

Listed in Category Order. Click on an Asset Name for more details.

Asset Catalog for All Categories (756 Items)

Asset	Description	Condition Location
Agitators		2 Items
<u>Gearbox + Motor 10HP</u> Asset ID: A-1400 United Equipment Technologies	Gearbox and motor - inline. Was originally used for top entering agitator, United Equipment Technologies Model Xcel-22, S/N C1641-7B. Falk right angle gear box. Includes Motor 10HP, 1800 rpm. [Photos of shaft and blades are included for info only to indicate prior service - not available. Shaft diameter : 2.75". Came from 28 ft dia tank x 39 ft tall] Idled since 2012.	Used - Good Grant City, MO
<u>Gearbox + Motor 15HP</u> Asset ID: A-1306 United Equipment Technologies	Right angle gearbox and motor, for top entering tank agitator. Model XCEL 500. Motor is 15 HP, 1800 rpm. United Equipment Technologies Corp. Includes Falk Right angle gear box. Output 47 rpm. This is gearbox and motor only - used. [Photos of shaft and blades are included for info only to indicate prior service - not available. Shaft diameter : 3.5". Came from 26 ft dia tank x 39.5ft tall] Idled since 2012.	Used - Good Grant City, MO
Blower		13 Items
<u>Blower Combustion Fan 150HP</u> Asset ID: FN-5201 Twin City	Combustion fan for ring dryer by Twin City Fan & Blower. Type HIB, Arr 1. Width SW, size 360, rotation CCW. Rated at 26,211 cfm at 21.3 sp. Sn 07-234050-2-1. Driven by 150 HP motor 1800 rpm 460/3/60. Size approx 114" x 64" x 102". Used as combustriion fan FANC-11 for ring dryer. Still installed on RTO.	Used - Good Vicksburg, MS
<u>Blower Exhaust Fan 150HP</u> Asset ID: FN-5203 Twin City	Twin City blower with 150HP motor. Designed for 22,975 cfm at 32.3" WC static pressure. Model HIB-SW, size 400, sn 07-234050-1-1. Driven by 150HP motor 1800 rpm 460/3/60. Overall size 60" diameter x 61" wide x 75" high. Used as ring dryer components fluid bed cooler (dryer) exhaust FANC-31.	Used - Good Vicksburg, MS
<u>Blower Fan 1000HP</u> Asset ID: B2106 Buffalo	Buffalo blower with 1000 HP motor. Blower Fan Type L, size 1200, tag L-25 serial num 88302107. Motor is Siemens induction motor 1000 HP 2300 volts 3/60. RPM 1780, frame 588US.	Unrated Peoria, IL
<u>Blower Fan 10HP</u> Asset ID: BL-2304 New York Blower	NY Blower Direct drive blower driven by 10HP motor 10/460/3600/215T. Model 2303 steel, pressure blower. Designed for 200 cfm at 52.2 sp. Last inspected 9/2018. Used for CO2 flash tank blower.	Used - Good Vicksburg, MS
<u>Blower Fan 15HP</u> Asset ID: BL-3202 Kice	Belt driven blower, Kice model FC15 9FB sn 266261-1. Driven by 15/460/1800/254T (HP/voltage/rpm/frame). Flow approx 4000 cfm at 5" wc SP. Physical size approx 56" long x 51" wide x 40" tall. Part of Process Scrubber Package PK-3201. For a list of all components, enter pk3201 in search box on web site.	Used - Good Vicksburg, MS
<u>Blower Fan 50HP</u> Asset ID: AF93 Cardwell	Cardwell Industrial Exhauster blower, Size 350, Model IE857, serial 865-017-1. Approx size 60" front-to-back x 63" side-to-side x 65" tall. Blower 52" dia. Driven by Siemens motor 50 HP at 3545 rpm 460/3/60.	Used - Very Good Illinois

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<p>Blower Fan 60HP + ss stack Asset ID: cp102 Kice</p>	<p>Kice blower fan, Model FA33 ARR 9F, with inlet duct/transition. Fan is carbon steel with 36 inch inlet/outlet and 33 inch wheel. Airfoil fan wheel. Includes outlet duct/stack carbon steel duct 29" dia x 40 ft tall. Includes baseplate 60HP motor. Serial numbers 250431-4 & 250431-11. The fan has not been reconditioned but the motor is reconditioned. Depending on motor rpm, HP, and sp - cfm can be between 11,267 cfm and 25,039 cfm. See chart in links. This blower was sized for a baghouse silo (asset cp101) - both can be purchased together. Price here is for Blower/motor/stack only. Removed and ready to load</p>	<p>Used - Very Good Marissa, IL</p>
<p>Blower Kice 7.5HP Asset ID: B2075 Kice</p>	<p>Kice Blower, Model FC9, clockwise Arrgt 9FB. SN: 145410. Physical size is 38" x 34" x 27" tall. Inlet diameter 9" OD, wheel diameter 15 5/8", wheel circumference 4.09', fan outlet area 0.5205 sq ft inside. Flow depends on static pressure - range with this 7.5 HP motor on it is from 600 cfm at 3" SP to 1800 cfm at 16" SP. Driven by 7.5 HP Reliance Electric Motor 480/3/60. See links for dimensions and performance charts. Aprox size for shipping 39" x 40" x 27" high. Removed, ready to ship</p>	<p>Used - Good Peoria, IL</p>
<p>Blower Main Fan 1200HP Asset ID: FN-5202 Robinson</p>	<p>Robinson Fan type 97" x 11-1/4" B11120, Arr 3. Designed for 189,339 scfm at 30" sp. Material ss316 sn DA-98B11120-118. Driven by 1200 HP motor Mfg TECO Type AEJH-TK, frame 1185 rpm. Weight 29,571 pounds w/o motor. Motor weight 15,848 pounds. Physical size (w/o motor)" 149" wide x 119" deep x 186" tall. Used as Main ring dryer fan FANC/12.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Blower PD Fan (Roots Type) 25HP Asset ID: AF9 Sutorbilt</p>	<p>Positive displacement blower (Roots Type)</p> <ul style="list-style-type: none"> Gardner Denver Sutorbilt Legend Series vacuum pump Model GAFMCRD, serial S378101. Catalog No. 5MR. Gear dia 6" Inlet/Outlet size 4" Capacity 292 cfm at 7 psig to 263 cfm at 11 psig. Driven by 25HP motor at 1770 rpm. 460/3/60. In sound attenuating enclosure. Enclosure dimensions 45" x 45" x 48" tall. See brochure in links. 	<p>Used - Very Good Illinois</p>
<p>Turbo Fan Blower 1800HP Asset ID: B-1010 Howden Roots</p>	<p>Howden High Heat Blower - Never Used</p> <p>Howden High Heat Blower ExVel Turbo Fan. Model HBXrG-20/675. Serial # NFF00019-10. Includes Siemens 1500 Series PLC, Bentley Nevada 3500 Series monitor system. This is NEW, old stock. Never used, still in protected crates.</p> <ul style="list-style-type: none"> Design Pressure 272.4 psi and Temperature 446F Inlet Volume 6738.99 ACFM Main skid plus (1) nitrogen skid and (2) lube unit skids for fan and gear <p>Driven by Toshiba 1800HP induction motor</p> <ul style="list-style-type: none"> Toshiba World Energy Series 3 phase induction motor, Serial # 140702955 Model # 3VJM400L62971 1800 HP 3540 rpm 4160v 60 Hz 3 phase <p>ExVel™ turbo fans have unique, industry leading impeller and bearing technologies delivering the highest differential pressures available in the fan industry. They can replace more costly centrifugal compressors or multiple blowers with a single unit. This Howden Blower was to be part of the gasification system to move the hot syngas exiting the pyrolysis vessel in a biomass conversion system. It was never installed or used.</p> <p>Condition - Still in crates. The crates are sealed against weather, protected, and in long term storage inside a third party protected warehouse. No known refurbishment required - assets are sold As Is Where Is.</p>	<p>New, Old Stock Sparks, NV</p>

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Tuthill Blowers 20HP (3) Asset ID: 2032 Tuthill	Tuthill blowers (3) with (6) FlowTek automatic valve manifold with Bray actuators, FlowTek AutoMater. Used. System has now been removed, cleaned, and ready for sale. Blower driven by 20 HP motor 230/460v 3/60 1775 rpm.. Priced for the LOT - 3 blowers and the valve manifold	Used - Very Good Illinois
Upblast Fan Asset ID: 2457 Cook	Upblast Blower fan still in crate - New, Old Stock Generally Upblast fan, low silhouette with steel propeller. Mfg Loren Cook Co. Model 30 LXUL. Design 12,000 cfm at 0.125" sp. Fan rpm 870, Belt drive with 2 HP motor 3/60 460v 1725 rpm open drip proof. Motor in airstream.	New, Old Stock South Dakota

Boiler/Auxiliaries		2 Items
Stack ss 65 ft Asset ID: ME-5201 GEA Barr Rosin	Stainless steel stack, ss 304L. Size 56" OD x 65 ft tall insulated duct. Dryer exhaust design 175,000 acfm (bleed off to RTO 63,000 acfm) Material ss 304L. Used as exhaust/dumpstack for Dryer systemr.	Used - Good Vicksburg, MS
Water Softener Asset ID: Z-7302 Evoqua	Water softener system for boiler feedwater, mfg by Evoqua, model PTCSDT36 X 72. Resin bed for softening (3) 48" OD x 72" tall fiberglass vessels 463 gallons each rated at 150 psi at 150 F. Also (3) 39" OD x 48" tall polyethylene vessels. All piping and manifolds. Part of boiler feedwater system PK-1111	Used - Very Good Vicksburg, MS

Boiler/Biomass		1 Items
Biomass Boiler 1500HP + 1MW GenSet Asset ID: 7258 Hurst	<p>BIOMASS BOILER. 1500 BHP 450 psig</p> <ul style="list-style-type: none"> Hurst Biomass Boiler, 450 psig saturated. Model # HYB 9570-450-1, Capacity 1500HP (51,750 #/hr steam). Heating surface 9750 sq ft. This is a HYBRID biomass boiler (part firetube & part watertube) designed so well by Hurst Boiler with reciprocating grate Steam turbine GenSet 1MW - inlet superheated steam 450 psig System only used for about 6 years, then idled. Built 2009 Fuel was shredded carpet. Natural gas burner used for startup combustion only, then shut off for operation <p>Complete Steam Plant with a non-condensing type Steam Turbine Generator 1.0 MW (rated at 750 KW) , with Deaerator tank, high pressure boiler feed water pumps, wet ash removal system, controls, fuel feeding conveyors, all fans and standard boiler trim. Also includes an Air Technologies CEMS (continuous emissions monitoring system) and a Fabricated Steel Silo with auger discharge for fuel storage and conveyance.</p> <p>Manufacturer Lists the following Features: "Hybrid" Firetube/Watertube Vessel Design; Watertube Section; Firetube Section with Blast Tubes; Reciprocating Fire Grates; Under Fire Air Fan; Reciprocating Drive; Over Fire Fan/Dampers; Carry-Over Reinjection Blower; 1500HP Fire Door; Ash Clean Out Door; Fuel Metering Bin; Ash Removal Conveyor; Refractory Arch. Includes operating manuals and some drawings.</p> <p>See FLYER in link for more details and a component list. Last used for burning used shredded carpet. The blast tubes prevent fouling from ash on the first pass through fire tubes. We have shipping specs, weights, dimensions on file.</p>	Used - Very Good Southeast USA

Boiler/Burners & Gas Train		1 Items
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<p>Burner & Gas Train Lo-NOx 100 MMBTU Asset ID: VK-2024 Nat-Com</p>	<p>National Combustion Equipment (Nat-Com) Lo-NOx burner. Natural gas, sn 10815. Operating energy 83 MMBTU output. (Max is approx 100 MMBTU). Burner model P-96-G-23-1118, gas heater model GH-90-120-128-226, Includes gas train and fire management system. See links for burner drawing and gas train skid drawing. Gas train skid size 135" long x 31" deep x 86" tall (includes all valves and control panel) Used as Ring Dryer Burner.</p>	<p>Used - Good Vicksburg, MS</p>
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Boiler/Deaerator 1 Items

<p>Feed Water System for 150 HP Boiler Asset ID: 8801 Atomspheric</p>	<p>DEAERATOR & FEED WATER SYSTEM</p> <p>One (1) reconditioned Atmospheric Boiler Feed Water System, complete with a 130/200 gallon carbon steel vented tank, new duplex Grundfos pumps, each sized for the full evaporation rate of a 150 HP boiler for 100% redundancy. System comes, complete with structural steel stand, steam sparge tube and temperature control to preheat and deaerate the makeup water, and water level controls. Cleaned and painted to match the boiler. Feedwater system can ship in 4 to 6 weeks ARO</p>	<p>Reconditioned South Carolina</p>
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Boiler/Electric Boiler 1 Items

<p>Boiler Electric Steam 80 KW Asset ID: 2358 Precision</p>	<p>Electric Steam Boiler - Low Pressure</p> <p>Precision Boiler Model ST20S -080D-480-15 Boiler, serial 23158.</p> <ul style="list-style-type: none"> Rated at 80 KW input at "full fire". Input 480v 3/60. Rating 273,000 BTU/hr (8.16 boiler HP), Max Working Pressure 15 psi (250F). Comes with Condensate and Chemical Skid, All completely piped - see drawing Low Hours - only ran a year. Built Apr 2022, Commissioned July 2022, Decommissioned July 2023 	<p>Used - Excellent California</p>
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Boiler/Firetube 8 Items

Listed in Category Order. Click on an Asset Name for more details.

<p>Boiler Package 250 HP Asset ID: 2091 Clever Brooks</p>	<p>RECONDITIONED Boiler Package - Firetube 250 HP - Deaerator - Blowdown Separator</p> <p>Reconditioned boiler package with warranty. Allow 10-12 weeks ARO. Photos shown here are representative only (showing a gas fired one here) and depict what this one will look like when reconditioned. See quotation details in Links</p> <p>Clever Brooks Boiler Firetube 250 HP</p> <ul style="list-style-type: none"> • 4 pass dry back design, • 150 PSI design pressure • No. 2 fuel oil fired with a propane pilot. • New Fireeye Burner Logix or Honeywell 7800L Flame Safeguard controls will be installed. • New control and electrical panels will be installed. • The boiler will be wired for 480/3/60 VAC or for the required site voltage. • New relief valves <p>Deaerator and Feedwater Pumps</p> <ul style="list-style-type: none"> • Complete with a pressure vessel built to ASME Code Standards stamped with a National Board Number, • Two new Grundfos pumps each sized to serve the full evaporation rate of a 250 HP boiler, • Control panel with pump selector switch, • Steam inlet piping, steam pressure reducing valve, makeup water control valve, relief valves, and pump inlet piping. • Blowdown Separator 	<p>Reconditioned</p> <p>North & South Carolina</p>
<p>Firetube Boiler 150 HP Asset ID: 7209 Clever Brooks</p>	<p>Clever Brooks Packaged Firetube Boiler 150 HP</p> <p>Clever Brooks Firetube boiler, model CB 700-150. Natural gas fired- maximum pressure of 150 psi. Input of 6,277,000 BTU / HR. 5HP blower motor 460v 3/60 and Control circuit is 120v 1/60. Boiler is in good condition and was taken out of service in September 2024. Internal inspection was completed in May 2024 and it has been hydro tested with no tube leaks. Prices includes loading onto your truck.</p>	<p>Used - Good</p> <p>Midwest US</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Firetube Boiler 150HP Asset ID: 8800 Superior</p>	<p>Reconditioned 150 HP Firetube Boiler Superior Boiler 150 HP natural gas fired 150 psig</p> <ul style="list-style-type: none"> Boiler has been completely re-tubed. The boiler has been cleaned on the fireside, waterside, and outside. New fireside and waterside gaskets have been installed. The boiler pressure vessel, tubes, pressure piping, and blowdown piping and valves have been hydrostatically tested. New relief valves will be installed or shipped loose for field installation. No steam outlet valves are included. The existing Honeywell 7800L Flame Safeguard controls have been tested and proven good. New High Limit with manual reset, Operating Limit, and Modulating Limit steam pressure controls have been tested and proven good. The boiler has been wired for 460/3/60 main supply voltage. Water level controls to turn the boiler feed water pumps "ON and OFF" to maintain water level control have been installed. <p>WARRANTY Offered through our boiler reconditioner: The boiler has been electrically and mechanically checked throughout. Any components found to be defective or obsolete have been replaced. We guarantee that the pressure vessel is in good condition and the tubes are new, and that the boiler will pass a hydrostatic test at the time of startup. We will give a 1 year parts replacement warranty on the controls. No labor to change the part is included.</p> <p>OPTIONS Deaerator and feedwater system sized for a 150 HP boiler available - See Asset 8801 Blowdown Separator vessel deigned for the bottom blowdown rate of a 150 HP boiler is available - see asset 8802</p>	<p>Reconditioned</p> <p>South Carolina</p>
<p>Firetube Boiler 200HP Asset ID: 8096 Johnston</p>	<p>One (1) 1998 200 HP Johnston boiler, 4 pass wet back, gas and No. 2 oil fired, 250 PSI design pressure. The boiler will be cleaned on the fireside, waterside, outside, and painted. The boiler pressure vessel, tubes, piping, and blowdown valves will be hydrostatically tested. The existing Honeywell 7800L Flame Safeguard Controls will be checked and replaced if found defective. New Honeywell High Limit with manual reset, Operating Limit, and Modulating Limit Controls will be installed. The boiler will be electrically and mechanically checked throughout to identify and replace any defective components. The combustion air fan will be run to check for balance and bearing smoothness. We guarantee that the pressure vessel and tubes are in good condition and that the boiler will pass a hydrostatic test at the time of startup. We will give a 1 year parts replacement warranty on controls. These photos are representative - boiler is yet to be reconditioned - allow 6 to 8 weeks after order. This quote is for the boiler only as reconditioned. No support equipment is included. Note that this boiler is a little shorter and wider than standard Johnston dimensions so will not be a direct drop in if replacing with like kind.....</p>	<p>Reconditioned</p> <p>Southeast</p>
<p>Firetube Boiler 2200 HP Lo Nox Asset ID: Z-7201B Superior</p>	<p>Firetube Boiler, Superior Boiler and Economizer 2200HP (73,645 MBTU) steam OUT, Lo NOx natural gas fired 150 psig. Superior Apache 2-Pass Dryback Scotch Marine Package Boiler Model 8-X-11000-S150-GPCF-G. Natural gas firing rate IN 92,400 cfm of 1000 BTU/cf. ASME Nat'l Bd# 16199. Cleaver Brooks burner model LNXLG-924. Lo NOx < 30 ppm and 0.0364 lbs. per MMBTU. Includes controls and firing monitoring, gas train, forced draft blower, Kunkle safety valves 6x8" and 4x6" both set at 100 psig. Boiler dimensions are approx 151" w x 302" L x 153" tall. Approx floor space needed: 43.6 ft L x 19.3 ft W x 13.2 ft T (not including safety valves and economizer and stack). Cain economizer model RJR-166K26ALS. Stainless steel. Stack is Van-Packer Model DW 36" ID x 20'-9" long, ss304 insulated. See drawing and manual for verification. Weight empty approx 121,000 pounds. Idled 2018. This boiler has been mothballed properly, and is in supervised dry storage with "VpCI" (vapor phase corrosion inhibitor). It was just checked again by the third party in early 2020 and late 2021. Still installed.</p>	<p>Used - Very Good</p> <p>Vicksburg, MS</p>

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<p>Firetube Boiler 250HP Asset ID: 2456 Superior Boiler Works</p>	<p>Superior 250HP Firetube Boiler Superior Seminole 3-pass wetback firetube boiler. ASME Nat'l board # 15325. Natural gas fired, steam generator. Working pressure 150 psig, design pressure 180psi. Safety valve set pressure at 150psi, with a minimum valve capacity of 10,136 lbs. / hr. Heating surface is 1,287 sq ft. Includes a Cleaver Brooks Spraymaster Deaerator and feedwater pumps on skid. Boiler idled in late 2023 - last inspected on 10/31/2023. See drawings and brochure in links. Boiler similar.</p>	<p>Unrated North Carolina</p>
<p>Firetube Boiler 300HP Asset ID: 7124 Garioni</p>	<p>Garioni firetube boiler 300HP. Type NG5000, serial 7118. Mfg by Garioni, Brescia, Italy. Capacity 5000 kg/hr (11,000 pph steam or about 300 HP at 12 barg max (180 psig). Firetube 2-pass dry back type boiler. Built in 2002 but only used about 6 months. Electrical for controls is 110V 60 Hz. Burner fires on #2 fuel oil - pumps not included. Will need new control panel. Sold As Is - price includes loading on your truck.</p>	<p>Used - Fair Ft Worth, TX</p>
<p>Firetube Boiler Package 150 HP Asset ID: PK-8803 Superior</p>	<p>Reconditioned 150 HP Firetube Boiler Superior Boiler 150 HP natural gas fired 150 psig</p> <ul style="list-style-type: none"> Boiler has been completely re-tubed. The boiler has been cleaned on the fireside, waterside, and outside. New fireside and waterside gaskets have been installed. The boiler pressure vessel, tubes, pressure piping, and blowdown piping and valves have been hydrostatically tested. New relief valves will be installed or shipped loose for field installation. No steam outlet valves are included. The existing Honeywell 7800L Flame Safeguard controls have been tested and proven good. New High Limit with manual reset, Operating Limit, and Modulating Limit steam pressure controls have been tested and proven good. The boiler has been wired for 460/3/60 main supply voltage. Water level controls to turn the boiler feed water pumps "ON and OFF" to maintain water level control have been installed. <p>FEED WATER SYSTEM One (1) reconditioned Atmospheric Boiler Feed Water System, complete with a 130/200 gallon carbon steel vented tank, new duplex Grundfos pumps, each sized for the full evaporation rate of a 150 HP boiler for 100% redundancy. System comes, complete with structural steel stand, steam sparge tube and temperature control to preheat and deaerate the makeup water, and water level controls. Cleaned and painted to match the boiler. Feedwater system can ship in 4 to 6 weeks ARO</p> <p>BLOWDOWN SEPARATOR One (1) reconditioned Blowdown Separator designed for the bottom blowdown rate of the 150 HP boilers, built to ASME Code Standards with a National Board stamp. It will be inspected, cleaned, and painted to match the boiler. The blowdown separator will be mounted on support legs.</p>	<p>Reconditioned South Carolina</p>

Boiler/High Pressure

1 Items

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<p>High Pressure Boiler Asset ID: 2096 GTS Energy</p>	<p>High Pressure Steam Generator - to 1,380 psig NEW</p> <p>High Pressure Steam Boiler. New- never used. 7200 MBTU/hr. Built in 2015, engineered by GTS Energy. Serial # G-8410. ASME Nat'l Bd # 368 , MAWP 1380 psig at 600F, normal operating pressure is 1250 psig. Honeywell flame management control. Dual fuel Lo NOx burner fired with natural gas or oil. Industrial Combustion LNVLG-100 Lo NOx <30 ppm. Operating steam flow 12,124 lbs.hr at 1160 psig closed loop, 6 inch connections. NUK generator- top down firing. All automatic, closed loop system- requires no operator.</p> <p>Explanation of Operation - The NUK® High-Pressure Steam Generator was specifically developed for oil deodorization applications typically used in the food industry. The NUK is used as a heat source during the deodorization process to safely remove undesirable flavors and odors from edible oils; leaving the oil free from toxins. The NUK High-Pressure Steam Generator is a hermetically closed-looped heating system utilizing a water-steam mixture with maximum design pressures of 1950 psi. The system consists primarily of a vertical cylindrical combustion chamber, coil, burner, steam supply, and condensate return manifolds</p> <p>See links for General Arrangement and P&ID's.</p>	<p>New, Old Stock</p> <p>Tennessee</p>
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Boiler/Hot Water		1 Items
<p>Hot Water Boiler 5 MMBTU Asset ID: M33 Sellers</p>	<p>Hot water boiler Sellers 5 MMBTU (150HP). Model S-150-W Model 15 Senior. Fired by natural gas - automatic. LoNox burner 30 ppm, turn down ratio 3:1. Input 6.27 MMBTU, Output 5,021,000 BTU/hr, 150 psi max pressure . Water capacity 411 gallons. S/N 103390, ASME Nat'l Bd# 10610. Includes Recirculation motor 7.5 HP. Includes 3 expansion tanks. Physical dimensions L x W x H 166" x 53" x 73".</p>	<p>Used - Very Good</p> <p>Van Wert, OH</p>

Boiler/HRSG & Gasifiers		3 Items
<p>Gas Fired Steam Generator (HRSG) Asset ID: 7644 Rentech</p>	<p>Rentech Duct Fired HRSG System (Heat Recovery Steam Generator)</p> <p>This is a brand new HRSG - never used. Model Waterfall Type "O"</p> <ul style="list-style-type: none"> Rated at 200,000 pph at 400 psig saturated steam with economizer (can also run at 200 psig) Designed for feedwater flow 400 gpm at 439 psig and 228F <p>INCLUDES (also see pdf list in link)</p> <ul style="list-style-type: none"> Natural gas duct burner system and fuel skid with gas train and flame supervision, rated at 136 MMBTU/h Steam Generator System (HRSG) Evaporator. "O" type tube arrangement with steam drum and mud drum, 2" tubes Bypass stack 50 ft x 76" diameter Exhaust stack 50 ft x 76" diameter Economizer - finned tube single pass Boiler Control System: BMS - plc controlled burner management system, CCS - combustion control system, HMI touch screen, Allen Bradley plc and HMI Interconnecting duct work Ladders & Gratings <p>Rentech had pre-fit all structural steel in the shop. Once they were assembled, photos were taken, and pieces were disassembled for shipment.</p> <p>Rentech will provide 3-D modeling of the complete boiler system including auxiliaries to assist in the system layout and to avoid costly interference and fit-up issues in the field.</p> <p>System has been completed and is now stored in protected warehouse.(never has been used)</p>	<p>NEW</p> <p>Texas</p>

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<p>HRSG Rentech Asset ID: 2146 Rentech</p>	<p>Rentech Heat Recovery Steam Generator (HRSG) Low Hours ASME MAWP: 200 psig at 500 F, Tubes 700 F Maximum Steaming Capacity: 31,500 lb/hr, Heating Surface: 24,471 sq. ft. Mfg. Serial No. 2015-43 Very Good Conditon. Only ran for 12-18 Months before being idled. Bought new in 2016. Ran for 12 Months then shut down when owner couldn't pay loan. New company purchased and ran in 2018 for 6 months.</p>	<p>Used - Very Good Texas</p>
<p>Waste to Energy Gasifier Steam Generator Asset ID: 1964 Primenergy LLC (PRME) & Siemens</p>	<p>Waste to Energy Gasifier & Steam Generator Steam Generator 50,000 lbs/hr at 150 psig. System disposes of wood flour and carpet waste (the fuel) by a staged combustion process in a Gasifier resulting in hot clean waste gases through a Rentech HRSG (heat recovery steam generator) to generate steam. Natural gas is used at startup to obtain combustion of the fuel, then shut off during the process. Feed is 3 tons/hr of blended waste (or 5 tons per hour of wood flour) generating 50,000 lbs/hr steam at 150 psig, and approx. 745 lbs per hour of ash. Includes ash recovery and silo, gasifier, combustion tube column, HRSG (heat recovery steam generator), baghouse dust collector for fly ash and stack. Siemens was the systems integrator and engineered the plant; PRIMENERGY (PRME) was the general contractor and manufacturer of the KC-17 Gasifier. See all links including PFD for all components. See documents for equipment list</p>	<p>Unrated Georgia</p>

Boiler/Watertube		2 Items
<p>Watertube Boiler 250,000 #/hr Asset ID: 2349 Cleaver Brooks</p>	<p>Cleaver Brooks Industrial Watertube Boiler 250,000 lbs/hr superheated steam</p> <ul style="list-style-type: none"> Boiler model NB-801D-125-550-AL-LH, serial CP-4582 NEW, never installed D-type watertube style Pressure 420 psig operating pressure (superheated, temp 650F +/- 25). Superheated steam Natcom LoNOX Burner, natural gas. Gas train included. Burner model NCB-330-68A-000-S10-000 Stack included - 3 sections Economizer, ECO, Inc. vertical 7.5 ft dia x 20 ft tall Controls - 2 plc's + burner management + combustion controls Includes SCR for emissions reduction Under nitrogen purge with desiccant in furnace area <p>Removed and stored - ready to load. See additional information in document links</p>	<p>New, Old Stock Illinois</p>

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<p>Watertube Boiler 90,000 lbs/hr Asset ID: 2116 Victory</p>	<p>Watertube Boiler with Economizer 90,000 #/hr Natural Gas</p> <p>Victory Natural Gas Watertube Boiler Type O, Voyager Series VS-5-78SP SH. Capacity 90,000 lbs./hr saturated steam at 800 psig (design pressure 950 psig) ASME Nat'l Bd # 589.</p> <ul style="list-style-type: none"> • Economizer • Feedwater System • Stack 50 feet • Electrical and PLC control systems. <p>With feedwater temperature 227 Fahrenheit to economizer inlet. Complete economizer system. Furnace Radiant Heating Surface 889 Sq. Ft, Boiler Convective Heating Surface 6,455 Sq. Ft., Total Heating Surface 7,344 Sq. Ft. Superheater surface is 980 sq. ft. Drums Submerged arc automatic welded and stress relieved with radiographed welded seams and tubes are rolled and expanded into the drum.</p> <p>Drum material is SA-516 Gr. 70. Mud Drum is provided with a 12" x 16" hinged manway access in each drum head. Steam Drum is provided with a 12" x 16" hinged manway access in each drum head. All tubes enter the drum radially with full parallel bearing through the drum plate and all tubes are full diameter with no swaging.</p> <p>All tubes are full diameter tubes with no swaging.</p>	<p>Used - Very Good</p> <p>Washington</p>
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Centrifuge and Decanter/Centrifuge		12 Items
<p>Centrifuge B214 A Asset ID: 5575 Alfa Laval</p>	<p>Alfa Laval B214A centrifuge. The complete unit will be reconditioned, balanced, new seals/bearings, painted. Photo shows machine prior to reconditioning - allow 4 to 6 weeks delivery. Reconditioning includes, complete disassembly of machine, sandblast and paint all carbon steel parts, remove gear pump, install end plate, Rebuild using all new parts, Bearings, seals, and O-rings (Viton), All Vibration Isolators units will be tested and come with manuals, some tools and one set of gravity discs. High speed balance will also be performed. 40 HP motor will be rebuilt or new depending upon timing. Welcome to inspect the machine as tests are run to verify balance. Centrifuge can also be purchased " as is, where is " if desired.</p>	<p>Reconditioned</p> <p>Houston, TX</p>
<p>Centrifuge B214 C Asset ID: 7117 DeLaval</p>	<p>DeLaval B214C solid bowl disc centrifuge. Serial number 3532804. Capacity approximately 36,000 to 40,000 #/hr (84 gpm). Motor is 40HP. Cleaned and painted, epoxy internal coating but not reconditioned. Bowl removed and crated for shipping.</p>	<p>Used - Very Good</p> <p>Texas</p>
<p>Centrifuge MAB 206 Asset ID: 1756 Alfa Laval</p>	<p>Alfa Laval centrifuge Model MAB 206-S-24-60-HZ. Serial No. 2965454 Throughput capacity approx 10.6 m3/h (46.6 gpm). Separation takes place in a solids-retaining bowl that can be arranged for either clarification or purification. Solids retained in bowl and removed by manually cleaning. Was in biodiesel service. Still installed. Voltage: 3-Phase 575v. There are (2) MAB centrifuges here (Asset 1756 and Asset 1757). If both are bought, we can ship on the skid they are mounted on. Price is for EACH MAB centrifuge which includes removal and loading on your truck. Controls not included. Local Start/Stop Control Only. We can provide controls at additional charge.</p>	<p>Used - Good</p> <p>Saskatchewan</p>
<p>Centrifuge MAB 206 Asset ID: 1757 Alfa Laval</p>	<p>Alfa Laval centrifuge Model MAB 206S-24-60/4049-8. Serial No. 4032493. Throughput capacity approx 10.6 m3/h. (46.6 gpm). Separation takes place in a solids-retaining bowl that can be arranged for either clarification or purification. Solids retained in bowl and removed by manually cleaning. Was in biodiesel service. Still installed. Voltage: 3-Phase 575. There are (2) MAB centrifuges here (Asset 1756 and Asset 1757). If both are bought, we can ship on the skid they are mounted on. Price is for EACH MAB centrifuge which includes removal and loading on your truck. Controls not included. Local Start/Stop Control Only. We can provide controls at additional charge.</p>	<p>Used - Good</p> <p>Saskatchewan</p>

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Listed in Category Order. Click on an Asset Name for more details.

<p>Centrifuge MAPX-210 Asset ID: X2100 Alfa Laval</p>	<p>Alfa Laval MAPX-210 purifier desludger disk centrifuge system. Max capacity 39 gpm and can separate solids with a density of up to 10,000 kg/m2. Bowl speed 5100 rpm. This is an efficient and reliable choice for separating solid impurities and water from fluids. Self Cleaning centrifuge. Serial 4019166. Skid mounted with controls and heat exchanger</p>	<p>Unrated</p>
<p>Centrifuge MOPX 207 Asset ID: AL-1 Alfa Laval</p>	<p>Alfa Laval MOPX 207 disk stack centrifuge. Model MOPX 207 SGT-24-60, serial number 2967145. Rebuilt, never used. Approx capacity 3 to 6 cu m/hr depending on oil viscosity (15 to 26 gpm). Includes controls, VFD for direct drive 10 HP motor, and necessary tools.</p>	<p>Mississippi Reconditioned</p>
<p>Centrifuge MOPX 207 Asset ID: AL-2 Alfa Laval</p>	<p>Alfa Laval MOPX 207 disk stack centrifuge. Model MOPX 207 TGT-14-60, serial number 2967197. Rebuilt, never used. Approx capacity 3 to 6 cu m/hr depending on oil viscosity (15 to 26 gpm). Includes controls, VFD for direct drive 10 HP motor, and necessary tools.</p>	<p>Texas Reconditioned</p>
<p>Centrifuge MOPX 207 Asset ID: AL-3 Alfa Laval</p>	<p>Alfa Laval MOPX 207 disk stack centrifuge. Model MOPX 207 SGT-24-60, serial number 4036230. Rebuilt, never used. Approx capacity 3 to 6 cu m/hr depending on oil viscosity (15 to 26 gpm). Includes controls, VFD for direct drive 10 HP motor, and necessary tools.</p>	<p>Texas Reconditioned</p>
<p>Centrifuge MOPX 207 bare Asset ID: AL-4 Alfa Laval</p>	<p>Alfa Laval MOPX 207 disk stack centrifuge. Model MOPX 207 SGT-24-60. Rebuilt - never used. Approx capacity 3 to 6 cu m/hr depending on oil viscosity (15 to 26 gpm). This is a bare machine still in crate to be used as spare. No controls, no tools, no motor. Photo shown is representative and is of identical centrifuge.</p>	<p>Texas Reconditioned</p>
<p>Centrifuge OSB-35 Asset ID: 1748 Westfalia</p>	<p>Remanufactured Westfalia model OSB 35-02-576 single pump on light phase, heavy phase by gravity oil purifier. No controls. Capacity nominal 23,000 liters/hr (100 gpm). This machine is completely rebuilt. This includes replacement of bearings, seals and remanufacture of any substandard parts. The exterior cosmetics are restored to the best possible condition. The machine will be assembled, balanced, and run for several hours prior to shipping.. Ready to ship - one - two weeks ARO</p> <ul style="list-style-type: none"> • Includes:20 HP, 480 Volt, 3 Phase, 60 Cycle Explosion Proof Motor • 6500 RPM Bowl Speed, 11,000 G Force • Paring Device on Light Phase • Gravity Discharge on Heavy Phase • Direct Drive • Powder Coated Frame • 20 Litre Bowl Volume • 11 Litre Sludge Space • 40 Degree Bowl with 0.5 MM Caulk Space • Stainless Bowl • SS Bowl Liner, with set of Erosion Clips • Water Harness • Special Set of Tools • Operation / Parts Manual • Warranty 6 months 	<p>Reconditioned Alberta</p>
<p>Centrifuge RSA-60 Asset ID: 1680 Westfalia</p>	<p>Westfalia RSA 60-01-076 vegetable oil separator.serial # 1697-254. Max bowl speed 6450 RPM, solids 1.25 kg/dm3, heavy solids 1.1 kg/dm3. Driven by 15 KW (20 HP) explosion proof motor 400v 3 phase 50 Hz. Rated @ 13000 LPH (approx 60 gpm), both liquid phases discharged under pressure, No tools or Controls. Was recently taken apart and thoroughly cleaned/inspected. Bowl has been rebuilt and installed.</p>	<p>Used - Very Good Europe</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Centrifuge VO 10 ss Asset ID: 1931 Alfa Laval</p>	<p>New Alfa Laval VO10 centrifuge</p> <p>NEW centrifuge still in original crate. Built in 2021 and never used. This Alfa Laval VO-10 disk centrifuge is aimed for gentle and cost-efficient refining of vegetable oils.</p> <ul style="list-style-type: none"> • Rated at hydraulic capacity 44 gpm for a nominal capacity of 100 MTPD (19 gpm). • Direct drive 18.5 KW (25 HP) motor with VFD. 480v 3/60 • All wetted parts in contact with product are stainless steel 304 • Controls included • Tools included • Still in original crates • We have the complete specifications in our Virtual Data Room - by invitation • Available for immediate shipment 	<p>NEW</p> <hr/> <p>Colorado</p>
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Centrifuge and Decanter/Decanter		8 Items
<p>Decanter Asset ID: 1998 Siebtechnik</p>	<p>Siebtechnik short bowl decanter (SBD) model SBD 400K, serial 6790. Speed 2800 rpm. Drive motor approx 20 HP. The SHORTBOWL decanter with cantilever design is the optimal solution for hot applications and high cleaning requirements. This over-hung design special geometry is highly suited for the separation of fine solid particles having a specific gravity that is very different from the liquid phase. The unit is ideal for pharmaceutical or food operations.</p>	<p>Unrated</p> <hr/> <p>Indiana</p>
<p>Decanter CB-505 Asset ID: 1716 Westfalia</p>	<p>Westfalia solid bowl horizontal decanter centrifuge. 2 phase, Model CB-505-71-32 sanitary. Used. Bowl 500/265 mm/19,685" diameter x 84" long. Centripetal pump discharge with GEA Varipond P design for adjusting pond depth on the fly. T316L stainless steel contact surface. Main drive 120 HP (90KW). Back drive 20HP. Max bowl speed 3500 rpm. Lube system with pump and plate exchanger, casing, and frame. No stand, no controls. Priced As Is - will need a stand. We can also recondition for you</p>	<p>Unrated</p> <hr/> <p>Texas</p>
<p>Decanter Centrifuge CA-458 Asset ID: 7638 Westfalia</p>	<p>Westfalia CA 458-00-02 decanter centrifuge, 316ss. Max bowl speed 3000 RPM, 2300 G's, 18 x 80" bowl ID. 6.25" single lead hardsurfaced conveyor, 30 KW motor 440/3/60/3535 RPM, hydraulic backdrive with 15 HP motor feed tube, chutes and control panel mounted on a stand. 1994 vintage.</p>	<p>Used - Very Good</p> <hr/> <p>Florida</p>
<p>Decanter Frames & Bases Asset ID: B2092 Alfa Laval</p>	<p>Frames and bases for Alfa Laval decanter PM75000. Three steel frames for decanter, (4) decanter bases (one with cover), Sold as a LOT.</p>	<p>Used - Fair</p> <hr/> <p>Peoria, IL</p>
<p>Decanter P-3400 3-Phase Asset ID: 6001 Sharples</p>	<p>3-phase decanter Sharples P3400 Super-D-Canter. Bowl dimensions 14" x 48", beach angle 10 degree. Max speed of 4000 RPM, Max G force 3160 x G Force. Quasi-axial flow conveyor design. 316 ss rotating assembly & case and cover. P-165, Mounted to a unitized sub-base with vibration isolators. Main drive motor: 40 H.P. TEFC, 1800 RPM, 480 voltage, 3-phase, 60 cycle power required, NEMA-12 enclosure, Reduced voltage starter comes with it. No back drive motor. Built in 1980 - decanter was rebuilt in 2001. P.125 Gearbox Ratio - Max Allowable Torque on Gearbox 1.72kgf m. Capacity from 13 gpm to 75 gpm depending on viscosity of feed and rpm of motor. Rated at 11 ton/hr at infeed of 10% solids (264 TPD max). Price incudes removal and loading - any crating or handling for international shipping will be extra.</p>	<p>Used - Very Good</p> <hr/> <p>Mexico</p>

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Listed in Category Order. Click on an Asset Name for more details.

<p>Decanter PM75000 Asset ID: 1762 Sharples</p>	<p>Sharples PM75000 Decanter - (2) Units available. RECONDITIONED - WARRANTY. Rated at 270 gpm. CENTRIFUGE 29 inch x 92 inch with Gear Units, (95 to 1). Material stainless steel ss316/ss317. Max bowl speed 2600 RPM, 2780 G's, 360 degree cake discharge, 10" single lead conveyor with STC tiles & STC feed zone, half-moon plate dams, fiberglass top cover, feed tube, P180 95:1 gearbox, Includes 175 HP motor 460/3/60/1785PM and new 60 HP AC backdrive. With stand, lube system, polymer feed tube, guards, vibration isolators, control panels, spare parts & tools. New controls with touch screen, vibration switch, and VFD's for 200 HP and 60 HP. Prior use: Waste water sewage treatment 1984 vintage. Allow 16-18 weeks ARO. There are (2) machines available - priced separately</p>	<p>Reconditioned Texas</p>
<p>Decanter, Gastight ss316 Asset ID: 2350 Siebtechnik Tema</p>	<p>Siebtechnik Tema SBD-210 gastight short bowl decanter, 316ss.</p> <ul style="list-style-type: none"> Gas tight decanter reconditioned by OEM in 2020 <p>Max bowl speed 5000 RPM, 2933 x G, rated @ 11 GPM, 0.45 bar, 5.5 KW XP motor 690/400/3/50, gearbox, 0.37 KW XP backdrive, feed tube, guard, chutes, nitrogen purge system, SS support frame, PLC control panel with 2 VFDs and all documentation. 2013 vintage.</p>	<p>Reconditioned Eastern Canada</p>
<p>Sharples P3400 Decanter Centrifuge Asset ID: 2055 Sharples</p>	<p>Sharples P3400 completely reconditioned decanter centrifuge 14 x 48 52,500.00 Carbon steel skid and guards. 4.25 conveyor with hardfacing 4000 rpm max Non Sanitary P3400 , 15 HP back drive, 40 HP Main Drive 3,100 g's max, 50 GPM Gearbox assembly 125 to 1 gear box ratio All new bearings, seals, mechanical seals, o rings Paint Carbon steel base, White, paint carbon steel sub base white, and stand New main motor coupling and belts and vibration switch Control panel - Decanter Centrifuge control panel with 40 HP Bowl and 15 HP Backdrive 460 VAC / 3 phase power / 60 Hz 120 VAC transformer with protective circuit breakers 24VDC Power Supply with protective circuit breakers NEMA 12 Freestanding enclosure with thermostat controlled cooling fan Flange mount 100 amp disconnect and ground lug 150HP VFD with protective fuses for the Bowl 15HP VFD with protective fuses for the feed pump Emergency Stop Pushbutton</p>	<p>Reconditioned Texas</p>
<p>Chiller</p>		<p>2 Items</p>
<p>Chiller 260 Ton Asset ID: 5598 McQuay</p>	<p>Water Chiller. Built by McQuay. Used, 260 ton nominal capacity. Model # PEH063-CBA C. Chiller has self-contained single compressor hermetic chiller, plus condenser and evaporator. The control panel has a Microtech micro-processor but controls are in poor shape - they will have to be replaced. Motor is approx 300HP 460v 3/60. This unit uses refrigerant 134A and has 22,190 hours logged with 2331 starts. All service records and manuals are available. Chiller was taken out of service 2010. Unit is removed and ready for loading. Price includes loading on your truck.</p>	<p>Used - Fair Ft Worth, TX</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Chiller, 100 Ton Asset ID: 2100 Thermal Care</p>	<p>Water Cooled 100 Ton Water Cooled Chiller</p> <ul style="list-style-type: none"> • 100 Ton water cooled chiller by Thermal Care. Model MXW100. Built in 2012. Has cooling capacity of 100 tons (352 kw) with a set point range of 20 to 75 Fahrenheit. MCA @ 460v / 3phase / 60Hz -209 amps. MOP @ 460v / 3phase / 60Hz-350 amps. • Rotary screw compressor with integral oil separator and filter. Direct drive at 166 FLA 460v 3/60 = approx 132 KW rated. Motor is probably 200 HP. • Chiller set points from -20F to 75F • Runs on R134a refrigerant. • Stainless steel brazed plate evaporator • PLC Control panel with high resolution 12" screen operator interface. NEMA-12 C-UL 508A listed and labeled control panel. Compact size with easy access to controls and components. Shipping weight is 4,315 lbs. 	<p>Used - Good</p> <hr/> <p>Illinois</p>
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Columns		14 Items
<p>BDU Biodiesel Unit Asset ID: X2058</p>	<p>Biodiesel Recovery Unit (BDU) for Biodiesel 5 MGY plant. Size estimated at 2 ft dia x 8 ft tall, insulated . No more information available, specs unknown</p>	<p>Unrated</p> <hr/> <p>Mississippi</p>
<p>Beer Distillation ss Column 8.5 ft Asset ID: TW-4101 Thermal Kinetics</p>	<p>Tray Distillation Column - Stainless 304L</p> <p>Thermal Kinetics Beer Column - 25 trays. Capacity 46 MMBTUH size 8'-6" dia x 66' s/s x 77'-2" OAH (including the 8 ft skirt) Design: Mfg by Alps Welding ser num 2089, ASME NB# 474,MAWP FV/25psig at 250F. Stainless Material ss304L with cs skirt. Installed 2009, tested, and plant never ran Idled in 2009. See links for data and drawings.</p>	<p>Used - Good</p> <hr/> <p>Canton, IL</p>
<p>Distillation Column 14" Asset ID: 8136 Paul Mueller Company</p>	<p>Glycerin Distillation Column. 14 inch Distillation Column built in 2006 by Paul Mueller Company. NEW S/N 357210-89. ASME NB# 43140 MAWP 50 psi @ 450F. Material: 304L stainless steel. 3 pieces - 313 inches overall height. NEW</p>	<p>New, Old Stock</p> <hr/> <p>Virginia</p>
<p>Distillation Column 24" Asset ID: 8137 Paul Mueller Company</p>	<p>Methanol Distillation column. NEW - Built 2006 by Paul Mueller Company. 24" Distillation Column. S/N 357209 97-99. 4 pieces - 544 inch overall height. ASME MAWP 40 psi @ 250F. Material: stainless steel 304L. NEW. Empty Weight: 6116 pounds</p>	<p>New, Old Stock</p> <hr/> <p>Virginia</p>
<p>Distillation Column, Beer Mash Asset ID: C-4101 SpecFab</p>	<p>Beer Distillation Column, stainless steel 27-tray. Size 72"ID X 108"ID X 69'-6" tall seam/seam, on 14'-3" skirt for approx OAH 86' 3". Mat'l ss304. ASME NB# 1453, MAWP shell 73 psig at 300F. Bolted trays with Sulzer LVG valves. Includes instrumentation attached to column, valves, ladders, grating on this column. Built 2007. See links for full tank drawings.and tray detail. Have box of spare trays in warehouse - tag 561</p>	<p>Used - Very Good</p> <hr/> <p>Vicksburg, MS</p>
<p>Distillation Column, Rectifier Asset ID: C-4201 SpecFab</p>	<p>Rectifier Distillation Column, stainless steel 304L. Has (20) trays. Size approx 10' dia x 42'-2" tall seam/seam, on 14' 2" skirt. OAH approx 59' 10". Insulated, shell & tray Mat'l ss304. Capacity 28,580 gallons, weight 90,181 pounds empty. ASME NB# 80, MAWP 96 psi and fv at 300F. Tray Design: Koch-Glitsch Flexitray Model VLB-1OFL, each tray with (50) AC-5-U valves. All trays were reworked in 2014 and trays 18-20 were replaced. All passed inspection. Includes instrumentation attached to column, valves, ladders & grating on this column. Built 2007. See links for complete tank drawings and tray detail.</p>	<p>Used - Very Good</p> <hr/> <p>Vicksburg, MS</p>

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Listed in Category Order. Click on an Asset Name for more details.

<p><u>Glycerin Coalescer Packed Tower 24" dia</u> Asset ID: X2018 Ducon Environmental Systems</p>	<p>Column coalescer. ASME MAWP 14.5/F.V. at 392F. Material ss 316L. Packed tower, Capacity 750 gallons. Size must be measured but approx 2 ft dia x 15 ft tall. Last used as glycerin coalescer</p>	Unrated
<p><u>Methanol Distillation Column</u> Asset ID: E-612X SRS</p>	<p>Methanol distillation system and structure for a 5 MGY biodiesel plant. Self Contained Skid and structure- Modular Distillation, by SRS. Structure is approx 12 ft x 12 ft x 40-45 ft tall. Specs unknown</p>	Unrated
<p><u>Methanol Recovery Unit (MRU)</u> Asset ID: X2048</p>	<p>Methanol recovery unit.for Biodiesel 5 MGY plant. Size estimated at 2 ft dia x 12 ft tall. No more information available. Specs unknown</p>	Unrated
<p><u>Molecular Sieve Column 1</u> Asset ID: TW-4301 Alps Welding</p>	<p>Vertical Packed column size 8' dia x 36' s/s. Capacity about 1800 cu ft (13,500 gallons). Has 8 ft cs skirt. Material carbon steel. Design: Mfg by Alps Welding ser num 2093, ASME NB# 469 MAWP FV/75psig at 450F. Molecular sieve still installed, packed with Grace 562Et 44#/ft3 and Norpro D-57 ceramic balls 86#/ft3. Two support rings for Johnson grid. See drawing in LINKS. Used as Thermal Kinetics Dehydration Column #1 capacity - Mole Sieve. Installed and tested in 2009. Plant never ran - idle since 2009</p>	Used - Good
<p><u>Molecular Sieve Column 2</u> Asset ID: TW-4302 Alps Welding.</p>	<p>Vertical Packed column size 8' dia x 36' s/s x 47' OAH (includes 8 ft skirt) . Capacity about 1800 cu ft (13,500 gallons). With 8 ft cs skirt. Material carbon steel Mfg by Alps Welding ser num 2094, ASME Nat'l Bd# 468 MAWP 75 psi at 450F. Molecular sieve still installed, packed with Grace 562Et 44#/ft3 and Norpro D-57 ceramic balls 86#/ft3. Two support rings for Johnson grid. See drawing in LINKS. Used as Thermal Kinetics Dehydration Column #2 capacity - Mole Sieve. Installed and tested in 2009 - plant never ran. Idle since 2009</p>	Used - Good
<p><u>Molecular Sieve Columns (2)</u> Asset ID: VS-4301 SpecFab</p>	<p>Molecular sieve beds, Size 138" ID x 14'-1" seam/seam tall. Mat'l cs SA-516-70. MAWP 50 psi and fv at 500F. Insulated 4". Includes all instrumentation, valves, piping, ladders & grating on this column. Sieve Media has been emptied. Vessels are now empty and ready to be removed. Built 2007. Weight approx 21,000 lbs. See links for full tank drawings. Qty (2) available - priced as a LOT.</p>	Used - Very Good
<p><u>Packed Column ss 36 in dia</u> Asset ID: C-4401 SpecFab</p>	<p>Vertical stainless steel packed column, size approx 36 "ID X 33'-7" seam/seam, sn 95. Vertical column, insulated 3". Packed bed is 186" depth, packing density 15 lb/ft3. Capacity 1844 gallons Material shell and piping SA-240-304ss, On 9 ft cs skirt for approx OAH 44 ft - 11 in. ASME NB# 77. MAWP 172 psig/FV at 250F. Vapor inlet/outlet 8"/18". Liquid inlet/outlet 6"/8". Has (2) 24" manways. Price includes instruments attached to this vessel plus ladders and platforms. Used for acid reduction. See link on web page for drawings, U-1 sheets. Still installed - removal extra.</p>	Used - Good
<p><u>Rectifier Distillation ss Column 6.5 ft</u> Asset ID: TW-4102 Thermal Kinetics</p>	<p>Tray Distillation Column - Stainless 304L Thermal Kinetics Rectifier Column 32 trays. Capacity 75 MMBTUH size 6'-6"Dia x 80' -6" s/s x 95'-6" OAH (including the 12 ft skirt). Stainless Column is ss 304L, skirt is cs. Design: 75psig/FV at 400F Built and tested in 2009, plant never ran. Idle since 2009.</p>	Used - Good

Columns/Scrubber

9 Items

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p><u>CO2 Scrubber</u> Asset ID: TW-3501 Ducon</p>	<p>CO2 packed tower Scrubber mfg by Ducon. Designed to remove ethanol from CO2 gas stream. For inlet 4915 ACFM @ 92 °F . Pressure atmospheric. Scrubber liquid water. Size 3'-6" dia x 25' Material FRP. Ashland Hetron 992. Includes mist eliminator, polypropylene. For more detailed data and a drawing of this vessel - see links. This unit is part of the scrubber Package. For a list of that package and all components, enter "PK3501" into the keyword search box.</p>	Used - Good
		Canton, IL
<p><u>Process Scrubber</u> Asset ID: TW-3502 Ducon</p>	<p>Process Scrubber mfg by Ducon. Designed for inlet gas volume 1001 ACFM @ 141 °F. Scrubber liquid water. Size 2' 6" dia x 24' Packing material Ashland Hetron 992, FRP, mist eliminator. For more detailed data and a drawing of this vessel - see links. This unit is part of the scrubber Package. For a list of that package and all components, enter "PK3501" into the keyword search box.</p>	Used - Good
		Canton, IL
<p><u>Scrubber</u> Asset ID: X2050</p>	<p>Scrubber. Specs unknown</p>	Unrated
		Mississippi
<p><u>Scrubber Exhaust Stack ss</u> Asset ID: ME-3503 Ducon</p>	<p>Ducon Scrubber Exhaust Stack capacity 5500 ACFM @ 70 deg F size 70' high Material 304 SS. Stack size 30" dia transitioning to 20" dia at 45' level x 70 ft tall. Part of Scrubber system package. For more detailed data and a drawing of this vessel - see links. This unit is part of the scrubber Package. For a list of that package and all components, enter "PK3501" into the keyword search box.</p>	Used - Good
		Canton, IL
<p><u>Scrubber System Package</u> Asset ID: PK-3501</p>	<p>Package: CO2 and Process Scrubber System and vent. Includes columns, pumps, blowers. Manufacturer's Performance guarantees: CO2 scrubber - will remove more than 99.9% of alcohols, greater than 30% of the acetaldehyde, and all the formaldehyde. For Process Scrubber, will remove more than 99.9% of alcohols and greater than 45% of the acetaldehyde. For combined scrubbers for the combined effluent, the exhausting VOC from the two will be less than 2.5 lb/hr. Each part of this package is listed separately as well. Enter keyword "PK3501" in search box for a list of all components.</p>	Used - Good
		Canton, IL
<p><u>Scrubber, Biogas</u> Asset ID: C-4570</p>	<p>Biogas scrubber, material carbon steel. Still installed - removal extra.</p>	Unrated
		Vicksburg, MS
<p><u>Scrubber, Packed Column CO2</u> Asset ID: C-3201 SpecFab</p>	<p>Vertical scrubber stainless steel packed column designed to scrub CO2. Size approx 60" ID X 31'-11" seam/seam on 4'-6" skirt, OAH 38' 5". Approx capacity 4700 gallons. ASME MAWP 87 psig at 200F. Material SA-240-304ss. Includes vertical ladder & platform. Water in top 3"/out bottom 4" countercurrent flow through packing. This price is for CO2 scrubber only. We can furnish structure ort whole package for additional. Gas CO2 in bottom side 24"/out top 24". See drawing in links. For complete package including blower, pump, structural, see asset PK-3201. For a list of components, enter pk3201 in search on web site.</p>	Used - Good
		Vicksburg, MS
<p><u>Scrubber, Packed Column Vent Gas</u> Asset ID: C-3202 SpecFab</p>	<p>Vertical scrubber stainless steel packed column designed to scrub Vent Gas. Size approx 48" ID X 31'-11" seam/seam on 4'-6" skirt, OAH 38' 8". Approx capacity 3000 gallons. ASME MAWP 87 psig at 200F. Material SA-240-304ss. Includes vertical ladder & platform. Water in top 2"/out bottom 2" countercurrent flow through packing. CO2 gas in bottom side 16"/Vent Gas out top 16". See drawing in links. For complete package including blower, pump, structural, see asset PK-3201 asset PK-3201. For a complete list of components, enter pk3201 in search box on web site.</p>	Used - Good
		Vicksburg, MS
<p><u>Wet Scrubber, Chemical</u> Asset ID: FB-51 Viron</p>	<p>Acid scrubber. Chemical scrubber, vertical, Sits on reservoir 34" x 60" rectangular with pump. Scrubber is 2 ft dia x 15 ft tall. Designed for vacuum. Mfg is Viron International, Model VCA-36-FRP-0.3-36 Carbon. Serial 13352. Designed for 300 cfm. Has EchoSpan level indicator transmitter and FRP mist eliminator pad at packing depth 28"</p>	Used - Good
		Illinois

Compressor/Air Compressor

8 Items

Listed in Category Order. Click on an Asset Name for more details.

<p>Air Compressor Asset ID: 1932 Atlas Copco</p>	<p>Atlas Copco rotary screw air compressor. GA180W-VSD-FF. S/N AIF.120067. Max Working Pressure: 13.55 bar (196 psig). Built in 2007. Flexible pressure selection with VSD reduces electricity costs. Elektronikon controls. Motor HP 220 HP, capacity approx 930 cfm. Noise suppressing cabinet to approx 78 dB(A). The GA FF (Full Feature) is a ready-to-use, compact package with an integrated refrigerant adsorption dryer that guarantees a pressure dewpoint of 3°C/37°F (100% relative humidity at 20°C/68°F). All the wires and pipes are assembled in the factory, so there is no need for additional installation work.</p> <ul style="list-style-type: none"> This compressor was in good operating condition when shut down and idled in 2019. It was replaced because it was no longer large enough to support the needs of the plant. A few panels are missing. See compressor specifications in Document Link. 	<p>Used - Good</p> <p>Indiana</p>
<p>Air Compressor Asset ID: 1951 Atlas Copco</p>	<p>Atlas Copco rotary screw air compressor 930 cfm</p> <ul style="list-style-type: none"> Model GA160W-FF. S/N AIF.120333. Single stage oil injected full featured compressor. This is a load/unload compressor, not a variable speed drive (VSD) The GA FF (Full Feature) is a ready-to-use, compact package with an integrated refrigerant adsorption dryer that guarantees a pressure dewpoint of 3°C/37°F (100% relative humidity at 20°C/68°F). All the wires and pipes are assembled in the factory, so there is no need for additional installation work. Max working pressure 8.85 bar (128 psig) Elektronikon controls. Motor HP 220 HP (160KW) Noise suppressing cabinet to approx 78 dB(A). <p>This compressor was in good operating condition when shut down and idled in 2019. It was replaced because it was no longer large enough to support the needs of the plant. A few panels are missing.</p>	<p>Used - Good</p> <p>Indiana</p>
<p>Air Compressor Asset ID: AC-7502 Atlas Copco</p>	<p>Atlas Copco rotary screw ZE4B. Oil free screw 800 cfm (will have to verify). Sn AIF.122373. MAWP 54 psig with 150 HP motor. Used as Yeast Prop air compressor</p>	<p>Used - Very Good</p> <p>Vicksburg, MS</p>
<p>Air Compressor w/dryer Asset ID: AC-7501A Atlas Copco</p>	<p>Air compressor Atlas Copco rotary screw GA75plus 410 cfm each at 150 psi. Includes regenerative desiccant air dryer for dry air to -40 pdp. Driven by 100 HP motor. Dryer is Atlas Copco Model CD185. 2008. Last used as plant air compressor.</p>	<p>Used - Very Good</p> <p>Vicksburg, MS</p>
<p>Air Compressor w/dryer Asset ID: AC-7501B Atlas Copco</p>	<p>Air compressor Atlas Copco rotary screw GA75plus 300 cfm each at 150 psi. Includes regenerative air dryer for dry air to -40 pdp. Driven by 100 HP motor. Dryer is Atlas Copco Model CD185. 2008 Last used as plant air compressor.</p>	<p>Used - Very Good</p> <p>Vicksburg, MS</p>
<p>Air Compressor 125HP Asset ID: B2101 Gardner Denver</p>	<p>Gardner Denver Electra Saver Stationary Base Mounted Screw Air Compressor. Model EAQQNC, Air delivery approx 574 cfm at 125 psi. ser. Num U32537. Skid mounted, air cooled, no enclosure. Hours unknown but slightly over 147,000 hours. Driven by 125HP Weg Motor. We have manuals</p>	<p>Used - Good</p> <p>Peoria, IL</p>
<p>Air Compressor, Recip 2HP Asset ID: 2066 Ingersoll Rand</p>	<p>Ingersoll Rand recip air compressor Model P1.5IU-A9, serial P20288T19051. Capacity 4.6 cfm at 135 psig. Voltage 115/1/60 2HP. With integral reservoir tank 20 gallons. Overall size 23" wide x 43" tall. Belt driven quiet operation 75 dBA. This is part of gryphon CBD dryer system belt tensioner and NOT SOLD Separately. Part of an entire CBD extraction system - enter PK6020 to see all components.</p>	<p>Unrated</p> <p>Northern US</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Air Compressor, Recip plus Dryer Asset ID: 2052 EMAX</p>	<p>Reciprocating air compressor and refrigerated dryer</p> <p>Emax air compressor, sits on top of its own 80 gallon air receiver. Driven by 7.5 HP motor, 220v 1 phase. Maximum 175 psi and 26 scfm. Includes refrigerated air dryer refrigerant is 134A. Refrigerated dryer is EMAX Model EDRCF1150030. pk6020</p>	<p>Used - Very Good</p> <p>Northern US</p>
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Compressor/Gas Compressor	2 Items
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<p>Vapor Compressor (MVR) Asset ID: 380-EQ-882 AC Compressor Corp</p>	<p>MVR Vapor Compressor by A C Compressor Corporation. Skid Mounted. Model # D20JR, Serial # 1634-11671. 22,543 ACFM Centrifugal Air Compressor. Single stage with buffered labyrinth type shaft seal. Features a cast iron housing with a stainless steel impeller and shaft. Inlet temperature 223 degrees F, Inlet pressure 15.6 MMH2O, Discharge pressure 19.52 MMH2O, Rated speed 628 RPM. Maximum continuous speed 6289 rpm, Maximum allowable discharge temperature 400 degrees F, Maximum allowable discharge pressure 15.7 psig. Driven by a Siemens, Type CG II 500 HP, 1775 RPM, 4000 volt motor. Motor rated for 60 amps @ 60 Hz. Compressor is coupled to motor through a Westech high speed gear unit with oil cooler, model # 10705. Drive couplings are by Rexnord and system features oil control and vibration analysis with a Bently Nevada 3300 system. Part of Evaporator package PK-6045 and might not be able to be sold separately - Ask Us. For a list of all components, enter "pkevap" in the keyword search terms box.</p>	<p>Used - Very Good</p> <p>Saskatchewan</p>
<p>Vapor Compressor (MVR) Asset ID: K-1651 AC Compressor Corp</p>	<p>MVR Gas Compressor built by AC Compressor Corporation</p> <ul style="list-style-type: none"> • Model D24JR. Skid Mounted • Single stage centrifugal compressor with Buffer/Educt labyrinth shaft seals, and remote oiler • Includes 2000 HP Reliance squirrel cage induction electric motor, 1800rpm, 4000v 249A 60Hz/3 phase • Includes motor starter • Lufkin gearbox model N1400C <p>Inlet volume: 49,375 ACFM. Serial number 1634-11461. Rated speed: 6012 RPM, temperature: 217F, pressure: 15 PSIA. Discharge pressure: 22.9 PSIA. Removed, ready to load on your truck.</p>	<p>Used - Good</p> <p>Grant City, MO</p>

Conveyor/Belt	3 Items
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<p>Belt Conveyor Asset ID: 2057</p>	<p>Belt conveyor, rubber cleated 23.625" wide. .Includes hopper infeed. Drive motor is 1/2 HP 230/460 3/60 1725 rpm with Nord gaer unit. Built 2019. Part of an entire CBD extraction system - enter PK6020 to see all components.</p>	<p>Used - Very Good</p> <p>Northern US</p>
<p>Belt Conveyor 12 ft Asset ID: AF8</p>	<p>Inclined belt conveyor (last used to feed hopper). Approx size 18" wide x 12 ft long.</p>	<p>Unrated</p> <p>Illinois</p>
<p>Belt Conveyor 31 ft Asset ID: 1667 Kolberg-Pioneer</p>	<p>Kolberg-Pioneer Belt Conveyor</p> <p>Kolberg-Pioneer Belt Conveyor, bulk product transfer conveyor. Model # 41-2431, serial number 417382. Driven by Emerson motor- model # AD88, 10HP 1760rpm. 230/460 volts 3/60. A new conveyor belt is included. The conveyor is in good working condition. It was previously used to load out dried distillers grain at about 55 tons per hour.</p>	<p>Used - Good</p> <p>South Dakota</p>

Listed in Category Order. Click on an Asset Name for more details.

Conveyor/Drag		1 Items
<p>Drag Conveyor Parts Asset ID: Y-1642X Tramco</p>	<p>Assorted drag conveyor parts - Priced by the foot. These Tramco drag conveyors were purchased, dismantled, and shipped to the laydown yard. They are still in pieces. There is no guarantee that all the ones shown on the spreadsheet are still there but there is excellent value in these conveyor pieces (to make sections in whatever length you desire) - already disassembled and ready to load. We have more detail and photos of each asset [before it was dis-assembled]</p> <ul style="list-style-type: none"> NOTE: Priced by the foot - you decide how much and how long you want 	<p>Unrated Mississippi</p>
Conveyor/Screw		2 Items
<p>Screw Conveyor 12" dia Asset ID: X-5217 GEA Barr Rosin</p>	<p>Screw conveyor carbon steel, Size 12" dia x 11' 11" long. Has trough inlet for baghouse discharge.. Material cs housing/cs screw. Belt driven by 5 HP motor 1800 rpm for a 57 rpm head shaft speed. See drawing in link. This screw conveyor is a part of the baghouse filter and will only be sold with it. Baghouse filter discharge screw conveyor. NOTE: This equipment is for sale but currently installed and not available until late 2023.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Screw Conveyor, ss 10 ft Asset ID: AF5</p>	<p>Conveyor for hopper. Stainless steel screw conveyor 9" OD x 118" long with 8" screw. Belt driven with 5 HP motor. Trough inlet x 4" pipe outlet with cylinder driven knife gate valve.</p>	<p>Used - Very Good Illinois</p>
Dryer/Belt		1 Items
<p>Biomass Belt Dryer Gryphon Asset ID: 2042 Gryphon</p>	<p>Gryphon Biomass Hot Air Belt Dryer</p> <ul style="list-style-type: none"> Gas fired recirculating counter current air dryer. Model A.318. Dryer section is 3 ft wide x 18 ft long. Evaporation rate (condensate rate) will be approximately 213 lbs/hr of water Used for drying hemp with inlet moisture of 50-80% and outlet moisture of 7% to 11% moisture running at 3,000 pounds per 24 hours inlet and approximately 1,000 pounds per 24 hours dry mass outlet. Natural gas burner rated at 1.5 MMBTU with all gas train valves, firing controls and Honeywell fire eye safeties. Supplemental electric heaters in each of the three sections. Air flow is by blower rated at 2500 scfm with VFD drive AB PowerFlex 753. AirPro Fan Type HPSM254 high pressure radial shrouded fan. 600 rpm serial 23894 40HP built on 2008. Six VFD drives in all Allen Bradley PowerFlex 525. Condenser coils. Includes infeed sifter and lid lift assembly for easy maintenance and operation. Includes fabricated feed belt 23.625" wide cleated belt. Full automation by Rockwell Allen Bradley and controls provided. Software plc controlled air volume, temperature and cycle time. Automated washing of chambers, air filter, and belt. CTS cooling tower and condenser unit is part of the package. <p>No need for baghouses, scrubbers, or exhaust stacks. See brochure in link for more information. Unit was purchased new in 2019 - only has 1,289 hours operation. Last used for hemp drying. Includes spares: (4) condenser filters, 1 dryer belt, bed skirts & spacers. Part of an entire CBD extraction system - enter PK6020 to see all components.</p>	<p>Used - Very Good Northern US</p>

Listed in Category Order. Click on an Asset Name for more details.

Dryer/Compressed Air		2 Items
Air Dryer, Regenerative Desiccant Asset ID: 1933 Atlas Copco	Atlas Copco heated regenerative desiccant compressed air dryer rated for 150 psig and a pressure dew point of -40C/-40F. Twin towers. Skid mounted. Air flow approx 1100 cfm. ASME Nat'l Bd # 13082 MAWP 159.5 psi at 662 F. Serial No. CMGBD3A06R12. Was in operational condition when idled in 2019. See dryer brochure and specs under Document LinksAir Dr	Used - Good
		Indiana
Air Dryer, Regenerative Desiccant Asset ID: B2098 Hankison	Hankison heatless regenerative air dryer Model DH-950. Rated at 590 scfm, 100 psig at -40 PDP. Desiccant activated alumina. S/N 3338-1-9505-13SD. Desiccant tanks ASME MAWP 250 psig at 200F.	Used - Good
		Peoria, IL

Dryer/Flash Dryer		2 Items
Swirl Fluidizer Flash Dryer System Niro Asset ID: AF94 GEA Niro	<p>GEA Niro Swirl Fluidizer System - Flash Dryer</p> <p>Complete skid with inlet air gas heater, fluidizing slurry tank, controls. This is an agitated flash dryer. GEA Model 6.3 Mobile Unit, ID No. 128-1650-1-01 built in 2009. Stainless steel skid size 86" x 87" x 82" tall. Fluidizing slurry tank stainless is approx 3 ft dia x 3 ft tall with bottom scraped-wall blade agitator and outlet to screw conveyor.</p> <ul style="list-style-type: none"> • Air flow 450-630 kg/hr • Inlet temp 100-350C • Outlet temp 60-150C • Water evaporation 0-55 kg/hr • Max powder rate 100 kg/hr • Max feed rate 150 kg/hr • Gas supply natural gas or propane <p>Used for drying cellulose pastes prior to filtration. In feed tank, the vertical bottom driven agitator will disintegrate the viscous feed material into homogeneous feed. A specialized auger then pushes the slurry to the drying chamber. The Niro SWIRL FLUIDIZER™ offers a cost-effective solution for drying of pastes, filter cakes, and highly viscous liquids for obtaining a fine, homogeneous and non-agglomerated dry product – in one compact process step.</p> <p>See detailed presentation in the Document Links</p>	Used - Excellent
		Illinois
Vacuum Dehydration Unit Asset ID: 2087 IFS	<p>Vacuum Dehydration Unit</p> <p>Compact vacuum dehydration unit to remove free water, emulsified water, and minor impurities from oil. Designed for most lubricating, EHC and hydraulic fluids down to 150 ppm. Possible to use for dewatering used cooking oil (UCO) upon proper testing and approval. Standard features: 300 gph process flow rate, 5kW heater with programmable temperature controller, dry seal vacuum pump,, adjustable flow controls, skid mounted with casters, controls. 440v 3/60. These units are built to order - allow 10-12 weeks ARO. Photo is a catalog photo.</p>	NEW
		Michigan

Listed in Category Order. Click on an Asset Name for more details.

Dryer/Fluid Bed		1 Items
Fluid Bed Dryer Asset ID: 8411 Barr Rosin	<p>Fluid Bed Dryer</p> <p>Fluid bed dryer design rate 4,244 lb.hr with infeed moisture at 20% by wt, and final product output at 3% by wt.</p> <ul style="list-style-type: none"> • Evap capacity 744 lb/hr • Comenco systems duct heater/burner and control panel. Model DH-65-4-0-NPO. Serial # 91322. Runs on natural gas. Maximum input 4,000,000 BTU / h. • Bed size 3 ft x 12 ft static fluid bed • Induced Draft Fan: Located at Cyclone at top. Air Blower Twin Cities Size 921-CW driven by 75 HP motor 1475 rpm 460v 3/60. Rated at 15,879 cfm at 13" sp. FANC/03 • Forced Draft Fan (inlet) Fan missing but housing and inlet ducting is still there: WAS 50HP 1800 rpm 460v 3/60 Twin Cities Air Blower 7897 cfm at 16 sp. Inlet fan FANC/01 • Forced Draft Cooler Fan: 20HP 1800 rpm 460v 3/60 Twin Cities air blower 3039 cfm at 12 sp Outlet Fan FANC/02 • (4) Sifter Screen Units. Tru-Balance (2) 40 7/8" sq, (2) 30 7/8" sq • Carbon steel construction • Ducting included • Price quoted is removed and loaded on truck. <p>Last used for corn germ drying - product density at 32 PCF. See Specs in Links. Last Ran in 2011 - Was functional when shut down</p>	Used - Very Good
		South Dakota
Dryer/Rotary		2 Items
Rotary Steam Dryer Asset ID: 5380 Davenport	<p>96 inch dia Davenport Rotary Steam Dryer. Used Rotary Counter Flow Steam Tube. Shell & tube: 304 stainless steel. 104" OD x SCH.10. Pitch 0 DEG to 32 DEG. 46'9 O.A.L. 30HP motor, 349 RPM. Batch capacity: 80,000 lbs./hr. Shell rated for 1 ATM of pressure @ 370F. Tube rating 175PSIG @ 370F. Steam Rating: 130PSIG. Manufactured by Davenport. Previous Use: PTA Dryer.</p>	Unrated
		Texas

Listed in Category Order. Click on an Asset Name for more details.

<p>Rotary Steam Dryer ss Asset ID: PK-2347 Drying Solutions</p>	<p>Rotary Steam Dryer stainless steel</p> <p>Rated at 1500 lbs/hr capacity with co-current single-pass superheated steam. Approx conveying air feed 1,973 acfm at 266F to 288F. (Max inlet temp 680F). Last was running soybean meal</p> <ul style="list-style-type: none"> • Evaporation rate 900 lb/hr. Set for 65% moisture IN and 5% moisture OUT at 1500 lb/hr feed rate. • Dryer drum size is 1800 mm dia x 14750 mm drum length (5.9 ft dia x 48.4 ft length). Co-current flow. MOC stainless steel 304L. Cup flights around the perimeter - hollow middle • Natural gas fired burner with controls and fire-eye, Blower, belt drive. Rated at 7.3 MMBTU/hr • This is a steam dryer set up for either steam injection or water injection. Steam heated by hot air intrchanger to 680F. Steam usage 4087 lbs/hr at 266F (approx 25 psig) • Cyclone and vertical condenser • Drag conveyer and 3 screw conveyors • All controls including plc and touch screen HMI built into panel • Electrical 200 amp service 460v. Starters and VFD's are located in the control cabinet. There are 4 VFD's. 60HP blower, 60HP conveying fan, 40 HP burner, 40HP drum motor. • Footprint of entire system 19950 mm x 11110 mm x 5000 mm tall (65.4 ft x 36.4 ft x 16.4 ft tall) <p>In good operating condition. Idled in mid 2022. Tested operation again for 2 weeks in Aug 2024. See drawings in LINK</p>	<p>Used - Excellent</p> <p>lowa</p>
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Dryer/Spray Dryer		1 Items
<p>Spray Dryer, Pilot 22 lb/hr Asset ID: 2110 Hemraj</p>	<p>Spray Dryer-Small Scale. NEW. Never used. Still in Crates</p> <p>Manufactured by Hemraj. Model PSD-02 Suitable for pilot plant or semi-works.</p> <ul style="list-style-type: none"> • Evaporation capacity 5 to 10 kg/hr water (11 to 22 lb/hr evap rate) • Can operate co-current or counter current • Volume of dryer is 1687 L (450 gallons) • Air Flow 450 cu m/hr • Atomizer: Includes two - pressure nozzle and two-fluid nozzle. Pressure nozzle diameter 1mm. Compressor pressure in case of two-fluid nozzle is 8 bar max. • Peristaltic pump • Stainless steel (316L) including the supporting structure • Electrical heater 20 KW • 20KW maximum heating power. Inlet temp. 200C, maximum 300C • Dimensions given are for the spray dryer vessel. <p>NOTE: We have packing lists, crate sizes, wiring diagrams, and other information. Call or email us.</p>	<p>NEW</p> <p>Kentucky</p>

Electrical		2 Items
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Listed in Category Order. Click on an Asset Name for more details.

<p>Air Core Reactors 2000 KVA Asset ID: B2094 Trench Electric</p>	<p>Air core reactors by Trench Electric, Canada. Dry type, air cooled, rated at 2000 KVA, system volts 13.8 kV, 60 Hz, 1 phase. Rated impedance 0.5 ohm. Built 1993. Serial numbers 117770-4, 117770-3, and 117770-6. Weight 2150 pounds each. Two assembled, one in pieces. Qty (3) - sold as a LOT</p>	<p>Used - Good Peoria, IL</p>
<p>Disconnect 100HP Asset ID: AF91 Square D</p>	<p>Square D disconnect for 100HP vacuum pumps 460v. Quantity (2) - priced separately.</p>	<p>Illinois</p>

Electrical/GenSet & Generator 2 Items

<p>Generator Gas Dryer and Analyzer Asset ID: 8881 e One (Environmental One Corp)</p>	<p>GAS STATION™ From E/One</p> <p>GAS STATION is a new modular approach to gas control and monitoring for hydrogen-cooled generators The E/One Gas Station is a modular approach that combines monitoring and control systems onto a single skid</p> <p>MODULES</p> <ul style="list-style-type: none"> • Generator Gas Analyzer - GGA The Generator Gas Analyzer (GGA) continuously analyzes generator cooling gas during normal and purge operations to ensure optimum purity levels and maximum operational efficiency. ssembly # HD0135G01. Serial # GS 0109. Single phase, 120 VAC, 30 Watts, 50/60Hz. Thermocnductivity measurements designed for gas flow rates fro 100 to 700 cc/min. Triple-range sensor/analyzer that provides continuous monitoring of gas purity during all phases of generator operation. • Generator Gas Dryer - GCD eOne's Generator Gas Dryer (GGD) removes contaminants from the hydrogen cooling gas through all phases of generator operation. Assembly # DD0125G07. Serial # GGD 0112. Single phase, 480 VAC, 2.4 KW, 50/60 Hz. Dual-chamber system continuously dries and recirculates generator cooling gas 	<p>Used - Good Illinois</p>
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Listed in Category Order. Click on an Asset Name for more details.

<p>Steam Turbine Gen Set 7 MW Asset ID: 2117 Howden</p>	<p>GenSet - Howden 7MW Steam Turbine with AC Generator, 50/60 Hz. Model TWIN-CA 56</p> <p>GenSet Rating 7 MW at 13.8 kV 60 Hz Used less than a year - still under power Turbine</p> <ul style="list-style-type: none"> • Manufacturer Howden. OEM: Siemens Turbomachinery Equipment / TD Power systems Series SST-110. • Operates on 900 F superheated steam at 800 psig • Provides process steam at 375 F at 46 psig. <p>AC generator</p> <ul style="list-style-type: none"> • Generator is a Brushless AC generator with an AC exciter and rotating rectifier mounted on a common shaft. • Continuous rated output kW / kVA 7000 / 8750 • Speed in (rpm) 1800 • Voltage (Volts) 13800 • Full load current (Amps) 366 • Frequency (Hz) 60 Hz 3 phase • Power factor 0.8 (Lag) • No. Of poles 4, insulation Class F • Enclosure Main: IP 54 • Cooling System Main: IC 81W • Bearings Two nos. sleeve Bearings • Bearing oil feed system Forced Lubrication <p>Used less than a year and is still under power.</p>	<p>Used - Excellent</p> <p>Washington</p>
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Electrical/MCC		1 Items
<p>Vacuum Starters Contactors, HV Asset ID: 2035 Allen Bradley</p>	<p>Vertical sections with Allen Bradley vacuum motor starters. With (3) vacuum starters 1520-V4DBDA-1. 2500 - 7200v 400A. Equipped with AB power monitors 3000 and GE 369 Motor Management Relays and GE 737 Feeder protection relays.</p>	<p>Unrated</p> <p>Illinois</p>

Electrical/Motor		17 Items
<p>Motor Asset ID: M107 Marathon</p>	<p>Marathon electric motor. Frame 286T. 1765 RPM. 230/460V</p>	<p>Used - Good</p> <p>Grant City, MO</p>
<p>Motor Asset ID: M1012 Toshiba</p>	<p>Toshiba electric motor</p>	<p>Unrated</p> <p>Grant City, MO</p>
<p>Motor 100 HP Asset ID: M111 Pacemaker</p>	<p>Pacemaker 100 HP electric motor. Frame 405TS. 1730 RPM. 230/460V</p>	<p>Used - Fair</p> <p>Grant City, MO</p>

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Listed in Category Order. Click on an Asset Name for more details.

Motor 100 HP Asset ID: M103 GE	GE 100 HP electric motor. Frame 405TS. 1780 RPM. 230/460V, 140/70A.	Used - Good
		Grant City, MO
Motor 30 HP Asset ID: M1005 Marathon	Marathon 30 HP electric motor. Frame 286TS. 3545 RPM. 230/460, 68.4/34.2A.	Used - Good
		Grant City, MO
Motor 30 HP Asset ID: H114 Marathon Electric Blue Chip	Marathon Electric Blue Chip 30 HP electric motor. EPFC enclosure, 3530 RPM. Built in 2010. Model JJ286TSTGP4001CDL. Frame 286TS, 230/460V, 72/36 FLA, 60 Hz. SF 1.15 continuous duty. Physical weight 205 pounds	Used - Very Good
		Grant City, MO
Motor 40 HP Asset ID: H113 Marathon Electric Blue Chip	Marathon Electric Blue Chip Severe Duty 40 HP electric motor. NEW 3545 RPM. Built in 2005. Model CN324TSTGP4001CDL. 230/460V, 95/47.5 FLA, 60 Hz. Enclosure EPFC, Frame 324TS, continuous duty. Physical weight 584 pounds.	New, Old Stock
		Grant city, MO
Motor 40 HP Asset ID: M101 GE	GE 40 HP electric motor. Frame 324TS. 3565 RPM. 460V, 43.7A.	Used - Fair
		Grant City, MO
Motor 40 HP Asset ID: M102 GE	GE 40 HP electric motor. Frame 324TS. 3565 RPM. 460V, 43.7A.	Used - Fair
		Grant City, MO
Motor 40 HP Asset ID: M108 Pacemaker	Pacemaker 40 HP electric motor. Frame 404T. 1185 RPM. 220/440V, 147/73.5A.	Used - Good
		Grant City, MO
Motor 400 HP Asset ID: H2001 Siemens-Allis	Siemens-Allis electric induction 400 HP motor, vertical shaft. Model 145, S/N 1-5117-51041-1-1. Type FODV. Frame 507UP. 52.8 Amps, 4000V, 60 Hz. 1780 RPM. Includes 400W space heater. Last service was on cooling tower pump.	Used - Good
		Grant City, MO
Motor 450HP Asset ID: B2083 Marathon Electric	Marathon Electric 450 HP Motor, 460V, 60 Hz, 3565 RPM, Frame 449TSD	Used - Good
		Peoria, IL
Motor 50 HP Asset ID: M106 Marathon	Marathon 50 HP electric motor. Frame 365T. 1180 RPM. 230/460, 124/62A.	Used - Good
		Grant City, MO
Motor 60 HP Asset ID: M109 Pacemaker	Pacemaker 60 HP electric motor. Frame 404T. 1185 RPM. 220/440V, 147/73.5A.	Used - Good
		Grant City, MO
Motor 60 HP Asset ID: H109 Marathon Electric Blue	Marathon Electric Blue Max electric 60 HP motor. NEW, old stock. 3000 RPM. Model EVD 364THFS8046BT W. S/N WAA033158. Enclosure TEBC, Frame 364TC. 230/460V, 60Hz. Built 2007 - not used, instorage since then	New, Old Stock
		Grant City, MO

Listed in Category Order. Click on an Asset Name for more details.

Motor 60HP Asset ID: M110 Pacemaker	Pacemaker electric motor 60HP 1200rpm	Used - Fair
Motors 40 HP (NEW) Asset ID: X2097 Baldor	Baldor 40HP motor, 1770 rpm 460v 3/60. Frame 324T, TEFC.. Were spares - new, old stock. Qty (3) - priced separately	New, Old Stock Mississippi

Electrical/Panels		2 Items
Control Cabinet Asset ID: X2039	VFD control cabinet with Allen Bradley PanelView 600 and multiple VFD's. Two sections. Last used as glycerin control panel	Unrated Mississippi
Control Panel I/O Asset ID: X2038 Benshaw	Reactor skid control panel and I/O. Three sections. Allen Bradley touch screen control and plc.	Unrated Mississippi

Electrical/Substation		1 Items
Substation Power Distribution Building Asset ID: 2098 Cutler-Hammer Eaton	<p>Substation Power Distribution Building</p> <p>Substation Power Distribution Building with Cutler-Hammer Vacuum Breakers and PLC. This system has a 12,470v input from main transformers on one side at roof, and a 4160v infeed at roof on the other side. This line up includes:</p> <ul style="list-style-type: none"> • (8) Cutler Hammer Vacuum Circuit Breakers Type 150VCP-w500 Style 3A73950G01. 200 Amp.w/ GE 750 Feeder Management Relays • (1) Cutler Hammer VCB. Type 50VCP-W250. Style 8075A32G01. 200 Amp w/ Circuit Shield Under Voltage Relay and GE 750 FMR. • (1) AC Panel. • (1) 48 Volt DC Panel. PLC Panel w/ PanelView 1000 and Control Logix PLC Includes portable substation building Building shipping Dimensions: 12'6" wide x 38' length x 11'4" height. Weight is 45,000 lbs. This unit and all electrical components are in great condition. This was taken offline October 2023 - Removed and Ready To Load. ** See One-Line diagram and GA layout in Links** 	Used - Very Good Minnesota

Electrical/Switchgear		2 Items
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S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Switchgear 13.8 kV Asset ID: B2100 S&C</p>	<p>S&C metal-enclosed switchgear. 13.8 kV, main bus 600 A. Three phase 60 Hz. Catalog number CDA-749682</p>	<p>New, Old Stock Peoria, IL</p>
<p>Switchgear, Gas Insulated 69kv (GIS) Asset ID: B2111 ABB</p>	<p>Gas Insulated Switchgear (GIS) 69kv ABB switchgear 69kv - insulated gas, small footprint (GIS) with leak tight Sulfur Hexafluoride gas (SF6). Model ELK-04</p> <ul style="list-style-type: none"> • Two (2) 69kv distribution busses with disconnects, • Eight (8) 72kv feeder circuit breakers, ELK-04 • Four (4) tie breakers • Panel • All inside protected building - never energized or used <p>See 16 page detail sheet attached in LINKS.</p>	<p>New, Old Stock Peoria, IL</p>

Electrical/VFD		3 Items
<p>VFD 1HP Asset ID: 1459 Automated Direct</p>	<p>Mini VFD drive AC 1HP. Basic scalar control and you want simplicity, the GS1 series can get the job done. Offers an integrated keypad with speed control knob and built-in Modbus communications. Simple volts/Hz control, external analog input 0-10v, 0-20ma, or 4-20 ma. Modbus communications for 230v 3 phase control. Also has speed knob on front.</p>	<p>NEW Cumming, GA</p>
<p>VFD 2HP Asset ID: 7016 Allen Bradley</p>	<p>Allen Bradley Adjustable frequency variable speed controller (VFD). Rated for 2 HP. Preset Spd. Series C. Model 160-BA04NPS1. Input 380-460 volts, 3 phase 50/60 hz. Output: 380-460V. Open enclosure IP20 The 160-BA04NPS1 is a Variable Speed Drive. This belongs to the 160 SSC drives by Allen-Bradley. It features compatibility with an input voltage of 380-460 VAC, 3-Phase along with an input current of 4.6 Amperes. It has an output voltage of 380-460 VAC, 3-Phase, output current, and power of 4.0 Amperes and 2.0HP or 1.5 kW, respectively. This drive has an Open (IP20) enclosure and is designed to implement speed modulation via Preset Speed configuration. Quantity (4) - priced separately</p>	<p>Used - Very Good Jacksonville, IL</p>
<p>VFD 7.5 HP Asset ID: AF90 SEW</p>	<p>SEW variable frequency drives (VFD) Movidrive. Inverter. SEW part number 08249571. Type MDX61B0055-5A3-4-OT. Size 5.5KW (7.5HP). Input 200-240V with 3HP output. Small footprint 105mm x 314mm weighing 2.8kg. Quantity (10) - priced separately</p>	<p>Used - Good Illinois</p>

Elevator Leg		2 Items
<p>Elevator Leg 96.5 ft Asset ID: CE-8411 Essmueller</p>	<p>Essmueller bucket elevator 96'-6" discharge height. Designed for 15,000 CFH of DDGS at 32 PCF. Has 2 rows of polyethylene buckets - traveling at 472 fpm. Has 454 buckets - Buckets are 14" x 8" Maxi-Lift HD Max. Driven by 40 HP motor 1800 rpm geared down to 42 rpm. Material CS. Price is for elevator leg ONLY. We can also quote you for the tower & structure. See link for drawing. Used as DDGS Reclaim Bucket Elevator.</p>	<p>4 Canton, IL</p>
<p>Elevator Leg Parts Asset ID: X2106 BSI</p>	<p>Assorted elevator leg parts - sold as a LOT</p>	<p>Unrated Mississippi</p>

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

Evaporator		9 Items
<p>DeHydration Unit Asset ID: 6227 Wintek</p>	<p>Wintek Corporation DeHydration Unit. Like NEW - only 31 run hours!! This DeHy is a flash tower with condensate/receiver and vacuum system. Capacity feed content is designed for 12 to 21 gpm feed oil with up to 0.25% water. - based on soy oil modeled as a triglyceride. System consists of feed heat exchanger, a flash tank, a transfer pump, a pre-condenser, receiver tank with transfer pump, and a 10HP liquid ring vacuum system. Flash tower is cs 16 inch dia. DeHydration Unit is used to remove the water from your feed oil. When hot feed oil is exposed to a high vacuum, the water will flash into water vapor and be removed by the vacuum system. This system is skidded - removed and ready to load. Loading fee may apply depending on customer requirements and destination. See complete dehy design specs in attached file (link)</p>	<p>Used - Excellent Saskatchewan</p>
<p>Evaporator Condenser ss Asset ID: ET-4202 Thermal Kinetics</p>	<p>Evaporative condenser: Evaporator by Thermal Kinetics. Size 4.5' dia x 50' s/s on 8' cs skirt. OAH approx 60'. Capacity 45.1 MMBTUH, Material ss304L. Design: Tubes FV/25psig, 150F; Shell: FV/75psig, 200F. Used as Thermal Kinetics 3rd and 4th Stage/Second Effect Evaporator. Installed and tested 2009 - never ran. Idle since then</p>	<p>Used - Good Canton, IL</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Evaporator System, 4-effect Asset ID: 2114 Rosenblad</p>	<p>Rosenblad Multi-Effect Evaporator System</p> <p>4 Effect Evaporation System With a Stripper-Condenser and Thermal Oxidizer Effect Evaporators & Stripper Condenser Evaporators with 4 Effects. 1st effect has 3 effects inside to provide continuous operation while washing. Effects use Lamella style plates. Rosenblad falling film plate technology for continuous concentration of customer's specialty weak liquor solution. Material all 304 Stainless Steel. See links for details of system</p> <p>Design Conditions</p> <ul style="list-style-type: none"> • Evaporation Rate 152,169 lbs/hr. • Feed Liquor Flow Rate 220,200 lbs/hr (approx 400 gpm) • Feed Liquor Concentration 12.0% TDS, Feed Liquor Temperature 150 °F • Estimated methanol content 600 mg MeOH L (liquor) <p>Product Liquor</p> <ul style="list-style-type: none"> • Product Liquor Flow Rate Outlet 48,031 lbs/hr • Product Liquor Concentration 50% TDS, Product Liquor Temperature 214.0 °F <p>Steam Consumption and Economy</p> <ul style="list-style-type: none"> • Steam to the First Effect 41,950 lbs/hr • Steam pressure (Minimum) 21.8 psia (233F) • Steam Economy 3.63 <p>Cooling Water and Air</p> <ul style="list-style-type: none"> • Cooling Water Flow Rate 2,564 gpm • Cooling Water Inlet Temperature 80f, Outlet 113F • Air pressure for automated valves (Min) 90 psig <p>Power Consumption</p> <ul style="list-style-type: none"> • Power Consumption for the (9) pumps 178.85 kW (240 HP) <p>Thermal Oxidizer</p> <ul style="list-style-type: none"> • Destroys 99.9% of separated methanol and NCG streams 	<p>Used - Very Good</p> <p>Washington</p>
<p>Falling Film Evaporator Asset ID: 380-EQ-870 Unitech</p>	<p>Evaporator rated at 45,000 lbs/hr. Unitech Titanium falling film evaporator manufactured in 1993 but unused until 2008 then operated for approximately 9 months. Includes Incoloy 825 vapor body, 15,862 SqFt heat transfer section with 872 Grade 2 Titanium 2 inch OD tubes x 36 ft long; and MVR compressor driven by a 500HP motor. Design train capacity is 92 GPM, distillate flow 83.95 gpm. This converts to 44,457 lbs/hr water evaporation. This is the Evaporator and structure only - Part of Evaporator package PK-6045 and might not be able to be sold separately - Ask Us. For a list of all components, enter "pkevap" in the keyword search terms box.</p>	<p>Used - Excellent</p> <p>Saskatchewan</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Methanol Dehydration Unit Asset ID: 1760 Wintek</p>	<p>Molecular Sieve Dehydration Unit (MSDU) - Wintek methanol distillation recovery unit used in biodiesel plant. Model MSDU-M02.05, serial 110401. Molecular sieve beads can be regenerated when saturated</p>	<p>Unrated</p>
<p>Rotary Evaporator, Lab Size 50L Asset ID: 2354</p>	<p>Vertical Condenser Rotary Evaporator 50L</p> <ul style="list-style-type: none"> • 50L Rotary Evaporator - voltage 220 single phase • Chiller DLSB-50/30, voltage 220v single phase. • Rotate speed 0-122 rpm • Very few hours • Spare parts package- Does not include vacuum pump <p>The rotary evaporator can be rotated under constant temperature and under negative pressure to form a film, and is condensed and recovered in the evaporation solvent. It is especially suitable for concentration, crystallization, separation and recovery of heat sensitive materials. It is an important equipment for scientific research, pilot test and production in bio-pharmaceutical, chemical, food and other industries.</p>	<p>Used - Excellent</p> <p>Tennessee</p>
<p>Thin Film Evaporator Dryer Asset ID: 7112 Cherry Burrell</p>	<p>Cherry Burrell Thin Film Evaporator</p> <p>Thin film evaporator model 36-144. Used Turba Film Processor wiped film evaporator. Scraped surface area 106 sq ft. Model 36-144, serial 35463EA, mfg number A4128. All contact surfaces are 304 stainless steel. Has 2 sections, designed for steam in jacket. ASME MAWP shell FV at 400F, jacket 150 psig at 400F. Nat'l Bd# 925. Driven by 40 HP motor 1182 rpm in/260 rpm at dryer.</p> <ul style="list-style-type: none"> • Capacity depends on moisture and feed. In general this evaporator can evaporate 30 pounds of water per hour per sq ft surface area. This evaporator has 106 sq ft surface area so it should be able to evaporate up to 3,180 pounds of water/hr. It was operating on lecithin (gums) drying and was doing 10 TPD (833 #/hr). • The jacket passed hydrotest April 2023. • Physical size 36" dia x 144" tall for 252 inches OAH. Weight of dryer only empty 13,200 pounds. Parts of a 3-stage steam ejector barometric vacuum system are available As Is - On pallet • This evaporator is the one on the right (without the blue writing) • We can sandblast and prime for \$1500 extra • Equipment has been removed and is ready to load on your truck - price includes removal & loading. Sold As Is - We can also offer reconditioned state. RD-78 	<p>Used - Good</p> <p>Texas</p>
<p>Thin Film Evaporator Dryer Asset ID: 7135 Cherry Burrell</p>	<p>Cherry Burrell Thin film evaporator 36-144. Turba Film Processor wiped film evaporator. Scraped surface area 106 sq ft. Model 36-144, S/N 35465EA, Mfg # A4154. All contact surfaces are 304 stainless steel. Has 2 sections, designed for steam in jacket. ASME MAWP shell FV at 400F, jacket 150 psig at 400F. Nat'l Bd# 927. Belt Driven by 40 HP motor 1182 rpm in/260 rpm at dryer (missing motor). Capacity depends on moisture and feed - on lecithin (gums) drying it was doing 10 tpd (833 #/hr). Physical size 36" dia x 144" tall for 252 inches OAH. Weight of dryer only empty 13,200 pounds. Equipment has been removed and is ready to load on your truck - price includes removal & loading. We can also offer in reconditioned state.</p>	<p>Used - Fair</p> <p>Bethany, MO</p>

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Thin Film Evaporator Dryer Asset ID: 7141 Cherry Burrell</p>	<p>Cherry Burrell Thin film evaporator 36-144. Turba Film Processor wiped film evaporator. Serial no. A4156. Scraped surface area 106 sq ft. Model 36-144. All contact surfaces are 304 stainless steel. Has 2 sections, designed for steam in jacket. ASME National Board # 929., ASME MAWP shell FV at 400F, jacket 150 psig at 400F. Direct Driven through a Nord 6.74:1 gear reducer by 40 HP motor 1182 rpm in/260 rpm at dryer. Has a standard mechanical seal. Capacity depends on moisture and feed - on lecithin (gums) drying it was doing 10 tpd (833 #/hr). Physical size 36" dia x 144" tall for 252 inches OAH. Weight of dryer only empty 13,200 pounds. Equipment has been removed and is ready to load on your truck - price includes removal & loading. We can also offer in reconditioned state.</p>	<p>Used - Fair Bethany, MO</p>
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Filters/Bag Filter		5 Items
<p>Bag Filter Asset ID: X2089</p>	<p>Bag Filter, quick open top. 8 #2 BagsSpecs unknown</p>	<p>Unrated Mississippi</p>
<p>Bag Filter 4-bag FSI Asset ID: 2095</p>	<p>Rebuilt FSI 4-Bags design model FSPZ 800-C.S.polishing filter</p> <ul style="list-style-type: none"> • Carbon Steel Construction. • 4-Bags Design for N^o2 Bag Size. • 4 Strainers Basket in 304 Stainless Steel Construction. • 3" Inlet & Outlet Flanged Connections. • EZ-open lid with hydraulic system. • 800 GPM Maximum Flow Rate. ASME Nat Bd # 2919 MAWP 150 psig @ 400°F. Serial num 46120 • Unit is Furnished with 50 Bags. Micron size TBD • Unit Sandblasted, Primed & Painted. 	<p>Reconditioned Texas</p>
<p>Bag Filter ss with platform Asset ID: 2101 Ess Corp</p>	<p>Stainless Steel Bag Filter with platform, Model # BG1122FHJSS, year built 2003. Uses #2 bags x 30". Certified by ESS Corp. MAWP 800 gpm maximum flow rate /150 psi at 200 Fahrenheit. Serial # 2046, Includes platform and handrail shown in photos - size approx 3 ft x 4 ft.</p>	<p>Used - Good Illinois</p>
<p>Bag Filters, Single Asset ID: X2095 Rosedale</p>	<p>Rosedale single bag filter Model 8. New old stock - in warehouse. Carbon steel housing rated at 150 psig. Connection size 2" NPT, Housing size 30 (basket size 30"), swing bolt closure. Takes #2 bags. Fluoroelastomer seal, FSI/Polyloc basket type. Maximum flow rate 220 gpm. Qty (3) - priced separately</p>	<p>New, Old Stock Mississippi</p>
<p>Filter Bag Asset ID: H2036</p>	<p>Filter bags for polish filter, size #2. There are 6 boxes of 25 bags each. P2S Polyester Felt Filter Bag. Bags measure 2 ft 5 in long. Priced for the LOT.</p>	<p>New, Old Stock Grant City, MO</p>

Filters/Baghouse Dust Collector 3 Items

Listed in Category Order. Click on an Asset Name for more details.

<p>Baghouse Dust Collector 62sf Asset ID: 8121 MAC</p>	<p>MAC Baghouse Dust Collector - very low hours</p> <p>MAC Baghouse dust collector. Model 54ST9. Serial # 161448-006-1. Used only for about a week for a research project - idled outside.</p> <ul style="list-style-type: none"> • Mounted on structural frame with MAC MD20 airlock and 0.75 HP motor. • Filter includes (9) 16 oz polyester-dacron bags w/ ground wire and galvanized cages providing 62 sq ft surface. Bags change from clean air side. • Air to dust ratio of 4:1 at 250 cfm. • Baghouse dimensions 24" x 24" x 6 ft tall • Interior contact areas coated with epoxy • See drawing in Links <p>Type ST dust collectors utilize bag media. A Mac baghouse type ST is a square baghouse-type dust collector that uses fabric filters to remove dust, particulates, and pollution from the air. (Square Top-Removal) - top removal. The filter media is installed and removed through the clean air plenum of the filter. Has a hinged top door to allow clean air access to the filter media</p>	<p>Used - Good</p> <p>South Dakota</p>
<p>Baghouse Filter 3719 sf Asset ID: FBAG-31 MAC</p>	<p>MAC baghouse filter dust collector, model 120RPT224 style 111. Serial number 112578-001-1. Carbon steel shell with 224 bags polyester 16oz for 3,719 sq ft filter area. Designed for 22,100 cfm at 17SF max. Air pulse cleaning uses 42 scfm at 90-100 psig. Air to media ratio 5.94:1 at 22,100 scfm. Includes sprinkler system (31.4 gpm per sprinkler x 3). Physical size 148" x 142" x 369" OAH. Weight 22,100 pounds.</p>	<p>Used - Very Good</p> <p>Vicksburg, MS</p>
<p>Baghouse Filter Silo 4300 sf Asset ID: cp101 Kice</p>	<p>Baghouse Filter, used. Kice model CR288-12 built 2006. Has 288 filter bags with cages - bag size 4-3/4" x 144" long. (Approx 4300 sf surface area). Baghouse size 12 ft dia. X 38 ft tall with 60 degree cone, partially insulated. On steel structure 14 ft x 14 ft x 9 ft tall. OAH approx. 45 ft tall. Carbon steel. With 3 ft screw conveyor at outlet. We have blower fan that went on this system - available for extra cost - see asset cp102. NOTE: Baghouse system has been removed - stored at crane yard near Winnebago, MN. The optional Kice 60 HP blower system and ss stack (25,000 scfm) is in separate location (Marissa, IL). Baghouse filter shipping details: 13'-11" x 13'-10" x 44'-10 1/8 OAH, weight empty 30,500 pounds - allow 35,000 pounds. See links for baghouse filter drawing. We also have operating manual and wiring diagram + erection tips from Kice. Price quote for baghouse silo only.</p>	<p>Used - Good</p> <p>Winnebago, MN</p>

Filters/Belt		2 Items
<p>Belt Dewatering Filter Press Asset ID: 1235 Ashbrook Simon Hartley</p>	<p>Klampsess Belt Filter Press</p> <p>Dewatering, desludging filter press - Cloth 1.2 meters wide. Mfg by Ashbrook Simon Hartley. Model KP-Mark-2 Klampsess, Size 1. Serial 4530.7.167, S/R number 4530. Top belt size 1.2 x 11.920 meters, bottom belt size 1.2 x 12.930 meters. Driven by 3 HP motor. Capacity approx 0 - 80 gpm depending on feed. Removed - ready to load.</p>	<p>Used - Good</p> <p>Iowa</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Belt Dewatering Filter Press 1.2 meter Asset ID: 1234 Ashbrook</p>	<p>Klampsess Belt Filter Press</p> <p>Dewatering, desludging filter press - Model KP-1. Mfg by Ashbrook. Part # KP000586, MPS number 20407, serial number 66448-1765. Belt size 59'-11" long x 47.25" wide.</p> <ul style="list-style-type: none"> • Includes hydraulic unit • Has spare main belt • Idled in 2022 - Still installed • See drawing for all dimensions <p>Belt presses are a common type of mechanical dewatering equipment used to dewater most biosolids generated at municipal wastewater treatment plants and many industrial applications. Belt presses are used to remove water from liquid wastewater residuals and produce a non-liquid material referred to as "cake". The Belt Filter Press is a broadly applicable product for dewatering municipal biosolids and industrial sludges.</p>	<p>Used - Good</p> <hr/> <p>Iowa</p>
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Filters/Cartridge Filter		2 Items
<p>Cartridge Filters Asset ID: FC-1513</p>	<p>Cartridge filters, stainless steel. Quantity (2) - priced for the set</p>	<p>Grant City, MO</p>
<p>Dust Cartridge Filter 129sf Asset ID: AF11 Wam</p>	<p>Wamflo stainless steel cartridge filter for powder. Type FNC2J12PPOY, serial 11-FN-13-0004866. Size 24" dia x 36" tall on ss skid. Has 8 elements x 920mm long. Filter elements are pleated non-woven polyester. Filter surface area is 12 sq m (129 sf). Self-cleaning - uses compressed air countercurrent cleaning system with timer. Manufactured by Wam.</p>	<p>Used - Very Good</p> <hr/> <p>Illinois</p>

Filters/Coalescer		2 Items
<p>Filter Asset ID: 31-FL-244 TM Industrial</p>	<p>Vertical single stage filter, 10 micron, carbon steel, 3" pipe in/out top entry. Designed for 101,940 #/hr (205 gpm) solvent with 0.2 PPMW solids, 5 PSID. MAWP 450 psi/FV @350F, Nat'l Bd# 6166, s/n 6171. Used as solvent filter - like new. Mfg by TM Industrial in 2009, used 42 days.</p>	<p>Used - Excellent</p> <hr/> <p>Soperton, GA</p>
<p>Filtration Separator Asset ID: VK-2019 Lakos</p>	<p>Lakos filtration separator. High efficiency solids separator. Filter performance, rated to remove 98% of solids, 74 microns and larger, and 99% of solids 44 microns and larger in recirculating applications. Continuous non-barrier filtration with no backwashing or internal moving parts; automated periodic purging eliminates maintenance. NOTE: This equipment is for sale but currently installed and not available until late 2023.</p>	<p>Unrated</p> <hr/> <p>Vicksburg, MS</p>

Filters/Membrane		2 Items
<p>Membrane Filter Press 1000sf Asset ID: 5547 Industrieterrein Belgium</p>	<p>Membrane Filter with hydraulic press and polypropylene plates. Supplied by DeSmet, built by Welders. Built 1985. Model OMF-1200, S/N 81630. 1000 square ft. filter area. 3" inlet/outlet. 51" W x 24' L x 90" H. Bed is 15' long. Uses 47" x 47" x 3.5" polypropylene plates. 64 plates included. Built for 6 bar (90 psi). 5.5kW, 440V, 3 Phase 50 Hz. Ram Info: Model CE 200.140.900KT5A. Co. No. 406383. Design No. 114357C. 900mm length. Includes manual for installation, operation, and maintenance. This filter will need new controls - we can furnish if desired. Price includes removal & loading. Available immediately.</p>	<p>Used - Fair</p> <hr/> <p>Kingston, Jamaica</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Reverse Osmosis Membrane Filter Asset ID: 2028A</p>	<p>Reverse Osmosis RO Membrane Filter System</p> <p>Material specs are 316 stainless. Tanks are 304 stainless. Includes controls and HMI. Designed for flow rate of 50-60 gpm at 150 - 250 psig. Membranes not included. Last used on well water - removed and stored in controlled warehouse, ready for loading</p> <p>Three stage</p> <ul style="list-style-type: none"> • Stage One has (18) 4" vessels, 5 elements per • Stage Two has (18) 4" vessels, 5 elements per • Stage Three has (12) 4" vessels, 5 elements per <p>Includes 6 pumps. All 6 pumps driven by VFDs</p> <ul style="list-style-type: none"> • (3) recirculation pumps (40HP, 40HP, 20HP) • (3) feed pumps (30HP each) <p>Tanks</p> <ul style="list-style-type: none"> • One Feed tank 500 gallons and two smaller tanks (perm & conc) at 120 gallons each. <p>Controls and HMI incuded</p>	<p>Used - Very Good</p> <p>Kansas City, MO</p>
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Filters/Microfiltration		1 Items
<p>Microfiltration Asset ID: 1922 Memtek</p>	<p>Memtek EFC 3600 tubular microfiltration system by Siemens</p> <ul style="list-style-type: none"> • (3) microfiltration skidded modules in this set as shown. • Crossflow tubular membranes pvc • Concentration FRP tank 8 ft dia x 9 ft tall (3300 gallon capacity). • Mix Tank, FRP with top entering agitator • Circulation pump is centrifugal 50 HP 460/3/60 rated at 1060 gpm. • Overall footprint of system is approx 43 feet x 25 feet wide x 12 feet tall. Each skid is 33 ft x 8 ft x 12 ft tall. <p>The basic EFC system is a skid-mounted package consisting of membrane modules, recirculation pump, in-place cleaning loop, backpulse mechanism, instrumentation and controls. The rugged fluorocarbon membranes are non-plugging, abrasion and chlorine resistant. The skid-mounted design is compact and requires minimal floor space. The Memtek® E-Series systems incorporates proprietary crossflow tubular membranes which remove precipitated contaminants and produce a high quality filtrate suitable for discharge or further treatment.</p> <p>Please note the price incudes removal and loading - contractor quote is budgetary until scope clearly defined. Price may vary based on scope. We can also deliver to you.</p>	<p>Unrated</p> <p>MN</p>

Filters/Plate & Frame		5 Items
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Listed in Category Order. Click on an Asset Name for more details.

<p>Filter Press 200 sf Plate & Frame Asset ID: 7384 Durco Ascension</p>	<p>Durco plate & frame filter press 200sf</p> <ul style="list-style-type: none"> • Has 16 Polypropylene plates 32mm + head plate & tail plate, 8.5 cu ft cake capacity. • Plates are approx 30 in x 30 in = 200 sf surface area (will have to be verified). • Can dewater slurries from 3 to 30% solids - last used in biodiesel service. • Hydraulic cylinder closing ram. • Model EP-G800/32-16 EP Sidebar Filter Press, 100 psi. <p>Built in 2009, used 2 years then idled in 2011. New filter cloths were installed right before idling. Press is removed and ready to load.</p>	<p>Used - Good</p>
<p>Filter Press, Plate and Frame 50 sf Asset ID: 2120 Della Toffola</p>	<p>Della Toffola 16: x 16" Plate and Frame Filter Press</p> <p>Plate and Frame Filter Press with stainless steel framework. Manufactured by Della Toffola. Filter has 14 frames, each measuring approximately 1 7/8 inch wide and 15 plates, each measuring approximately 5/8 inch. Approximate filter area 50 sq ft.</p>	<p>Used - Very Good</p>
<p>Plate and Frame Filter Press 200 sf Asset ID: X2025 YingXinhuagong</p>	<p>Plate and frame filter press, hydraulic closure with hydraulic unit. Was operated with 25 plates - can hold up to 50 poly plates. Plates are 630mm x 630mm (2ft x 2ft). This press is shown with all 50 plates but 25 of these belong to the other press. - Chinese maker. Filter area 200 sq ft. (Max capacity 60 m2 = 645 sq ft). Estimated 1 inch to 1.25" cake so capacity is estimated at 8-10 cu ft. Serial 202104042 South one - Priced Separately</p>	<p>Used - Good</p>
<p>Plate and Frame Filter Press 200 sf Asset ID: X2026 YingXinhuagong</p>	<p>Plate and frame filter press, hydraulic closure with hydraulic unit. Was operated with 25 plates - can hold up to 50 poly plates. This press is shown with no plates but 25 will be furnished from the other press. - Chinese maker. Filter area 200 sq ft. (Max capacity 60 m2 = 645 sq ft). Estimated 1 inch to 1.25" cake so capacity is estimated at 8-10 cu ft. Serial 202104043 North one</p>	<p>Used - Good</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Plate and Frame Filter Press 2362 sf Asset ID: F3000 McLanahan</p>	<p>McLanahan Recessed Plate Filter Press 2362sf Like NEW</p> <ul style="list-style-type: none"> • These 4 presses were installed and tested - never ran in production • Polypropylene plates - plate size 2m x 2m (approx 6.5 ft x 6.5 ft). • Two presses have 151 plates for 1961 sq ft surface area. Press model pe035e34 • Two presses have 180 plates for 2362 sq ft surface area. Press model pe035e42 • Pressure rating at 200 psi • Approx size 843 inches long x 109 inch wide x 169 inch tall, weight each about 140 tons • Discharge opening 89 inch x 613 inch • Each press has integral hydraulic system <p>Overhead beam design. The Overhead Beam style results in faster opening and closing for greater production and better cake release in tailings applications. It also provides larger plate openings for better cleaning and maintenance access. Unlike the traditional plate and frame presses, McLanahan's Filter Press line features modern recessed plates or membrane plates, both of which create a chamber for dewatering the slurry without trapping the cakes within the frames. This allows the dewatered cakes to discharge more easily than with traditional plate and frame presses. McLanahan's membrane filter plates offer higher production rates for compressible slurries or slurries that require a cake wash or cake blow.</p> <p>Priced for the LOT - Qty (4) presses</p>	<p>New, Old Stock</p> <p>Indiana</p>
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Filters/Pressure Leaf		10 Items
<p>Filter Press 400sf Vertical Asset ID: 5720 LFC Lochem</p>	<p>LFC Lochem Carbon steel filter vessel. 4.5' diameter, 12' OAH. Surface area 38.5 sq m (400 sf). Model MV.DCD H350 138.5/15/SB. Includes 16" bottom butterfly valve, includes all leaves. Last used for soybean oil bleaching. This unit has been removed and will need reconditioning.</p>	<p>Good</p> <p>Kingston, Jamaica</p>
<p>Filter Press 86 sf Vertical Asset ID: 2021 Sharplex</p>	<p>Sharplex vertical filter presses with structural steel frames. Pressure leaf filters. Capacity 8 sq meters (86 sf) 6 bar at 150 C (90 psig at 300F). There are 3 of these filters - and a place in the structure for one more. Includes some leaves but new sets will have to be purchased. There are some instruments, valves, and small polish filters on these skids surrounding these filter presses - they are included. Includes the 16" butterfly valve on 2 of these filters. Quantity (3) filters in (2) structures. Package - All included in quoted price. Loading on your truck is free.</p>	<p>Used - Fair</p> <p>Iowa</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Filtration Skid - Pilot Size Asset ID: 7467 Leem</p>	<p>New Filtration Skid - Pilot Size</p> <p>Stainless Steel Skid mounted self contained filter skid. All wetted parts stainless steel 304 Leem Model 24-MVS-40 Vertical Tank, Vertical Leaf, Pressure Leaf Filter Skidded Unit. MAWP ASME and stamped - rated for 90 psig at 300F & Full Vacuum.</p> <ul style="list-style-type: none"> Filter vessel is 24" outside diameter with (6) 5-Ply Riveted filter leaves with PZ-80 outer filter cloth constructed of type 316ss on 3" spacing affixed to a common 304ss manifold pipe for 40 square feet (3.716 m2) of filter area. Constructed of type 304 stainless with top & bottom swing bolt closures, top to have a davit and hydraulic jack cover lift for ready access to the filter leaves and hinged bottom cover with a counterweight to facilitate filter cake removal. Includes all necessary ball valves, gaskets, and piping Slurry tank - 160 gallon pre-coat tank, motor & pump unit: 1x2-8 pump, 3500 RPM, 5 HP; Agitator: Neptune model NO. JG-4.0, gear drive mixer Control panel mounted to skid. Entire assembly mounted to 304 SS support skid. <p>Depending on the product being filtered, the amount of solids, and temperature of the product, the flow rate can vary through the filter. With a typical veg oil product with little solids (maybe 1-2%) the flow rate can be as high as 3,000 to 4,000 PPH. If used for tallow or other fats and oils that may have larger amounts of solids, the flow rate can drop to 2,000 PPH through the filter. Please allow 14-16 weeks for delivery ARO. Note: We can offer this unit as a Rental on a per month basis, first come, first served.</p>	<p>NEW</p> <p>New Jersey</p>
<p>Pressure Leaf Filter Horizontal 412 sf Asset ID: 2025B Industrial Filter</p>	<p>Reconditioned Industrial Filter Horizontal pressure leaf filter press, Model D, Series 60-4-16, Type 122.902, Filtration area 412 sq ft. Tank dia: 60 inches dia Includes Set of 16 filter elements (leaves) 5-Ply with wire mesh, All stainless steel leaves. Used leaves in great condition. Hydraulic power pack with oil reservoir and 5 HP pump, basic controls to open/close bundle of leaves and door. Pneumatically operated vibrator. Hydraulic cylinders with oil piping. A-frame and beams are included. Unit will be sandblasted, primed, and final painted.. Delivery approx 4-5 weeks. Quantity available (2). Priced separately, discount offered if both are purchased.</p>	<p>Reconditioned</p> <p>Texas</p>
<p>Pressure Leaf Filter Horizontal 516sf Asset ID: F20820 Industrial Filter</p>	<p>Horizontal pressure leaf filters - we have 4 available. Industrial filter press (used), Series 60-6-20 Horizontal pressure leaf filter. Has 516 sf filtration area. Built for a project in 1994 and never used. Note that these are NOT reconditioned - will need refurbishment. Type 122.902, Serial F-20818. ASME Nat'l Bd# 3627, rated at 70 psi at 310F. No A-frame or trolleys. No hydraulic power pack. No filter leaves. Approximate size 6 ft wide x 15 ft long x 8 ft tall, Empty weight 6800 pounds. See LINK for drawing is a representative filter - not the exact one. These are single filter units, not head-to-head. Price quoted is As Is loaded on your truck. NOTE: We actually have (4) of these filter shells. {F20818, F20819, F29820, F20821} - priced separately</p>	<p>Used - Good</p> <p>Texas</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Pressure Leaf Filter Horizontal 1615 sf Asset ID: F1201 Separatech</p>	<p>Horizontal Pressure Leaf Stainless Steel Filter 1615 sq ft NEW</p> <p>Separatech Filter Horizontal stainless steel pressure leaf filter press. Brand new, never used.</p> <ul style="list-style-type: none"> • Material of Construction stainless steel 304. Shell is epoxy coated. • Filtration area 1615 sq ft (150 sq m) Tank diameter 2000 mm diameter (6.5 ft) • Set of 33 filter elements (leaves) 316 stainless steel 5-Ply with wire mesh. Filter leaves are 59" square, leaf spacing 120mm (5 inches). Viton O-rings • Four external mounted wheel assemblies and hydraulic cylinder for door extension. Includes beams and trollies • Design as per ASME specifications, MAWP 6 kg/cm2 at 150C (85 psig at 300F). • Electro hydraulic power pack unit 3-phase/ 480v/ 60Hz motor including control valves, tubing, panel board for open / close bayonet wedge lock closure for shell retraction. • Control panel for hydraulics and pneumatic. 2 vibrators, safety valve • 1 set of seal parts • See drawing and filter specifications in Link <p>Free Shipping from China to any US Port Customs clearance and all fees paid. Immediately available - allow 4-6 weeks although West Coast could be sooner Shipping weight 18,000 lbs each. Both presses will fit on a 40 ft flat rack plus a 20 ft container for the trolleys, beams, hydraulic unit and other parts Two available (priced separately)</p>	<p>NEW</p> <p>China</p>
<p>Pressure Leaf Filter Horizontal 412 sf Asset ID: 2025C Industrial Filter</p>	<p>Industrial Filter Horizontal pressure leaf filter press, sold Used As Is. Model D, Series 60-4-16, Type 122.902, Filtration area 412 sq ft. Tank dia: 60 inches dia Includes Set of 16 filter elements (leaves) 5-Ply with wire mesh, All stainless steel leaves. Includes leaves. Hydraulic power pack with oil reservoir and 5 HP pump, basic controls to open/close bundle of leaves and door. We can replace hydraulic cylinders and seal at additional cost. Removed, ready to load for immediate delivery. Quantity available (2). Priced separately although we can give discount if both are purchased.</p>	<p>Unrated</p> <p>Texas</p>
<p>Pressure Leaf Filter ss Horizontal 500sf Asset ID: 1941 Industrial Filter</p>	<p>Horizontal pressure leaf filter. ONE (1) USED, As Is. Industrial Filter pressure leaf filter, horizontal tank, vertical leaves, all stainless steel product contact parts, 60" dia. Horizontal tank, rated for 70 psi @ 180 deg. F, ASME code with vibrator and hydraulic power pack. Unit is designed as dry cake discharge with quick opening cam lock door. Unit has overhead hydraulic ram for retracting door and leaf bundle and manifold.</p> <ul style="list-style-type: none"> • Series 60-3.5-19 Type 122.332 serial number F15401 • 500 sq ft surface area • Stainless Steel - all contact surfaces • Includes 19 stainless steel vertical leaves 44" x 44" • Includes hydraulic power pack 	<p>Used - Good</p> <p>Texas</p>
<p>Pressure Leaf Filter Vertical 385sf Asset ID: 1942 Velo</p>	<p>Vertical pressure leaf filter. ONE (1) USED, AS IS INDUSTRIAL PRESSURE LEAF FILTER, MFG. BY INDUSTRIAL FILTER, TYPE 122.332, SERIES# 60-3.5-19, APPROX. 500 SQUARE FEET SURFACE AREA, HORIZONTAL TANK, VERTICAL LEAVES, ALL STAINLESS STEEL PRODUCT CONTACT PARTS, 60" DIA. HORIZONTAL TANK, RATED FOR 70 PSI @ 180 DEG. F, ASME CODE WITH VIBRATOR AND HYDRAULIC POWER PACK. INCLUDES (19) 44"x44" STAINLESS STEEL VERTICAL LEAVES. UNIT IS DESIGNED AS DRY CAKE DISCHARGE WITH QUICK OPENING CAM LOCK DOOR. UNIT HAS OVERHEAD HYDRAULIC RAM FOR RETRACTING DOOR AND LEAF BUNDLE AND MANIFOLD, INCLUDES HYDRAULIC POWER PACK.</p>	<p>Used - Excellent</p> <p>Texas</p>

Listed in Category Order. Click on an Asset Name for more details.

Vertical Pressure Leaf Filter Asset ID: X2076	Vertical pressure leaf filter press with butterfly valve at discharge. Specs unknown - last used as diatomaceous earth cold soak filter	Unrated Mississippi
Filters/Reverse Osmosis		1 Items
RO Reverse Osmosis System Asset ID: 1923 Siemens	Siemens reverse osmosis system (RO). Two identical RO systems - each arranged in a 3-stage 5-3-2 array. Designed to treat process tertiary effluent water and supply demineralized water. Flow is 190 gpm at 55 psig. Filter cartridges with 5 micron pore size protect the membranes. The membranes reduce the total dissolved solids (TDS) of the incoming stream of 14,309 mg/l to 138 mg/l in the final product water. The membranes also reduce the TOC content by >80%. Has 4" inlet, 3" outlet permeate pvc flanges. The RO pump is designed for 190 gpm at 410 Ft TDH and is driven by a 75 HP motor 480v 3/60. Each RO has its own controls but the VFD is not included. Built in 2007, decommissioned in 2011. Still installed. Special note: Qty (2) completely separate systems - priced separately. If both systems are bought, we can give a \$10,000 discount from the total. Please note the price includes removal and loading - contractor quote is budgetary until scope clearly defined. Price may vary based on scope. We can also deliver to you. Spare set of membranes available.	Unrated MN
Filters/Special		1 Items
Seitz Filter 3 sq ft Asset ID: 2060 Seitz	Seitz Enzinger Noll filter press. Model EF60/65CB serial no. 963048 rated at 6 bar (90 psi). Removable filter plate, Surface area 0.29 sq m, 100 liter. Construction ss316 stainless steel. Chamber 24" dia rated at 6 bar (87 psi) jacketed for 6.5 bar (94 psi) with manual screw lift. Built 1989. Note: This filter had a chiller no longer available. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US
Filters/Strainer		5 Items
Basket Strainer Asset ID: 6003 Fluid Engineering	Fluid Engineering Series 105 Simplex Strainer. Cast 316 Stainless Steel. S/N 3100. 150 max pressure. Size 3.	Unrated Grant City, MO
Classifier Strainer Asset ID: CS-2101 SpecFab	Classifier Strainer by SpecFab. Size 14" dia x 11'-100 long face/face (14" sch 40S seamless pipe). Has internal screen assembly. Material ss304, horizontal on saddles. ASME MAWP 150 psig/FV at 300F. Used in Mash slurry tank systemr.	Unrated Vicksburg, MS
Fluid Strainer 12 inch Automatic Asset ID: FM-9501 Hellan Strainer Company	Hellan Fluid Strainers, wye configuration automatic. Part# SSP-A2D, Model 1201DA - Size 12" strainer with automatic self cleaning motors and control panel. Capacity 50 gpm, 100 micron screen. Housing is cast steel 125# class. Two 1/3 HP motors 1800 rpm. Control valve on discharge comes with control panel and -XM1 0.33 Hp motor. Used for CIP Filter strainer - located on top of TS-9501	Used - Good Canton, IL

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Listed in Category Order. Click on an Asset Name for more details.

<p><u>Fluid Strainer 12 inch Automatic</u> Asset ID: FM-9503 Hellan Fluid Strainers</p>	<p>Fluid Strainer by Hellan Strainer Company size 12" HP 0.33 Material 304 SS Model 1201DA140400XXX Has 2" flush valve Comes with Control Panel and two (2) motors, XM1, XM2 0.33 Hp each. Used as CIP Waste Filer strainer. Located on top of tank TS-5101.</p>	<p>Used - Good</p>
		<p>Canton, IL</p>
<p><u>Motorized Strainer</u> Asset ID: 7161 Fluid Engineering</p>	<p>Fluid Engineering Strainer Model 793, S/N 2919, Size 10, Max Pressure 150, Temp 32-150F, SS Mesh Screen, 1/16th in or 1575 Micron Equivalent</p>	<p>Used - Good</p>
		<p>Grant City, MO</p>

Gear Reducers		9 Items
<p><u>Expeller Vertical Hopper Feeder Drive</u> Asset ID: 6015 Anderson</p>	<p>Rebuilt Vertical Hopper Feeder Drive for 33 or 55 DUO Expeller</p> <ul style="list-style-type: none"> • Thrust Unit Housing, cleaned, Sandblasted and Primed. • Thrust bearing. • Front and Back End Bearings. • Crown & Gear set. • Seals and Gaskets. 	<p>Unrated</p>
		<p>Ft. Worth, TX</p>
<p><u>Gear Box for Paddle Mixer</u> Asset ID: H117</p>	<p>Gear box for double shaft paddle mixer. Rebuilt.</p>	<p>Unrated</p>
		<p>Grant City, MO</p>
<p><u>Gear Reducer, Right Angle</u> Asset ID: GR103 Marley</p>	<p>Marley Gear Reducer, series 27A. Ration 8.66/1. Serial # 10976, with Marley fan blade clamp fastener. For 12 blades. Originally a right angle gearbox for a cooling tower - can be used for any right angle gear reducing by taking off the top fan blade holder bracket. Has been reconditioned - ready to run.</p>	<p>Reconditioned</p>
		<p>Grant City, MO</p>
<p><u>Gear Reducer, Right Angle</u> Asset ID: GR104 Western Gear</p>	<p>Gear Reducer by Western Gear Corporation. Ration 8.42-1. Frame FWD-55, sn# 654. Set up for 6 blades. Originally a right angle gearbox for a cooling tower - can be used for any right angle gear reducing by taking off the top fan blade holder bracket. Has been reconditioned - ready to run.</p>	<p>Reconditioned</p>
		<p>Grant City, MO</p>
<p><u>Gearbox, Falk</u> Asset ID: B2112 Falk</p>	<p>Falk gear reducer Parallel Drive reducer, Model 445A3-CR. NEW, old stock. s/n 8000376. Input rpm 1750, ratio 37.96. output rpm 46.1. rated at 250 HP.</p>	<p>New, Old Stock</p>
		<p>Peoria, IL</p>
<p><u>Gearbox, Falk</u> Asset ID: B2103 Falk</p>	<p>Falk Gear reducer Model 2100FC2AC, s/n 06-031686-01. Input rpm 1750, ratio 17.29. output 101 rpm. Rated 309 HP. Includes double chain sprocket</p>	<p>Used - Good</p>
		<p>Peoria, IL</p>
<p><u>Gearbox, Falk</u> Asset ID: B2105 Falk</p>	<p>Falk gear reducer Model 445A3-CR. s/n 12-067283-01. Input rpm 1750, ratio 37.96. output rpm 46.1. rated at 250 HP. Reconditioned.</p>	<p>Reconditioned</p>
		<p>Peoria, IL</p>

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Listed in Category Order. Click on an Asset Name for more details.

Gearbox, Falk Asset ID: B2113 Falk	Falk Gearbox, Inline speed reducer. Includes double chain sprocket. Model 1080FZZA s/n 95-0A0584-01. Input 1750 rpm ratio 25.63, Output 68.3 rpm. Rated 40 HP. Shaft size input 2-1/4, output 3-1/2". Chain sprocket D200-18H	Unrated Peoria, IL
Gearbox, Lufkin Asset ID: B2093 Lufkin	Lufkin Gear reducer	Used - Fair Peoria, IL

Heat Exchanger/Condenser 13 Items

Condenser Asset ID: EP-2901 Jogler, LLC	Condenser. Jogler, LLC. SN 1802268-01. MAWP 50 psi at 150F. MDMT -20F at 50 psi. Part of FluidQuip SGT system Used as process building vent condenser.	Used - Good Vicksburg, MS
Condenser 1950sf Asset ID: 8069 Crown Iron Works	Unused Crown Iron Works stripper condenser 1950 sqft (181 sqmt) has (414) 3/4 inch (19.05 mm) diameter x 24 feet (7315 mm) long t304 stainless steel tubes rated 45 psi (3.1 bar). Has 24 inch (610 mm) diameter x 24 ft (7315 mm) long carbon steel shell rated 15 psi (1.03 bar). Was used as stripper condenser	New, Old Stock England
Condenser 374sf Asset ID: 8071 Crown Iron Works	Unused Crown Iron Works 374 sq ft (35 sq mt) horizontal condenser. Has (119) 3/4 inch (19.05 mm) diameter x 16 feet (4877 mm) long 304l stainless steel tubes rated -15/75 psi (-1.03/5.17 bar) design pressure at 250 deg F (121 deg C). Has 14 inch (356 mm) diameter x 16 ft (4877 mm) long carbon steel shell rated -15/165 psi (-1.03/11.37 bar) design pressure at 300 deg F (149 deg C). New 2004.	New, Old Stock England
Condenser 5088sf Asset ID: 8067 Crown Iron Works	Crown Iron Works condenser, NEW, Old Stock. Surface area 5088 sq ft (473 sq m) with (1080) 3/4 inch (19.05 mm) diameter x 24 ft (7315 mm) long ss304 stainless steel tubes rated 45 psi (3.1 bar) design pressure. Carbon steel shell 40 inch (1016 mm) diameter x 24 ft (7315 mm) long rated +/-1 psi (-0.06/0.06 bar) design pressure. New 2004. Was used as Desolventizer Toaster condenser.	New, Old Stock England
Condenser Reboiler 11,050 sf Asset ID: E-4101 DCR Construction	Reboiler, condensing heat exchanger horizontal shell & tube on saddles, mfg by DCR. Size approx 60" dia x 425" long. Has 1141 ss304 tubes 1.25" OD for surface area 11,050 sq ft. ASME NB# 233, MAWP shell 150 psig/FV at 400F & tubes 150 psig/FV at 300F. TEMA design NEM CLASS C. Material CS Shell/SS304 Tubes. Shell side saturated steam/tube side beer. Inspected, Reconditioned and repaired in 2015 - ran for only 3 more years. Used as Beer Column Reboiler sn 4101-7793.	Used - Good Vicksburg, MS
Condenser Vertical SS 1148sf Asset ID: 7893 Melter	Used condenser manufactured by Melter approximately 1148 sq. ft. surface area. Vertical 316L stainless steel shell and tube heat exchanger. Size 28" diameter X 7'-9" face to face length. Carbon steel shell rated 150 PSI @ 302 degrees F, Has (731) 3/4" OD 316L stainless steel tubes rated 116/FV@ 302 degrees F. S/N MDI-763-7, ASME NB# 401. Nozzles: (2) 3" service nozzles. (1) 4" and (1) 10" inlet and outlet on the process side. (4) 2" inlets and outlets for level and (2) 1.5" nozzles for temperature. Last used as a water stripper column condenser. We will hydrotest upon issuance of purchase order. Removed - ready to load.	Used - Good Texas
Condenser, Reflux 3187 sf Asset ID: E-4201 DCR Construction	Condenser. Heat exchanger vertical shell & tube design with skirt. 1 pass. Size 32" OD x 72" OD x 568" OAH (47.3 ft). Skirt height 165". Has 821 tubes ss304 at 0.75" for surface area 3,187 sq ft. sn 4201-7793 ASME NB# 230 MAWP 150 shell/ 75 tube psig at -20/300F. TEMA Design BEM CLASS: C. Material CS Shell/SS304 Tubes. Shell side cooling water, tube side reflux. 47 MMBTU. Used as Reflux Condenser.	Used - Very Good Vicksburg, MS

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Listed in Category Order. Click on an Asset Name for more details.

<p><u>Condenser, shell & tube 408 sf</u> Asset ID: E-2101 DCR Construction</p>	<p>Condenser. Heat exchanger Shell & Tube. Vertical. Size approx 16" O.D. dia x 136.6 " long. Heat transfer area 408 sq ft - Has (212) tubes at 0.75" OD x 120" long. ASME MAWP 150 shell / 75 tube psig at -20/300F. Design Class BEM CLASS: C, 1-pass heat exchanger. Material carbon steel shell/SS 304 Tubes. Sn 2101-7793. Cooling water on shell side and ethanol/air/water on tube side. This is a tank vent condenser (used for slurry mix tank TK-2101). Flat bottom sits on tank top TK-2101, vent inlet bottom 16" inlet/outlet vent top 4". Cold Water supply/return 4"/4". Vent opening in bottom. See condenser drawing in Link on web page.</p>	Used - Good
		Vicksburg, MS
<p><u>Evaporative Condenser 5013sf</u> Asset ID: 8066 Crown Iron Works</p>	<p>Unused Crown Iron Works approximately 5013 sqft (466 sqmt) 1st stage evaporator. T304 stainless steel tubes has (1064) 3/4 inch (19.05 mm) diameter x 24 feet (7315 mm) long 304 stainless steel tubes rated 15 psi/full vac (1.03 bar/full vac) design pressure. Has 58 inch (1473 mm) diameter x 24 feet (7315 mm) long shell rated +/-1 psi (-0.06/0.06 bar) design pressure. New 2004.</p>	New, Old Stock
		England
<p><u>Evaporator Condenser 9498sf</u> Asset ID: 8068 Crown Iron Works</p>	<p>Unused Crown Iron Works 9498 sqft (882 sqmt) 304 ss horizontal evaporator condenser. Has (2016) 3/4 inch (19.05 mm) diameter x 24 ft (7315 mm) long 304 stainless steel tubes rated 55 psi (3.70 bar) design pressure at 100 deg.f (38 deg.c). Has 56 inch (1422 mm) diameter x 24 ft (7315 mm) long shell rated +/-15 psi (-1.03/1.03 bar) design pressure at 212 deg.f (100 deg.c). 4 pass tube side, 2 pass shell side. New 2004. Vapor inlet 36:. Shell 56" OD x 24 ft. Overall size 6 ft top to bottom x 27ft-2" long, empty weight approx 32,970 pounds</p>	New, Old Stock
		England
<p><u>Flash Drum</u> Asset ID: 31-V-164 PPV Precision Pipe & vessel</p>	<p>Flash drum, Manufactured by Precision Pipe & Vessel in 2009 - ran 42 days only - like new. Physical size 72" dia x 11'-6" . Has demister pad at top of vessel. Has a 5'-6" skirt on bottom and a 4 ft top skirt for OAH of 20'-8" tall. Inlet 4", vapor outlet 1-1/2", liquid outlet 4". ASME rated MAWP 200/FV at 250F. Nat'l Bd# 879, s/n CV-0884. Material: carbon steel SA-516-70 with 2" insulation and ss covering. Note: Photos show both the flash drums stacked on top of each other. Part of module fp311. Used as Flash Drum, High Pressure</p>	Used - Very Good
		Soperton, GA
<p><u>Heat Exchanger, Shell & Tube 126sf</u> Asset ID: ET-4105 Yula</p>	<p>Condenser heat exchanger, shell & tube, vertical, Yula model WC-1F-72cs. TEMA type BEM. Capacity 0.35 MMBTUH. Material 304 SS/CS Mfg by Yula ser num 20086, ASME NB# 12473 MAWP shell 100 psi at 250F/tunes FV/100 psi at 250F. Size 14" OD x 122" OAL. TEMA type BEM. Heat exchange area 126 sf. One pass shell cs, 80 tubes 1" dia ss304L. U-1 form and drawing available - see link attachments. Last used as CO2 Flash Reflux Condenser</p>	Used - Good
		Canton, IL
<p><u>Reboiler Condenser ss 9424sf</u> Asset ID: ET-4103 Apache Stainless Equipment</p>	<p>Reboiler, vertical - materials shell & tube ss316/cs skirt. Capacity 25.3 MMBTUH. Size 4'-6" dia x 50 ft s/s . Has 8 ft cs skirt. Mfg by Apache ser num 11031-2 , ASME Nat'l Bd# 1528,MAWP shell 75 psi at 250F, tubes 25 psi at 250F. Has 600 tubes 1.5" dia x 40 ft long = approx 9,424 sq ft heat exchange area. Last used as Thermal Kinetics Stripper Reboiler/Alc. Reflux Condenser stainless. Sse drawings in Links</p>	Used - Good
		Canton, IL

Heat Exchanger/Immersion 1 Items

Listed in Category Order. Click on an Asset Name for more details.

<p>Circulation Heat Exchanger 40KW Asset ID: 2103 HEAT Exchange and Transfer</p>	<p>Circulation Heat Exchanger Package - Electric Immersion Heater 40KW</p> <p>Skid mounted Circulation Heater Package (CHP) is designed for the use of heating fluids in a self-contained packaged unit that is engineered for processing. The CHP Series of Custom Engineered, In-Line Electric Circulation Heater Package uses a flanged electric immersion heater as the heat source. Heat capacity 40KW (137,500 BTU/hr)</p> <p>Design Data:</p> <ul style="list-style-type: none"> • Model # CHP1036-40-59S-483, serial # 05-4901-1A, • Skid Mounted • Temperature Limit: 50F Min. / 300F Max • Pressure Limits: 0 psig Min. / 150 psig Max. • Initial Fill: 22 gallons, Inlet/Outlet connections 2" NPT <p>Operational Data:</p> <ul style="list-style-type: none"> • Fluid- Designed for Vegetable Oil but can be used with any liquid • Heater rating: Input heat 40.3 KW on 480v 3/60 48.5 FLA (137,500 BTU/hr) • Control panel with Watlow cycling high temperature limit switch and temp control <p>Utilities:</p> <ul style="list-style-type: none"> • Power supply- 480 V/ 3 Phase/ 60Hz; 125 Amp service • Electrical Classification- NEMA 12 	<p>Used - Very Good</p> <p>California</p>
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Heat Exchanger/Plate Exchanger		36 Items
<p>Heat Exchanger Plate Pack Asset ID: 2369 Alfa Laval</p>	<p>72 new plates for Alfa Laval TS20M heat exchanger. 316ss 0.6mm Flow Plate w/ EPDM Flow Gasket</p>	<p>Unrated</p> <p>Ohio</p>
<p>Heat Exchanger Plates (49) Asset ID: X-400P Alfa Laval</p>	<p>Approx 49 plates for Alfa Laval plate heat exchanger Model FC-500-WTFE - priced for the lot</p>	<p>Used - Good</p> <p>MN</p>
<p>Heat Exchanger, frame only Asset ID: ET-4113A Tranter</p>	<p>Tranter Superchanger plate heat exchanger - FRAME ONLY - plate pack gone. Original design: Model GFP-167-M-8-HP-55, capacity 4.47 MMBTUH Material 304 SS Design 50 psig / 220 deg F. 857 sf See link for drawing and U-1. Last used as Beer Preheater No. 1</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Heat Exchanger, frame only Asset ID: ET-4113B Tranter</p>	<p>Tranter Superchanger plate heat exchanger - FRAME ONLY - Plate pack missing. (original design was capacity 4.47 MMBTUH Material 304 SS Design 50 psig / 220 °F. See link for drawing and U-1. 857 sf Last used as Beer Preheater No. 2)</p>	<p>Used - Good</p> <p>Canton, IL</p>

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Listed in Category Order. Click on an Asset Name for more details.

Heat Exchanger, Plate Asset ID: X2088	Plate heat exchanger. Specs unknown - last used as oil dryer coolers. Qty (2) - priced separately..	Unrated
Heat Exchanger, Plate Asset ID: X2056	Plate heat exchanger. Specs unknown - last used as MRU Bio Cooler North	Mississippi Unrated
Heat Exchanger, Plate Asset ID: X2057	Plate heat exchanger. Specs unknown - last used as MRU Bio Cooler South	Mississippi Unrated
Heat Exchanger, Plate Asset ID: X2047 GEA	Plate heat exchanger by GEA. ASME Nat'l Bd # 2834. Specs unknown - last used as Heat Ex from MRU	Unrated
Heat Exchanger, Plate Asset ID: X2009 Dolphin Marine Services	Plate heat exchanger. Type P2 Fill, rated at 110C and 6 kg/cm2. Specs unknown - used as CFI Heat Exchanger	Unrated
Heat Exchanger, Plate Asset ID: X2010	Plate heat exchanger. Specs unnown - used as Next to CFI	Mississippi Unrated
Heat Exchanger, Plate Asset ID: X2021	Plate heat exchanger. Specs unknown - last used as Small Heat Exchanger Under glycerin colaescer Column	Mississippi Unrated
Heat Exchanger, Plate Asset ID: 2368 Alfa Laval	New Alfa Laval TS20M plate & frame heat exchanger with 72 plates.	Unrated
Heat Exchanger, Plate 277 sf Asset ID: X-410 Tranter	Tranter Plate & Frame Heat Exchanger, Model TW-108-HP-33. MAWP 150 psi at 250F; Surface area 277.8 sf w/approx 26 plates. Includes plates. Entire heat exchanger has been disassembled and repainted. Plates are stacked ready to ship.	Used - Very Good
Heat Exchanger, Plate 4448 sf Asset ID: 6013 Polaris	Used Polaris Plate Heat Exchanger. 304 Stainless Steel. Approximately 4,448.50 Square Feet. (330) Stainless steel plates. Rated 150 psi at 284 degrees F. (4) 12" diameter inlet/outlets. Flow rate 3600 gallons per minute. Maximum # of plates 348. Mounted on a painted carbon steel expandable frame. Serial# 11738. Built 2010.	Unrated
Heat Exchanger, Plate 539 sf Asset ID: X-400B Alfa Laval	Alfa Laval Plate & Frame Heat Exchanger, Model FC-500-WTFE., sn 30105-54317. MAWP 55 psi at 302F. Surface area 539.6 sf, (19) plates at 0.6 mm gap cassette. Frame will be cleaned and painted. Includes plates. Entire heat exchanger has been disassembled and repainted. Plates are stacked ready to ship.	Used - Very Good
		MN

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Heat Exchanger, Plate 880 sf Asset ID: X-405 Alfa Laval</p>	<p>Alfa Laval Plate & Frame Heat Exchanger, Model EC-500-WTFE, sn 30105-54319. MAWP 55 psi at 302F, Nat'l Bd# 15636 Surface area 880.4 sf with (31) plates. Plates are 0.6 mm plates cassettes. Includes plates. Entire heat exchanger has been disassembled and repainted. Plates are stacked ready to ship.</p>	<p>Used - Very Good</p> <p>MN</p>
<p>Heat Exchanger, Plate 114 sf Asset ID: E-2304 Alfa Laval</p>	<p>Alfa Laval Heat exchanger, plate. Surface area 113.7 sq ft. Plate gap 0.5 mm. Approx 100 to 150 plates. MAWP 150 psig at 32/320F. Model M10-MFG. Material ALLOY 316 sn30113-90890. Physical size 43.7" long x 18.5" wide x 42.7" tall. Mash mix side 1/water side 2. Mix flow rate 1700 lb/hr, water flow rate 38,000 lb/hr. Used as beer flash condenser. See drawing in Links. Still installed, removal extra.</p>	<p>Used - Good</p> <p>Vicksburg, MS</p>
<p>Heat Exchanger, plate 2,638 sf Asset ID: EP-3201A Tranter</p>	<p>Tranter plate heat exchanger 2638.3 sf area, 8.104 MMBTUH. Material 316ss. Model GFP-187-M-8-HP-159. ASME Nat'l Bd# 48165 sn 302. MAWP 150 psi at 300F. Has 159 plates. Built 2007, idled 2009. Used as Fermenter cooler 1 - see drawing in Links</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Heat Exchanger, plate 2,638 sf Asset ID: EP-3201C Tranter</p>	<p>Tranter plate heat exchanger 2638.3 sf area, 8.104 MMBTUH. Material 316ss. Model GFP-187-M-8-HP-159. ASME Nat'l Bd# 48181, sn 304. Has 159 plates. MAWP 150 psi at 300F. Built 2007, idled 2009. Used as Fermenter cooler 3 - see drawing in Links</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Heat Exchanger, plate 2,638 sf Asset ID: EP-3201B Tranter</p>	<p>Tranter plate heat exchanger 8.104 MMBTUH. Has 159 plates, surface area 2,638 sq ft. Material 316ss. Model GFP-187-M-8-HP-159. ASME Nat'l Bd# 48164, MAWP 150 psi at 300F. Built 2007. Idled 2009. Used as Fermenter Cooler 2 - see drawing in Links</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Heat Exchanger, Plate 336sf Asset ID: EP-2101 Tranter</p>	<p>Plate heat exchanger mfg by Tranter capacity 3.907 MMBTUH size 336.26 SF Material 316 SS/EPDM Model GXD-042-L-5-UP-73. MAWP 150 psi at 300F. 73 plates for 336 sf heat transfer area. Original design water to water heater. See link for data and drawing. This heat exchanger is open - some plates out - but plates and gaskets look good. Last used as Cook Water Pre-Heater. Idled 2009 - see drawing in Links</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Heat Exchanger, plate 436 sf Asset ID: EP-3101 Tranter</p>	<p>Tranter plate heat exchanger, capacity 1.29 MMBTUH size 436.95 SF Material 316 SS/EPDM Wide Gap exchanger Model GFP-187-M-8-HP-28. Designed to cool fermented Mash with water. Has 28 plates for 436 sf heat transfer area. See link for data and drawing. Idled 2009. Last used as Yeast Cooler - see drawing in Links</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Heat Exchanger, Plate 8 sf Asset ID: EP-4108 APV</p>	<p>APV Paraflow heat exchanger capacity 0.1 MMBTUH Material ss316 Plate. Design: 100 psi at 275F. Heat transfer area 8.3 sf. 51 plates. See link for drawing. Last used as Fusel Oil Exchanger</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Heat Exchanger, Plate 84 sf Asset ID: EP-2102 Tranter</p>	<p>Tranter plate heat exchanger, capacity 5.279 MMBTUH size 83.96 SF Material 316 SS/EPDM Model GCP-026-L-5-UJ-32. Original design was water heater - stem on one side, water on other side. MAWP 150 psi at 300F. 32 plates for 83.96 sf heat transfer area. See link for data and drawings. Last used as Cook Water Trim Heater</p>	<p>Used - Good</p> <p>Canton, IL</p>

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Listed in Category Order. Click on an Asset Name for more details.

<p>Heat Exchanger, Plate 94sf Asset ID: X2099 Alfa Laval</p>	<p>Alfa Laval plate heat exchanger model M10. Has 42 plates at 0.5 mm spacing for 94.7 sq ft surface area. MAWP 150 psig at 190F. Serial number 30115-74342. Excellent condition, lightly used in warehouse.</p>	<p>Used - Excellent Mississippi</p>
<p>Heat Exchanger, Plate ss 280 sf Asset ID: E-1513 APV</p>	<p>APV stainless steel plate heat exchanger. MAWP 200 PSI @ 320 F. MDMT -20 F @ 200 PSI. Surface area: 280 sq. ft. with 2" inlets/outlets. Includes 153 ss316 plates at 0.6mm thick. S/N 30326.1. Last used as a product cooler for ethanol. See drawing for more information.</p>	<p>Used - Good Grant City, MO</p>
<p>Heat Exchanger, Plate Widegap 934 sf Asset ID: E-2302A Alfa Laval</p>	<p>Alfa Laval plate heat exchanger, wide gap model 350S-FG Mash-473,500 lb/h, Water 1,188,000 lb/h. Has 110 plates for 934.8 sq ft surface area. Mat'l ss316. Serial number 30110-68345. ASME Nat'l Bd # 26343. MAWP 150 psig at 32 / 266F. Used as Mash Cooler #1. Still installed, removal extra.</p>	<p>Very Good Vicksburg, MS</p>
<p>Heat Exchanger, Plate Widegap 934 sf Asset ID: E-2302B Alfa Laval</p>	<p>Alfa Laval wide gap model 350S-FG Service: Mash-473,500 lb/h, Water-1,188,000 lb/h. Has 110 plates at 0.8 mm for 934.8 sq ft surface area. Mat'l ss316. Serial number 30110-68347. ASME Nat'l Bd # 26373. MAWP 100 psi at 200F. Used as Mash Cooler #2. Still installed, removal extra</p>	<p>Very Good Vicksburg, MS</p>
<p>Heat Exchanger, Plate Widegap 1600 sf Asset ID: E-4306 Alfa Laval</p>	<p>Alfa Laval Plate heat exchanger Widegap w/0.8mm plates Model 350S-FG. Size is 110" long x 45" wide x 126" tall. Has 1,600 sq ft surface area. Sn 30113-90891. ASME NB# 31400, MAWP 100 psig at 250F. Material alloy 316. Hot side ethanol 53,000 lb/hr/cold side water 125,000 lb/hr. Physical size 110.4" long x 45.4" wide x 126.4" tall. Used as Condensate Heater.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p>Heat Exchanger, plate widegap 2,702 sf Asset ID: E-2301 Alfa Laval</p>	<p>Alfa Laval exchanger. Model Widegap 350X-FG. Has 135 1.0 mm plates for 2702 sf heat transfer area. Alfa Laval sn 30110-69196, Built 2007. ASME NB# 26752, MAWP 150 psi @ 275F. Idled 2009 Last used as Beer/Mash Exch 1 - see drawing in Links</p>	<p>Used - Good Canton, IL</p>
<p>Heat Exchanger, Plate Widegap 2772 sf Asset ID: EP-2302 Tranter</p>	<p>Tranter plate heat exchanger, capacity 11.725 MMBTUH size 2772 SF heat transfer area. 175 plates. MAWP 150 psi at 300F. Material 316 SS/EPDM Wide gap plate 0.8mm exchanger Model GFP-187-M-8-HP-75. Designed to cool cooked Mash using water. Last used as Mash Cooler, idled 2009. See drawing in Links</p>	<p>Used - Good Canton, IL</p>
<p>Heat Exchanger, Plate Widegap 3116 sf Asset ID: E-3104 Alfa Laval</p>	<p>Alfa Laval Plate heat exchanger Widegap w/0.6mm plates Model 350S-FG. Has 153 plates for 3,116 sq ft surface area. sn 30110-68348. ASME NB# 26374, MAWP 150 psig at 200F. Material alloy 316. Heat transfer 13.8 MMBTU. Hot side Beer mash 2 pass 1,548,000 lb/hr/cold side water 2 pass 917,000 lb/hr. Used as Fermentation Cooler #1. Still installed, removal extra.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p>Heat Exchanger, Plate Widegap 3116 sf Asset ID: E-3105 Alfa Laval</p>	<p>Alfa Laval Plate heat exchanger. Alfa laval Widegap exchanger with 0.6mm plates. Model 350S-FG. Has 153 plates for 3,116 sq ft surface area. sn 30110-68349. ASME NB# 26391, MAWP 150 psig at 200F. Material alloy 316. Heat transfer 13.8 MMBTU. Hot side Beer mash 2 pass 1,548,000 lb/hr/cold side water 2 pass 917,000 lb/hr. Used as Fermentation Cooler #2</p>	<p>Unrated Vicksburg, MS</p>

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Listed in Category Order. Click on an Asset Name for more details.

<p>Heat Exchanger, Plate Widegap 3116 sf Asset ID: E-3106 Alfa Laval</p>	<p>Alfa Laval Plate heat exchanger Widegap w/0.6mm plates Model 350S-FG. Has 153 plates for 3,116 sq ft surface area. sn 30110-68350. ASME NB# 26392, MAWP 150 psig at 200F. Material alloy 316. Heat transfer 13.8 MMBTU. Hot side Beer mash 2 pass 1,548,000 lb/hr/cold side water 2 pass 917,000 lb/hr. Used as Fermentation Cooler #3. Still installed, removal extra.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p>Heat Exchanger, Plate Widegap 934 sf Asset ID: E-3102 Alfa Laval</p>	<p>Alfa Laval Plate heat exchanger Model Widegap 350S-FG. Has 50 plates at 0.6 mm for 934.8 sq ft surface area. Sn 30110-68346. ASME NB# 26344, MAWP 150 psig at 32 / 266F. Material alloy 316. Hot side corn mash 310,300 #/hr/cold side water 271,700 #/hr. 3 pass. Material stainless steel 316. Physical size 108" long x 46.6" wide x 126.4" tall. Used as Yeast Prop Cooler #1. Still installed, removal extra.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p>Methanol Condensor Asset ID: X2053</p>	<p>Plate heat exchanger used as a methanol condenser. Specs unknown</p>	<p>Unrated Mississippi</p>

Heat Exchanger/Radiator		2 Items
<p>Vapor Condenser ss 3769 sf Asset ID: ET-4301 JD Cousins</p>	<p>JD Cousins Vapor Condenser - Tube bundle in rectangular case for use in tower with 2-75HP fans. Capacity 4.8 MMBTUH Material tubes ss304L/CS. 180 tubes at 2" OD each x 480 in long = approx 3,769 sq ft heat exchange area. - rectangular size approx 66" x 66" x 480" long. Heat exchange area 2160 sf. Mfg by JD Cousins ser num 606-6, ASME NB# 7996 MAWP tubes FV/35psig at 250F; See link for drawings and U-1 form. Last used for Vapor Condenser for regenerated material at DDE cooling tower.</p>	<p>Used - Good Canton, IL</p>
<p>Vapor Condenser ss 8377 sf Asset ID: ET-4204 JD Cousins</p>	<p>Vapor Condenser - Tube bundle in rectangular case for use in tower with 2-100HP fans. Capacity 45.7 MMBTUH Material ss304L tubes - 400 tubes at 2" OD x 480" long = approx 8,377 sq ft heat transfer area. Mfg by JD Cousins ser num 606-5A, ASME NB# 7997 MAWP Design: FV/25 psig at 250F. There are 2 sets of these tube like condensers priced separately - sn 606-5A and sn 606-5B. See links for drawings and U-1A forms. Last used as open style vapor condenser on DDE cooling tower.</p>	<p>Used - Good Canton, IL</p>

Heat Exchanger/Scraped Surface		3 Items
<p>Scraped Surface Heat Exchanger Asset ID: 7145 Votator</p>	<p>Cherry Burrell Votator Scraped Surface Heat Exchanger 6x72 single barrel - Shown As Is but we can recondition if needed. S/N 3455353. Direct Driven by 20HP motor, 1755 rpm/230 rpm out. All wetted surfaces are stainless steel 304, barrel is Chromium plated Nickel. Has 4 rows of ss blades (24 total). MAWP shell 250 psig at 375F/-20F, jacket 150 psig at 375F/-20F. Heat exchange surface area 9 cu ft. Gear reducer Reynold ser No. 3455353, size 5. ratio 7.63:1, output 230 rpm. Volume in tube (product) 880 cu in, volume in jacket 1080 cu in. Physical weight of cylinder & tube is 1100 pounds. Total weight with frame & motor is approx 2500 pounds. Price includes removal & loading on your truck Sold As Is Where Is however, this unit can be reconditioned for additional cost. Cleaned, painted, inspected, new seal, new bearings - 3 month guarantee material and workmanship. New blades and barrel re-chrome are extra options</p>	<p>Used - Fair Grant City, MO</p>

Listed in Category Order. Click on an Asset Name for more details.

<p><u>Scraped Surface Heat Exchanger 9sf</u> Asset ID: 7107 Cherry Burrell Votator</p>	<p>Cherry Burrell Votator Scraped Surface Heat Exchanger 6x72 single barrel. Used. Model 6SSHE, S/N 90294EC, Mfg Number 00-17418, A5136. This unit has a BWS jacket suitable for brine, water, steam. Last use was to cool lecithin edible oil with cooling water. Driven by Blue motor 20HP motor 460 3/60 with 1755 rpm/230 rpm out. All wetted surfaces are stainless steel 304, barrel is Chromium plated Nickel. Has 4 rows of ss blades (24 total). MAWP shell 250 psig at 375F/-20F, jacket 150 psig at 375F/-20F. Heat exchange surface area 9 sq ft. Gear reducer Reynold ser No. 3455353, size 5. ratio 7.63:1, output 230 rpm. Volume in tube (product) 880 cu in, volume in jacket 1080 cu in. Physical weight of cylinder & tube is 1100 pounds. Total weight with frame & motor is approx 2500 pounds. Sold As Is - we can recondition for you for additional. See drawings in LINK. Price includes removal & loading on your truck Sold As Is Where Is however, this unit can be reconditioned for additional cost. Cleaned, painted, inspected, new seal, new bearings - 3 month guarantee material and workmanship. New blades and barrel re-chrome are extra options.</p> <ul style="list-style-type: none"> • Photos show unit as-installed, and as-removed now in lay down yard ready to load. • We have two of these units - see also asset number 7108 	<p>Used - Good Ft Worth, TX</p>
<p><u>Scraped Surface Heat Exchanger 9sf</u> Asset ID: 7108 Votator</p>	<p>Votator Scraped Surface Heat Exchanger 6x72 single barrel. Used - Model 1C672L, S/N 35464VA. This unit has a BWS jacket suitable for brine, water, steam. Lat use to cool lecithin edible oil with cooling water. All wetted surfaces are stainless steel 304, barrel is Chromium plated Nickel. Has fours rows of ss blades (24 total). MAWP tube 400 psi at 375F/-20F, jacket 150 psig at 375F/-20F. Heat exchange surface area 9 sq ft. Volume in tube (product) 910 cu in, volume in jacket 2,000 cu in. Driven by 20 HP black motor 460 3/60 with 1755 rpm/222 rpm out Physical weight of cylinder & tube is 1150 pounds. Total weight with frame & motor is approx 2500 pounds. See drawings in LINK. Price includes removal & loading on your truck Sold As Is Where Is however, this unit can be reconditioned for additional cost. Cleaned, painted, inspected, new seal, new bearings - 3 month guarantee material and workmanship. New blades and barrel re-chrome are extra options.</p> <ul style="list-style-type: none"> • Photos show unit as-installed, and as-removed now in lay down yard ready to load. • We have two of these units - see also asset number 7107 	<p>Used - Good Ft Worth, TX</p>

Heat Exchanger/Shell & Tube		21 Items
<p><u>Condenser, shell & tube</u> 12,595 sf Asset ID: E-4504 DCR Construction</p>	<p>Evaporative Condenser, stainless steel heat exchanger, mfg by DCR Construction. Insulated Horizontal shell & tube heat exchanger, 1 pass. Vapor inlet 54" and 4"/outlet 6" to evap vacuum eductor VE-4505. Cooling water inlet/outlet 30"/30". TEMA style NEM. ASME Nat'l Bd# 238, MAWP shell 150 psi/FV at 200F, tubes 50 psi/FV at 300F. Sn 4504-7793. Size 72" OD x 264 inch long tube area and 447.8" OAL Has 1785 tubes at 1.25" OD for 12,863 sf area. Sized for condensing air & water vapor at 60.6 scfm at 105F.outlet to vacuum eductor. Horizontal, on saddles. Built 2008. Mat'l shell cs, tubes ss304. Still installed and difficult to reach. Weight 63,056 pounds.</p>	<p>Very Good Vicksburg, MS</p>
<p><u>Heat Exchanger, Plate</u> Asset ID: X2098 GEA PHE</p>	<p>GEA PHE plate heat exchanger, Model NT150, serial number EIA-160/50072. MAWP 150 psig at 300F. 88 plates (dimension 12.7 inches). Excellent condition, lightly used in warehouse.</p>	<p>Used - Excellent Mississippi</p>
<p><u>Heat Exchanger, Shell & Tube</u> Asset ID: EP-2801 Enerquip</p>	<p>Vertical Tank heater. Shell & Tube heat exchanger, insulated. Enerquip SN 18303. ASME Nat'l Bd# 15963 MAWP . Used as Polisher feed tank heater, Was part of FluidQuip BOS system.</p>	<p>Unrated Vicksburg, MS</p>

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Listed in Category Order. Click on an Asset Name for more details.

<p><u>Heat Exchanger, Shell & Tube</u> Asset ID: X2017 Plant Maintenance</p>	<p>Shell & Tube heat exchanger. Must measure size but approx 1 ft dia x 8 ft long. Specs unknown - Last used as Heat Exchanger Next to Glycerin Tanks</p>	<p>Unrated Mississippi</p>
<p><u>Heat Exchanger, Shell & Tube 1819sf</u> Asset ID: 8084 Thermotran</p>	<p>Heat Exchanger, Mfg by Thermotran. Tube & shell material both are carbon steel. MAWP: Shell Pressure 150 psig at 150F. Tube Pressure 1040 psig at 355F. Arrangement is 2-pass shell and 2-pass tubes. Has 340 tubes 0.75" dia x13 feet. Heat exchanger overall length 18.75 feet. Shell 2 ft-10" dia x 1/2 inch thick. ASME NB# 139, S/N H-1441. Inlet/outlet 10". Designed for 306,500 #/hr water shell side at 630 gpm. Designed for syngas tubeside 107,813 #/hr. Heat exchanged 9.2 MMBTU/hr. See link for U-1 and heat exchanger drawing.</p>	<p>Unrated Texas</p>
<p><u>Heat Exchanger, Shell & Tube 203 sf</u> Asset ID: 41-E-108 HED</p>	<p>Heat exchanger shell & tube TEMA design NEU. Heat exchange area 203 sq ft. Material carbon steel tubes/shell. ASME MAWP tubes 1650/FV at 550F and shell 1750 psig at 550F. Physical size 13" dia X 12 ft long. Designed for 8.8 MMBTU/hr, Stm 487/487F, Syn Gas 120/360F. Tube size 1/0.109, 3550 #. For a capacity of 83 gallons. Built by Heat Exchanger Design (HED) in 2009 - like new. Nat'l Bd# 2231, sn 4017B. Last used as Syngas Preheater. We have U-1A - see links. (Part of module fp413). Still installed and will require plant to "safe" the piping to disconnect. Might not be available or could take a while to get it removed. Please inquire.</p>	<p>Used - Very Good Soperton, GA</p>
<p><u>Heat Exchanger, Shell & Tube 2151sf</u> Asset ID: 41-E-112 HED</p>	<p>Heat exchanger shell & tube TEMA AEU design. U-tube type, Heat transfer area 2151 sq ft, ASME MAWP tubes 1650 psig/FV at 385F, shell 150 psig at 250F. Nat'l Bd # 2932, serial# 4017C. Rated for 98 MMBTU/hr, Water 90/110F, Reactor Effluent 300/105F. Material 304L stainless steel tubes/CS shell. There are 325 tubes sized 5/8" OD with 0.065" wall, Physical size 25" dia x 20 ft. Manufactured by Heat Exchanger Design (HED) in 2009. Physical weight 16,620 pounds. Ran 42 days - like new. We have U-1A - see Links. (Part of module fp413)</p>	<p>Used - Very Good Soperton, GA</p>
<p><u>Heat Exchanger, Shell & Tube 5861 sf</u> Asset ID: 31-E-188 Heat Exchanger Design Inc.</p>	<p>Shell & tube heat exchanger, Heat transfer area 5,861 sq ft, Physical size 38" dia X 28 ft long. Material shell KCS (killed carbon steel)/tubes carbon steel SA179. Rated at 450 psig 4.02 MMBTU/hr, HP Solvent 36/102, Lean Solvent 121/46F. TEMA type BFU, 2-pass shell side, 2-pass tube side. Manufactured by Heat Exchanger Design in 2009 - ran only 42 days - like new. ASME MAWP 450/FV at 350F, Nat'l Bd# 2891, s/n 4015. Has (611) 3/4" tubes. We have drawings and U-1A - see Links. Used as Solvent / High Pressure Liquid Exchanger on fp311.</p>	<p>Used - Very Good Soperton, GA</p>
<p><u>Heat Exchanger, Shell & Tube 829sf</u> Asset ID: 41-E-104 HED</p>	<p>Shell & Tube Heat exchanger manufactured by Heat Exchanger Design (HED) in 2009. Designed for 7.1 MMBTU/hr, Syn Gas 360/550F, Reactor Effluent 650/463F. Tema design NEN, 829 sq ft, 0.625/0.082, 10250 #. ASME MAWP tubes 1650 psig/Fv at 700F, and shell 1650 psig at 650F. Serial number 4017A, Nat'l Bd# 2930. Material Low Alloy: Shell A333 GR 11 high nickel content, tubes stainless steel A-213 Gr T11. Physical size approx 16" dia x 20 ft 11 in long. Tubes straight, 259 tubes at 5/8 in OD. Shell inlet/outlet 8 inch. Tube inlet/outlet 6 inch. Last used as Feed/Effluent Exchanger. See U-1 form in links. (Part of fp413 SynGas conditioning). Special NOTE: This heat exchanger is still installed in the system and will not be available for a few months until they can "SAFE" the system to remove. Check with us on availability and ship date.</p>	<p>Used - Very Good Soperton, GA</p>
<p><u>Heat Exchanger, Shell & Tube 1181sf</u> Asset ID: E-7201X DCR Construction</p>	<p>Heat exchanger shell & tube by DCR. Size 28 OD" x 159" long, horizontal on saddles, insulated. Has 615 ss304 tubes at 0.75" OD for surface area of 1,181.1 sq ft. sn 7201-7793 ASMA NB# 214 MAWP 150 shell/ 150 tube psig at -20/400F. TEMA Design BEM CLASS: C. Material CS Shell/SS304 Tubes. Shell side steam/tube side beer Used as Flash Recovery Condenser</p>	<p>Used - Good Mississippi</p>
<p><u>Heat Exchanger, shell & tube 1190 sf</u> Asset ID: ET-4114 Yula</p>	<p>Yula Corporation shell and tube heat exchanger, capacity 1.8 MMBTUH Model WC-1L-168BBS. Sn 20085. Mfg by Yula ser num 20085, ASME Nat'l Bd# 12472, MAWP shell 170 psi at 360F, tubes 80 psi at 350F Material shell cs, tubes ss 304L. 377 tubes 7/8" dia material ss304L. TEMA type BEM Size 24" OD x 206: OAL - expansion joint in middle. Heat exchange area 1190 sf. Last used as 92% Vapor Superheater. Idled 2009 - see drawing in Links</p>	<p>Used - Good Canton, IL</p>

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<p><u>Heat Exchanger, Shell & Tube 135 sf</u> Asset ID: 31-E-236 Precision Pipe & Vessel</p>	<p>Shell & tube heat exchanger, Surface area 135 sq ft, physical size 10 in dia x 8.5 ft long. Designed for 1.44 MMBTU/hr, operating pressure 80 psig. Shell side Steam 324psi/307F, tube side HP Solvent 102psi/125F. ASME rated at shell 150 psi at 400F, tube 200 psi at 250F. TEMA Design NEN. Has 81 tubes 3/4" 14 gage tubing, 0.75/0.083, empty weight 1913 #. Manufactured by Precision Pipe & Vessel in 2009 - ran only 42 days - like new. Material: shell is seamless pipe carbon steel SA-106 grade B, tubes are carbon steel 14 gage. We have drawing in Links. Used as High Pressure Liquid Heater on fp311. Still installed - allow 2-3 weeks for removal and loading.</p>	<p>Used - Very Good Soperton, GA</p>
<p><u>Heat Exchanger, Shell & Tube 280sf</u> Asset ID: 31-E-234 Precision Pipe & Vessel</p>	<p>Shell & Tube heat exchanger, Rated at 800 psi 0.364 MMBTU/hr, Treated Gas 21/100F, Raw Syn Gas 110/64F. Shell & tube, TEMA design NEN, 280 sq ft, 0.75/0.065, 3237 #. Physical size 10 in dia x 23 ft 5 1/8 inch long. On channel saddles 2'-6". ASME MAWP 800/Fv at 350F shell, 800/fv at 250F tubes. Manufactured by Precision Pipe & Vessel (PPV) in 2009. Material tubes 304L Stainless/shell CS. Insulated calcium silicate. See drawing in Links. Used for Gas Clean-up Feed/Effluent Exchanger. Part of fp311. Still installed - will be difficult to remove.</p>	<p>Used - Very Good Soperton, GA</p>
<p><u>Heat Exchanger, shell & tube 285sf</u> Asset ID: ET-9501 Protherm</p>	<p>Shell & tube heat exchanger mfg by Heat Transfer Systems. Size 14" dia x 13'-11" OAL. Type BEM. Heat Transfer ser num 12910, ASME NB# 1777, MAWP shell 150 psi at 350F/tubes 125 psi at 350F. Material shell cs/tubes ss316. Capacity 5.137 MMBTU. Has 145 tubes at 3/4" OD for 285 sf heat transfer area. See links for drawing and U-1 form. Last used as CIP Heater</p>	<p>Used - Good Canton, IL</p>
<p><u>Heat Exchanger, shell & tube 3322 sf</u> Asset ID: E-4205 Harris Thermal Transfer</p>	<p>Condenser Heat exchanger shell & tube, Size approx 32" ID x 251" long with expansion joint. Hung vertical with lugs. Has 940 ss316 tubes 3/4" OD x216" long for heat transfer area of 3322 sq ft. MAWP 100 psia & FV shell/ 35 psig & FV tube 6t -20/320F. Heat exchanged 25.5 MMBTU. TEMA Class BEMCLASS: C. Material Shell CS SA-516 Gr 70/Tubes SS316. Sieve feed 12" nozzle & 4" low proof out on tube side (190 proof ethanol). Steam on shell side 8" steam in/4" steam out. Used as Mole Sieve Vaporizer Condenser sn 25944.</p>	<p>Used - Good Vicksburg, MS</p>
<p><u>Heat Exchanger, shell & tube 3483 sf</u> Asset ID: E-4401 DCR Construction</p>	<p>Condenser. Heat exchanger vertical shell & tube design with skirt. 1 pass. Size 36" OD x 257" long with 48" cs skirt for approx 305" OAH (25.4 ft). Skirt height 48". Has 1127 tubes ss304 at 0.75" for surface area 3,482.9 sq ft. sn 4401-7793 ASME NB# 223 MAWP shell 75 psig/FV at 300F/tubes 150 psi/FV at 300F. TEMA Design BEMCLASS: C. Material SS 304 Shell/SS304 Tubes. Shell side final product vapor, tube side cooling water. Used as final product condenser.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p><u>Heat Exchanger, shell & tube 63sf</u> Asset ID: ET-4205 Yula</p>	<p>Yula shell & tube heat exchanger Model WC-1E-48CS. TEMA Type BEM. Mfg by Yula ser num 20083, ASME NB# 12470 MAWP shell 100 psi at 250F/tubes FV/100 psi at 250F. Capacity 0.1 MMBTUH Material shell cs/ tubes ss 304L Size 12.75 inches OD x 48 inch tube length x 82 inches OAL. Heat exchange area 63 sf Lugs for vertical hanging. See links for drawings and U-1 form. Last used as First Effect Vent Condenser.</p>	<p>Used - Good Canton, IL</p>
<p><u>Heat Exchanger, Shell & Tube ss 102sf</u> Asset ID: 8138 Paul Mueller</p>	<p>Paul Mueller Company Heat Exchange Tube. Stainless steel shell and tubes ss304. Brand NEW - never used, stored in warehouse. Style TEMA BEM. Size 6-5/8" OD x 247" OAL. (6" ID x 240" tube length). Built 2006. ASME Nat'l Bd # 42489, S/N 357149-16. MAWP shell 125 psi @ 600F, tubes 150 psi @ 400F. NEW. 26 Tubes at 0.75" OD x 240" for 102 sf heat exchange surface area. Inlet/Outlet flange connections all are 2". Empty weight: 607 pounds.</p>	<p>New, Old Stock Pennington Gap, VA</p>
<p><u>Heat Exchanger, Shell & Tube ss 22sf</u> Asset ID: E-7707 Thermal Transfer Products</p>	<p>Shell & tube heat exchanger by Thermal Transfer Products. Material ss316, model SSC-1260-6-6-F. Four pass exchanger with 3/8" ss316 tubes. Surface area approx 22 sq ft. MAWP shell 300 psig at 300F/tubes 150 psig at 300F. Sn 788112. Size 6.25" OD x 66" long. Tube side connections 3" screwed / shell side connections 2.5" NPT. Can handle flows from 20 gpm to 110 gpm. See brochure for rating. At 60 gpm, can remove 85 HP of heat (216,000 BTU. Used as Gluco system Heat Exchanger.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p><u>Reboiler condenser ss 4712 sf</u> Asset ID: ET-4104 Apache Stainless Products</p>	<p>Reboiler, vertical on skirt. Shell & tubes ss304L, skirt cs. Capacity 11.4 MMBTUH. Mfg by Apache ser num 11031-3, ASME NB# 1524, MAWP shell 75 psi at 250F, tubes 25 psi @ 220F. Size 3'-8" dia x 50 ft s/s with 8 ft cs skirt. Has 300 tubes 1.5" dia x Tube length 40 ft. = 4,712 sq ft heat exchange area. See link for drawings. Last used as Thermal Kinetics Stripper Reboiler/Anhydr. Reflux Condenser stainless</p>	<p>Used - Good Canton, IL</p>

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Reboiler Alcohol Condenser 1400sf Asset ID: ET-4102 Thermal Kinetics</p>	<p>Thermal Kinetics Alcohol Column Reboiler capacity 43 MMBTUH Material 304L tubes/cs Shell. shell and Tube; TS: 75psig, 300F; 150psig, 300F. Size 3'-6" dia x 15'-10" s/s with side. Tubes 12 ft long. - approx 300 tubes for approx 1400 sq ft heat transfer surface area. (No drawing - surface area estimated). Support lugs. Used as reboiler for alcohol column</p>	<p>Used - Good Canton, IL</p>
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HVAC 1 Items

<p>Cooling Tower Asset ID: CT-7101 SPX COOLING TECHNOLOGIES</p>	<p>SPX Marley cooling tower, 2 cell 163.5 MMBTU 17,500 gpm. Includes (5) circulating pumps 5,185 gpm each 350HP 4160v and 1 20HP booster pump, sn F467B-50-02.</p>	<p>Unrated Vicksburg, MS</p>
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Infrastructure 1 Items

<p>Metal Building DDGS Loadout Asset ID: BL-8421 Sentinel</p>	<p>Metal building - steel frame with metal siding - spans 40ft x 80 ft open area x 30 ft tall, approx 3,200 sq ft. Not insulated. Open on each end for rail car or truck loading access. Currently used as a DDGS loadout system.</p>	<p>Used - Good Canton, IL</p>
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Instrument 2 Items

<p>Dryer Instruments Asset ID: VK-2027</p>	<p>Listing of all instruments on Ring Dryer asset DR-5201. Approximate count 350. See Excel spreadsheet in link. Part of ring dryer DR-5201 and not sold separately at this time. For a list of all components, enter dr5201 in search box.</p>	<p>Unrated Vicksburg, MS</p>
<p>Isolated Signal Converter Asset ID: S2000 Adtech</p>	<p>Adtech powered isolated signal converter, model SCT 502 snap track mounting. Input 4-20 maDC, output 4020 maDC. Power 115 vac. The Adtech Model SCT 502 AC powered Isolated Signal Converter provides a user configurable solution for ground loops and problems encountered in connecting together recorders, process control systems, computers, DCS and PLC systems. The SCT 502 breaks the galvanic path between the transmitted signal and the output receiving device insuring reliable and accurate signal transfer. Qty (10) - priced separately</p>	<p>Used - Very Good Jacksonville, IL</p>

Instrument/Flow Flume 1 Items

<p>Parshall Flume Asset ID: 1668</p>	<p>Parshall Flume NEW 3 inch Parshall Flume flow measurement device. Can handle flow rates from 12.5 gpm up to 835 gpm with an accuracy of +/- 2-5%. The Parshall Flume is an economical and accurate way of measuring water flow in open channels and non-full pipes. Fiberglass. Was to be used for waste water treatment flow but never put into service. On pallet - ready to ship</p>	<p>NEW Indiana</p>
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Instrument/Flow Meter, Mass 5 Items

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

Mass Flow Meter 1" Asset ID: SM01 Micro Motion	Micro Motion 1 inch mass flow meter with transmitter. Model DL100S202SU, Serial 239517. DL sanitary series. Originally calibrated for 53 gpm oil. Sensor attached to flow meter, sn 2395175. Includes transmitter model RFT9739E4SUJ sn 7016482 - for transmitting to plc or touch screen. Suitable for max flow 800 lb/min. (If Oil at 7,9 lb/gal - max flow 100 gpm). This is a used mass flow meter - we will clean recondition and calibrate to your liquid with warranty 24 months. Allow 3 to 4 weeks ARO	Reconditioned
		Jacksonville, IL
Mass Flow Meter 1/4 in Asset ID: S3101 Micro Motion	Micro Motion 1/4 inch mass flow meter DS series, stainless steel 316. Meter Model DS025H999SU, ser 214093. Sensor mounted on meter. Temp range from -240 to 177 C.	Used - Excellent
		Jacksonville, IL
Mass Flow Meter 2" Asset ID: 1959 Micro Motion	Micro Motion Coriolis mass flow meter Model R200S41-4188, Size 2". Serial number 14102359. All wetted parts stainless steel 316L. Transmitter is 1700 single variable field mount transmitter with back lit dual line display. Last used in margarine service. Sold As Is but we can recondition for you for extra - ask for a quote. Reconditioning will include cleaning, pressure testing, calibrating to your specifications, transmitter testing, and warranty.	Used - Good
		Jacksonville, IL
Mass Flow Meter 2" Asset ID: 1450 Micro Motion	Micro Motion mass flow meter with transmitter. Model CMF200M418PU. Remanufactured. Material: 316L, size 2" x 1 1/2" 105# weld neck RFF. Nominal flow rate 105,000 lb.hr, max flow rate 192,000 lb/hr. Transmitter is remanufactured model RFT9739MVD, 4-20 ma HART protocol. Allow 2 weeks ARO for shipping.	Remanufactured Rebuilt
		Louisiana
Mass Flow Meter 4" Piping ss (8) Asset ID: 1727 SWR	Mass Flow Meter NEW. Size 4" pipe flanged. SWR type DensFlow HD DN4, model 75-5080-11.2B or some are 75-5080-11.2C PN825. Process temp -10 to +120 C. Max pressure 1650 psi (110 bar). Output 24 vDC/0.3A. Made in Germany, distributed in USA. Stainless steel, ceramic lined. DensFlow is a measuring system specially developed for flow metering of solids in dense-stream conveying. DensFlow is used in the online measurement of powders or granules. Contactless measuring - no mechanics. Quantity (8) - priced separately	New, Old Stock
		Marissa, IL

Instrument/Flow Meter, Vortex 1 Items

Flow Meter Vortex Asset ID: S1209 Foxboro	Foxboro E83 L-1HS10SIT Flow meter Vortex, Ref. No. 92520464, Used. 10.5-50 VDC, MWP 100 psi @ 100F, Material A296-CF3M, Temp limit 0-400F; 1.5 inch diameter; 4-20 mA signal	Very Good
		Jacksonville, IL

Instrument/Flow Transmitter 2 Items

Flow Transmitter XP (DP) Asset ID: L214 Foxboro	Foxboro Differential Pressure Flow Transmitter with local readout with needle valves Model IDP10-T22B21F-M1L1. 3626 psi rating for explosive areas. Supply 12.5-42 vdc, Output 4-20ma. Calibrated for 0-150 in H2O. Ref. # 05280484. For use with orifice plate	Used - Very Good
		Jacksonville, IL
Transmitter for Mass Flow Asset ID: S2301 Micro Motion	Transmitter for Micro Motion mass flow meter. Elite Model RFT9739E4SUJ, sn 7016467. 85-250 VAC, 50/60 Hz, ,Explosion proof.	Used - Good
		Jacksonville, IL

Instrument/Level Transmitter 3 Items

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

Level Transmitter Asset ID: S1210 Foxboro	Foxboro Electronic level transmitter, 827DF-IS1NHSA1, Ref. No. 86N50387-1A2, 250 deg F max, 12.5-65 VDC, MWP 150 PSI, range 0 to 170 inches water (14 ft), 3" flange. Used	Good Jacksonville, IL
Level Transmitter XP Asset ID: L215 Foxboro	Foxboro Pressure Level Transmitter with local readout for explosive areas. Silicone interface 316L. Supply 12.5-42 vdc, Output 4-20ma. 07184443. ICP10-T22B21F-M1L1	Used - Good Jacksonville, IL
Level Transmitter, Radar Asset ID: S105 Vega	Vega Puls 65 (PS-65) radar level detector, RECONDITIONED. Quantity (1). Rod style radar transmitter - all wetted parts are PTFE. Range can be set up to 114 feet and accuracy to +/- 8mm (1/4 inch). Temp range -40 to 266F; 1.5" NPT, ANSI Flanges, 2 wire 4-20mA HART, measuring range 0-99'. Suitable for explosion proof environment Class I, Div II and dust environment Class II, Div 1. Reconditioned and Factory certified to be working to factory specs	Reconditioned Jacksonville, IL

Instrument/plc & HMI		2 Items
AB PanelView 900 Asset ID: H2007 Allen Bradley	Allen Bradley Panelview 900. Has 9 inch screen. Cat 2711-K9A2. Series F. Display is AC plasma monochrome 640 x 400 pixel resolution, it has 16 function keys with a keypad operator interface. Serial MK1LN91K, Operator Interface features a DH-485 communication port so the device allows connectivity with an SLC controller, a DH-485 network, a MicroLogix controller, or a Wallmount Power Supply. 100-240 vac 50/60 Hz. Display area 8.27 x 5.17 inches.	Used - Very Good Jacksonville, IL
Starter Panel Asset ID: X2037	Starter and I/O panel, 2-door. Spec unknown - last used as 51A	Unrated Mississippi

Instrument/Pressure Gauge		14 Items
Pressure Gauge & Vacuum 0-300 psi Asset ID: G11 Ashcroft	Ashcroft General Service pressure gauge Model 45-1010-A-02L-30IMV&300#. 4 1/2 inch dial, 1/4 inch NPT Lower connection, 0-300 psi & 0-30 in Hg vac. 2 available, priced separately.	New, Old Stock Jacksonville, IL
Pressure gauge 0-100 Asset ID: G14 Ashcroft	Ashcroft pressure gauge 2 inch dial. 0-100 psig, brass 1/4 inch back connection	New, Old Stock Jacksonville, IL
Pressure gauge 0-15 psi Asset ID: G12 Ashcroft	Ashcroft pressure gauge 20W1005H 02L 15#. 2 inch dial, 1/4 inch NPT Lower connection, 0-15 psi	New, Old Stock Jacksonville, IL
Pressure gauge 0-160 psi Asset ID: G300 Ashcroft	Ashcroft 45-1279-AS-04B-160# Duragauge Pressure gauge. 4 1/2 inch dial, 1/2 inch NPT, Back connection, No fill (dry). 0-160 psig	New, Old Stock Jacksonville, IL
Pressure gauge 0-30 in Hg Vacuum Asset ID: G20 Ashcroft	Ashcroft Pressure gauge, 3 1/2 inch dial, 1/2 inch NPT Lower connection, Stainless Steel, 0-30 in. Hg vac.	New, Old Stock Jacksonville, IL

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Pressure Gauge 0-30 psi Asset ID: G500 Ashcroft</p>	<p>Ashcroft 25W1005 H 02B 30#. 2 1/2 inch, 1/4 in NPT Back mount, 0-30 psi</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Pressure gauge 0-30 psi Asset ID: G13 Ashcroft</p>	<p>Ashcroft pressure gauge 0-30 psig. Brass 1/4" male NPT.</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Pressure Gauge 0-300 psig Asset ID: G200 Ashcroft</p>	<p>Ashcroft 45-1379-AS-02B-300# Duragauge Pressure gauge. 4 1/2 inch dial, 1/4 inch NPT, Back connection, No fill (dry). 0-300 psig. Qty (2) available, priced separately.</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Pressure Gauge 0-60 psi Asset ID: G19 Ashcroft</p>	<p>Ashcroft Receiver Gauge 45-1279-AS-04L-LL-60#. 1/2 inch NPT Lower connection, Plus! Performance, 0-60 psi.</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Pressure Gauge 0-600 psig Asset ID: SJ208 Anderson</p>	<p>Anderson pressure gauge - NEW, in box. Range 0-600 psig, glycerin filled, 2 inch NPT connection. Model EL08201044111A, S/N 0920989. Quantity (2) - priced separately.</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Pressure Gauge, 0-160 psi Asset ID: 6057 Spirax Sarco</p>	<p>Spirax Sarco pressure gauge, 0-160 psi, 1/2 NPT Pressure gauge. New in box. Open box, old stock. 30604862/240610. Made in EU</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Pressure Gauges, Lot of 4 Asset ID: 6088 Trerice</p>	<p>Lot of 4 used Pressure Gauges. All 4 inch face</p> <ul style="list-style-type: none"> • Trerice pressure gauges (Qty. 2) 0-200 psi, 316ss tube and socket • Trerice pressure gauge 0-100 psi, 316ss tube and socket • 3D Accu-Drive pressure gauge, 0-100 psi, 316 ss socket, Inconel X-750 	<p>Used - Very Good Jacksonville, IL</p>
<p>Pressure Gauges, Lot of 7 Asset ID: 6085 Ashcroft</p>	<p>Lot of 7 used pressure gauges. Ashcroft Duragauge plus! - 4 inch face. 0-160 psi. AISI 316 tube and sockets. Priced for the LOT</p>	<p>Used - Good Jacksonville, IL</p>
<p>Pulsation Snubber Dampener Asset ID: G15 Ashcroft</p>	<p>Ashcroft Pulsation Snubber 1/2 - 1112 SG. Used for dampening and filtering. 1/2 inch, Stainless Steel, Porosity G - for use with air, steam, and gases. 2 available, priced separately</p>	<p>New, Old Stock Jacksonville, IL</p>

Instrument/Pressure Transmitter

7 Items

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

Pressure Transmitter Asset ID: 7316 Rosemount	Rosemount 3051 CD1A02A1AH2B1E5M5. 2000 psi pressure transmitter. S/N 1453072	Used - Good
		Jacksonville, IL
Pressure Transmitter Asset ID: S1201 Foxboro	Foxboro Pressure Transmitter, 841GM-BI1, Ref. No. 90F34640-8A6, 12.5-36 VDC output, MWP 100 PSI. Used.	Good
		Jacksonville, IL
Pressure Transmitter Asset ID: S2302 Foxboro	Foxboro Pressure Transmitter 821GM-DK1NM2, Ref No. 92480188; Used. MWP 150 PSI, supply voltage 12.5-42 VDC; 4-20 ma Output Measures pressure and transmits a proportional electrical signal.	Used - Good
		Jacksonville, IL
Pressure Transmitter Asset ID: S2303 Foxboro	Foxboro IGP10-020D1F-M2 Gauge Pressure Transmitter, Ref. no. 98134439, MWP 300PSI. Input 12.5 to 42 VDC, output 4-20 ma. 4 ma = 0 psi, 20ma = 100psi. Used.	Very Good
		Jacksonville, IL
Pressure Transmitter XP Asset ID: L218 Rosemount	Rosemount 3051 pressure Transmitter with local readout for explosive areas with Hart protocol. Output 4-20 ma. S/N 1594345 2B21AB4M5. 30 psi	Used - Good
		Jacksonville, IL
Pressure Transmitter XP Asset ID: L248 Foxboro	Foxboro pressure transmitter, rated for explosion proof environments CI 1 Div 1. Model IDP10-T22A21F-M1L1. Ref # 05390388. Supply 12.5 - 42 vdc, max psi 3626. Calibrated for 0 - 15: H2O. HART protocol.	Used - Good
		Jacksonville, IL
Pressure Transmitter XP Asset ID: L201 Rosemount	Rosemount Pressure Transmitter with local readout. 150 psi rating for explosive areas. Supply 10.5-55 vdc, Output 4-20ma. Calibrated for 0-10 psig. Rosemount 3051 with HART protocol. TG2A2B21AB4M5 S/N 1603634.	Used - Very Good
		Jacksonville, IL

Instrument/Temperature Transmitter		7 Items
Temperature Probe RTD Asset ID: 2452 Weed instrument	Weed Instrument temperature RTD Model 7E40A1/4150 Temp. probe up to 550F, (used)/ 1/4 probe x 12 inch long. With Crouse-Hinds head enclosure (1/2 CUAB 16). We have thermowells for these RTD's - sold separately. See thermowell asset number 1753. Quantity (32) - priced separately.	Used - Good
		Jacksonville, IL
Temperature Transmitter Asset ID: 6081 Foxboro	Temperature Transmitter - Foxboro micro processor based Temperature transmitter. Model RTT15-T1FSQTXF S/N 07390755 Range 0-200F. With Flanged Thermowell A/SA182F316/316L 2 x 150 BLRF B16.5 NACE SF7168. Unused NEW Old stock	New, Old Stock
		Jacksonville, IL
Temperature Transmitter Asset ID: 6109 Foxboro	Foxboro Temperature Transmitter RTT15-T1FLOTXF 0-300 degrees with Thermowell ANSI B16.5 2" 150#. S/N 08264716. Used	Used - Very Good
		Jacksonville, IL
Temperature Transmitter XP Asset ID: L231 Rosemount	Rosemount Temperature Transmitter for explosive areas. Supply 12-42.4 vdc, Output 4-20ma. Rosemount 3144P D1A1NAB4 S/N 0532711. Explosion proof Class 1 Div 1. 4 wire, 0 to 1000F	Used - Good
		Jacksonville, IL

Listed in Category Order. Click on an Asset Name for more details.

<p>Temperature Transmitter XP Asset ID: L220 Rosemount</p>	<p>Rosemount Temperature Transmitter for explosive areas. Supply 12-42.4 vdc, Output 4-20ma. Rosemount 3144P DIANAP4 S/N 0506717. 2 wire 0 to 1000F</p>	<p>Used - Good Jacksonville, IL</p>
<p>Temperature Transmitters (2) Asset ID: 6123 Foxboro</p>	<p>Lot of 2 used Foxboro RTT15 Temperature Transmitters. 0-200F Qty available (2) - priced separately</p> <ul style="list-style-type: none"> Foxboro RTT15-T1FSOTXF S/N 07390754 0-200F with Thermowell SA182 316/316L 2 x 150 BLRF B16.5 NACE SF7168 Foxboro RTT15-T1FSOTXF S/N 08121943 0-200F with Thermowell SA182 316/316L 2 x 150 BLRF B16.5 NACE MR0175 SF798B 	<p>Used - Very Good Jacksonville, IL</p>
<p>Thermowell Asset ID: 1753</p>	<p>Thermowell stainless steel 316 for 1/4" RTD probe. 3/4" FNPT and 1" MNPT x 9 inches long. Used. Fits the RTD we have for sale as asset number 2452. Qty (5) - priced separately</p>	<p>Used - Excellent Jacksonville, IL</p>

Lab		15 Items
<p>ALM for Particle Size Analyzer Asset ID: 2108 Beckman Coulter</p>	<p>Aqueous Liquid Module - add-on for Beckman Coulter Laser Diffraction Particle Size Analyzer Beckman ALM Model 6605638. The Aqueous Liquid Module (ALM) is intended for use with the Beckman Particle Size Analyzer LS 13 320 Optical Bench. It is capable of suspending samples in the size range of 0.017 µm to 2000 µm. The ALM is for</p> <ul style="list-style-type: none"> Samples requiring suspension in aqueous systems. Auto rinsing, auto filling and auto dilution for maximum speed and throughput Sample sonification for the ultimate dispersion control When coupled to the Auto Prep Station offers full automation <p>Beckman Particle Size Analyzer is also available - Sold Separately, see Asset 2442</p>	<p>Unrated South Dakota</p>
<p>Cell Counter Analyzer Asset ID: 2441 Beckham Coulter</p>	<p>Vi-CELL-XR Cell Analyzer Beckham Coulter Vi-CELL-XR Cell Analyzer. Serial # BCE9142. Analysis time is approximately 2.5 minutes, capacity is single or 12 position via autoloader. 1394 x 1040 digitizing resolution with an imaging technology of auto focus CCD array. Operating system is Windows 98, 2000, or XP. The Vi-CELL Cell Viability Analyzer provides an automatic means to perform the Trypan Blue Dye Exclusion method, allowing users to load up to 10 samples at once for easy and automated cell analysis. Vi-CELL software offers pre-programmed and customizable analysis options for consistent and accurate analysis of simple cell systems or your own cell line. The Beckman Coulter ViCell Cell Counter XR is an automated cost-effective means of determining cell concentrations and viability. This Vi Cell XR is a durable analyzer that is accessible to various skill levels. Performing the trypan blue dye exclusion method precisely and accurately is essential to the production of biopharmaceuticals and research concerning cell and tissue culture applications like recombinant protein. The automated trypan blue staining procedure can also be customized to accommodate complex samples like yeast or simpler systems like CHO cells. The Vi-Cell has a concentration range of 5×10^4 to 1×10^7 cells/mL, with a viability range of 0 to 100%, and can process up to 0.5ml on the 12-position autoloader.</p>	<p>Used - Good South Dakota</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Circulating Water Bath Asset ID: 2109 Thermo Scientific</p>	<p>Thermo Scientific TS-2866 Circulating Water Bath Model 265, Microprocessor control with digital LED display, Set temperature in 0.1°C increments. This Thermo Scientific® ELED Precision® digital circulating water bath has a 34.5L (9.1 gal) capacity. Requires 120V. Ideal for applications where temperature uniformity and control are critical, such as enzymes and serology. Includes a stainless-steel gable cover and diffuser shelf. Temperature controller provides ±0.05°C uniformity at 37°C and control resolution of ±0.05°C with stainless-steel gable cover. Microprocessor control with digital LED display. Quantity (2) - priced separately Note: one image is a representative catalog photo</p>	<p>Unrated South Dakota</p>
<p>Constant Temperature Bath Asset ID: X2028 Polyscience</p>	<p>Polyscience constant temperature refrigerated circulator. Low Profile. (-20C to 135 degree C) with temperature stability +/- 0.07 degree. Reservoir 7 liters (1.85 gallons). 120v. Refrigerant 134A. (215g) Serial 2C17802259. PolyScience Circulating Bath with MX Temperature Controller. It is intended for the precise temperature control of suitable liquids in a reservoir. Extremely easy to use and maintain, it combines design innovation with highly intuitive operation to deliver convenient and versatile liquid temperature control for a wide range of applications. Programmable controller.</p>	<p>Unrated Mississippi</p>
<p>Crude Fat Extractor Ankom XT15 Asset ID: 2102 Ankom</p>	<p>ANKOM XT15 Extractor Automated Crude Fat Extraction using Official Crude Fat Extraction Method AOCS Am 5-04 The ANKOM XT15 Extractor provides a solution for efficient and economical solvent extraction in fat/oil analysis. Fat ranges from 0% to 100% have been accurately determined using this procedure. The XT15's low cost provides an affordable high-volume solution while providing a rapid and high volume primary method for crude and total fat determination Filter Bag Technology simplifies handling and enables batch processing, allowing for the extraction of up to 15 samples at a time, 150 samples per day. The instrument's 90°C temperatures accelerate extraction kinetics, reducing most extraction times to under 40 minutes. Automatic solvent recycling and activated charcoal filter eliminates the need for a vent hood and reduces costs.</p> <ul style="list-style-type: none"> • Totally automatic operation • Up to 150 extractions per day • Closed system, no technician monitoring • Solvent recovery at a rate of >97% • Solvent usage per sample ~ 0.5 ml • No vent hood required • Can be used to calibrate NIR and other secondary methods <p>Quantity (3) - Priced Separately</p>	<p>Unrated South Dakota</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Lab Centrifuge Asset ID: 1090 Hettich</p>	<p>Rotofix 46 Benchtop Centrifuge</p> <p>Rotofix 46 Benchtop Centrifuge. Manufactured by Hettich. Model # 4600-01.</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Maximum Capacity 4 x 290ml • Maximum Blood Tubes 4 x 100ml • Maximum Conical Tubes 4 x 165ml • Ambient Temperature, 4000 rpm <p>The Hettich Rotofix 46 Benchtop Centrifuge, for use in the industrial and research laboratory, carries a wide range of accessories for both routine tasks and specialty applications. Based on the popular Rotofix series, the centrifuge is a robust and economical choice for Organic and Inorganic Chemistry, Preparatory and Analytical Chemistry, Electroplating, Petro-chemistry and Dairy.</p> <p>Note: one image is a representative catalog photo.</p>	<p>Used - Good</p> <p>South Dakota</p>
<p>Lab Hood, Filtered Asset ID: 2443 Labconco</p>	<p>XPERT Filtered Balance Systems Lab Hood</p> <p>XPERT Filtered Balance System With Guardian Airflow Monitor. Manufactured by Labconco. Model # 3950301. serial # 080587564. Power for fan and light Single phase, 115v, 14amp. Contains built in blower and exhaust HEPA filter</p> <p>Containment-enhancing features ensure that potent powders frequently found in pharmaceutical, dry chemical, and industrial hygiene applications are kept away from the operator.</p> <ul style="list-style-type: none"> • 3 ft wide and includes stand • No outside ducting required • Accommodate large analytical and micro balances • Intrinsically safe, negative-pressure design • Space-saving design—no separate filtered exhauster is required • Fluorescent lighting 	<p>Unrated</p> <p>South Dakota</p>
<p>Lab Refrigerator Asset ID: M16 Marvel Scientific</p>	<p>Marvel Scientific Refrigerator Model 3RWWR, S/N 20130912109H</p>	<p>Used - Good</p> <p>Morristown, IN</p>
<p>Moisture Analyzer Asset ID: 2063 Radwag</p>	<p>Moisture Analyzer Radwag Model MA 50.R. Maximum capacity 50g, heating with IR emitter. Repeatability +/- 0.05% and can read moisture content down to 0.001%. Power supply 100-240 vac 50/60 Hz. Consumption 450W. Physical size 470x380x336 mm, weight 4.8kg pk6020</p>	<p>Used - Good</p> <p>Northern US</p>
<p>O2 Analyzer Asset ID: S3205 Mettler Toledo</p>	<p>Mettler Toledo InTap 565 portable dissolved oxygen analyzer. Used. Unit powers up and analyzes. Believe it all works fine but have not tested - just needs calibrating by user</p>	<p>Used - Fair</p> <p>Jacksonville, IL</p>

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Particle Size Analyzer Asset ID: 2442 Beckham Coulter</p>	<p>Particle Size Analyzer Beckham Coulter Single Wave Length Particle Size Analyzer. Model LS113 320. 100/120/230/240 volts, 50/60Hz, 100 watts. The LS 13 320 Series offers the highest resolution, reproducibility and unsurpassed accuracy. It is able to measure unknown sample distributions without having the analyst guess the type of distribution mode to preprogram the instrument. Its state-of-the-art, laser-based technology permits analysis of particles without the risk of missing either the largest or the smallest particles in a sample Note: We also have the Aqueous Liquid Module (ALM 6605638) for this particle size analyser. Sold separately - see asset 2108</p>	<p>Used - Good South Dakota</p>
<p>Precision Balance Asset ID: M12 Mettler Toledo</p>	<p>Mettler Toledo Precision Balance Model AB104-S/FACT, S/N 1127392477. The Mettler Toledo AB104-S/FACT Analytical Balance is ideal for piece counting, percent weighing, dynamic weighing, or free factor use. Weight output can be read as g, kg, mg, carat, etc. Max capacity 110 g, readability 0.1 mg. Has glass draft shield with sliding doors. See brochure in Links.</p>	<p>Used - Good Morristown, IN</p>
<p>Precision Incubator 4.5 cu ft Asset ID: 1086 Thermo Scientific</p>	<p>Precision Incubator 4.5 cu ft### Precision Incubator. Manufactured by Thermo Scientific. Model # 51221093. Serial # 60101079. 4.5 cu. Ft. chamber volume with temperature range of Ambient +5c to 65c. Single phase. 120v, 50/60Hz, 2 Amp.</p>	<p>Used - Good South Dakota</p>
<p>Turbidimeter Asset ID: M15 Hach</p>	<p>Hach Laboratory Turbidimeter Model TL2300, tungsten lamp turbidimeter. S/N 2018050C0189. See brochure in Links.</p>	<p>Used - Very Good Morristown, IN</p>
<p>Water Bath Asset ID: M21 Revolutionary Science</p>	<p>Water Bath - Poly ProBath Model RS-PB-100 S/N 062411E4</p>	<p>Used - Very Good Morristown, IN</p>

Lab/Chromatograph & Mass Spec 1 Items

<p>Gas Chromatograph (2) Asset ID: 5538 SRI Instruments</p>	<p>Two SRI Instrument Gas Chromatographs. Model 8610C. Recently serviced by SRI - Oct 2019 (spent \$1,000 each on them to get tuned up to specifications). They have been idle since then. Can hold up to six detectors and five injectors, ambient to 400C temperature programmable column oven. Dimensions: 19"W X 13.5"H x 14.5"D. Most versatile and popular model of SRI GCs. Ambient to 400C column oven. We will provide crates for each and protect for shipping. Will include a few spare columns we still have, and the computer that drove this (no monitor). Qty (2) - priced separately but we offer 15% discount on total if both are purchased.</p>	<p>Used - Excellent Missouri</p>
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Machining 1 Items

Listed in Category Order. Click on an Asset Name for more details.

<p>Waterjet Cutting Unit Asset ID: 2727 KMT</p>	<p>KMT Hydroabrasive Waterjet Cutting Unit - Low Hours - Like NEW</p> <p>Specifically designed for either high pressure pure waterjet cutting and Hydroabrasive waterjet cutting. This sale includes the following:</p> <ul style="list-style-type: none"> Streamline VI 40 Intensifier 480v w/ 40 HP pump and starter IDE Abrasive System Kit 10/30 w Xfer/Feedline V Nozzles, adapters, tubing kit, HP gauge 100k psi, extended life diamond orifice Basic spares kit and tool kit <p>The STREAMLINE VI intensifier standard features:</p> <ul style="list-style-type: none"> Completely self-contained, minimum-footprint unit with built-in controls and motor starter Microprocessor control offers intelligent diagnostics Digital, color touch screen panel with choice of eleven languages Low voltage (24VDC) internal controls for safety Standard dual-pressure control to facilitate piercing and kiss cut applications- Standard high-pressure fluid or water leak detection Variable displacement, pressure-compensated hydraulic pump technology 60,000 psi design pressure Exclusive long, slow stroke to minimize cycling fatigue. Electronic reversing HYPERLIFE seals with superior 4-piece design Cartridge-type hydraulic seal that can be extracted from the outside to minimize down time Ceramic plungers. Patented "Quick Plunger Removal" without disassembly of the hydraulic cylinder Built-in, adjustable inlet water booster pump and filtration system with 10-micron double-length filter inlet water pressure sensors High efficiency, heat exchanger in recirculating pump circuit. Conveniently located Dump valve Enhanced maintenance features includes a separate hour counter, manual piston jog and alarm history Maximum orifice size .012" <p>Used only for testing. Unit only has 10-20 hours of use. Idle since 2016</p>	<p>Used - Excellent</p> <p>South Dakota</p>
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Material Handling		6 Items
<p>Compressor Oil Gas & Process Asset ID: B2096 Atlas Copco</p>	<p>Gas & Process Fluid VG 32 compressor oil, Atlas Copco PN6970390628 fill date March 5, 2021. NEW 55 gallon drum. Only one barrel remaning.</p>	<p>NEW</p> <p>Peoria, IL</p>
<p>Compressor Oil Turbo Asset ID: B2095 Atlas Copco</p>	<p>Atlas Copco compressor oil, Turbo Oil Plus, PN6970298402, VG46 55 gallon drums. Fill date was Mar 26, 2021. New. Qty (8) - priced separately</p>	<p>NEW</p> <p>Peoria, IL</p>
<p>Cyclone 10' dia Asset ID: CYVM-11</p>	<p>Cyclones approx 10 ft dia x 39 feet tall. There are (4) of these, priced separately - same design but two are opposite handed. Includes a header for a set of twor.</p>	<p>Used - Good</p> <p>Vicksburg, MS</p>

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Metering Bin Feeders Biomass Asset ID: TS-9141 EPI</p>	<p>Metering bin feeder originally for coal and lime but can be used for other biomass material. Includes screw conveyor with 5 HP motor VFD 1200 rpm. Includes diverter and chutes at infeed, and stoker assembly. There are 2 of these - Priced for BOTH. Weight of each feeder is approx 20.475 pounds. Built 2007 - used very little in 2008, idled in 2009. The entire system is available, however, we will sell equipment individually. See Simplified Flow Chart in Links for a pictorial of each piece in this system. For a list of all components, enter PK9140 in the search box</p>	Used - Good
<p>Preseparator Asset ID: VK-2026 GEA Barr Rosin</p>	<p>Preseparator 45" x 84". Overall Physical size approx 14' 4" wide x 18' 10" deep x 27' 4" tall. Weight 19,000 poundsr.</p>	Used - Good
<p>Stainless Steel 55 Gallon Drums Asset ID: 2051</p>	<p>55 gallon drums - stainless steel 304. Approx 11 drums with reinforcing bands, and 16 drums without reinforcing band. Drums have lids. Specify which kind - priced by the drum (minimum order 3 drums). Quantity (27) total. Pk6020</p>	Used - Excellent
		Northern US

Material Handling/Biomass Handling

1 Items

Listed in Category Order. Click on an Asset Name for more details.

<p>Plug Screw Feeder Asset ID: B-1011 Valmet</p>	<p>Valmet Plug Screw Feeder with Pre-Compression Screw and Shredder</p> <p>These units are NEW old stock, never used Designed for infeed raw material chips density 100 kg/m³, moisture content 20-48% Design flow rate 530 dry tons per day soft wood chips (500 BDST/D); Max capacity 1000 BDST/D; Turndown rate 50%</p> <p>Valmet plug screw feeder</p> <ul style="list-style-type: none"> • Fed by a pre-compression screw section, and 48" shredder at outlet • 850 HP Siemens motor 1750 rpm 460v 3/60 • Gear Reducer ratio 25:1. Nominal speed 69 rpm, range 35-105 rpm • Skid size approx 25 ft long x 7 ft wide x 4.6 ft tall. Total weight including motor 45,400 lb • Inlet 35.83" x 25.79" <p>Pre-compression screw</p> <ul style="list-style-type: none"> • Materials of construction stainless steel 304L for all contact parts • Sits on top of plug screw at 90 degrees with s 24" diameter- top force feed • Capacity Volume/Revolution inlet/discharge: 45 L / 22.5 L. Capacity / revolution at 110 kg/m³ = 5.46 BDST/D and net max capacity at 110 kg/m³ = 530 BDST/D • 250 HP motor 1750 rpm 460v 3/60 v-belt drive to gear reducer V-belt reduction 1:52 • Gear reducer SEW Eurodrive ratio 18:1. Final rpm nominal speed 65 rpm, range 45-97 rpm • Overall size approx 15.2 ft long x 7 ft wide x 5.8 ft tall, weight 17,300 lb • Outlet: 35.83" x 25.79" <p>T-Pipe 48" Shredder</p> <ul style="list-style-type: none"> • Fed from plug screw feeder 24" biomass inlet • MAWP 350 psig at 800F • 100 HP motor 1750 rpm 460v 3/60 • Gear reducer 8.9:1 for nominal 197 rpm • Shredder size approx 5 ft x 10.6 ft x 9.3 ft tall, weight 23,650 lb • Outlet 24" flange 600# <p>Condition - These units are sealed against weather, protected, and in long term storage inside a third party protected warehouse. No known refurbishment required - assets are sold As Is Where Is.</p>	<p>New, Old Stock</p> <p>Georgia, USA</p>
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Material Handling/Fork Lifts & Hoists		6 Items
<p>Chain Hoist 10 Ton Asset ID: B2073 Chester</p>	<p>Chester 10 Ton Chain Hoist with trolley, manual. Model Zephyr, SN ZLG-7176. NEW, Old Stock. Low headroom trolley hoist. Approx size for shipping 29" x 50" x 36" high</p>	<p>New, Old Stock</p> <p>Peoria, IL</p>
<p>Chain Hoist 10 Ton Asset ID: B2074 Chester</p>	<p>Chester 10 Ton Chain Hoist with trolley, manual. Model Zephyr, SN ZLG-7175. NEW, Old Stock. Low headroom trolley hoist. Approx size for shipping 29" x 50" x 36" high</p>	<p>New, Old Stock</p> <p>Peoria, IL</p>

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

Hoist 10 ton Asset ID: VK-2003 Harrington	Harrington hoist, rated 10 ton. Model 70SY7644. Sn122450. Pendant control. Includes travel motor and hoist motor. Beam not included. Last inspected 5/31/2018. Used as east centrifuge hoist. NOTE: This equipment is for sale but currently installed and not available until late 2023.	Used - Good
		Vicksburg, MS
Hoist 5 ton Asset ID: VK-1999 Harrington	Harrington 5 ton chain hoist serial number 184897. Electric with pendant. Last inspected 5/31/2018. Used in wet grind. NOTE: This equipment is for sale but currently installed and not available until late 2023.	Used - Good
		Vicksburg, MS
Lift Truck, Straddle Manual Asset ID: B2069 Beech Design & Mfg	Beech manual winch straddle crane lift. NEW, Old Stock. Model SMS-1000. Serial 030327. Lift truck capacity 1000 pounds, load center 13 inches, lift height 91 inches. Approx skid size for shipping 88 x 44" x 84" high. Made specifically for Siemens products.	New, Old Stock
		Peoria, IL
Lift Truck, Straddle Manual Asset ID: B2070 Beech Design & Mfg	Beech manual winch straddle crane lift. NEW, Old Stock. Model SMS-1000. Serial 035476. Lift truck capacity 1000 pounds, load center 13 inches, lift height 91 inches. Approx skid size for shipping 88" x 44" x 84" high. Made specifically for Siemens products.	New, Old Stock
		Peoria, IL

Material Handling/Hoppers & Weigh Scales 4 Items

Base with Load Cells Asset ID: AF3 Sartorius	Steel machine base with 3 load cells at 120 degrees apart. Base dimensions 80" x 80" on legs 28" tall. Construction is carbon steel 6" I-Beams. Load cells are Sartorius Type PR6011/30N by Sartorius Mechatronics, made in Germany. Rated at 10,000 kg each. New name Minebea Intec PR6011/30N. See dataweigh.com and brochure in Links.	Used - Fair
		Illinois
Bulk Weigh Scale Asset ID: BS-011 Compuweigh	Bulk weigh scale and tower. Sized for 15,000 bu/hr. With hopper and rotary valve. It has 3 chambers – upper garner stationary, a middle hopper on 4 load cells, and a lower garner that empties into the drag conveyor. This is a Compuweigh Model CWC-158S. S/N 4908. The CWC-158S will do 15,000 bu/hr. The upper garner is 240 cu ft, the weight hopper is 160 cu ft, and the lower garner is 200 cu ft. The slide gates are hydraulically driven. Hydraulic system is 5 HP motor 460/3/60, 8 gpm with 20 gallon tank. Scale Overall height is 27'-8" which includes 4' of upper garner extension. Tower size is 8' x 8' x 40' tall. Equipment does not include DWC-400. Compuweigh Shop Drawing 4909-158S60ST.	Used - Good
		Canton, IL
Hopper 590cf Asset ID: AF7	Hopper feeder with screw conveyor under (see asset F5). Carbon steel. Hopper size 122" x 122" x 41" deep with 45 degree slope 52" deep to flanged outlet slot. Approx capacity 590 cu ft. On legs 11 ft long for OAH approx 18.75 ft. Has bin vibrators on side and VibraRod vibratory level sensor on top. Closed top with approx 18" round inlet to accept drop from conveyor or feed.	Used - Good
		Illinois
Weigh Scale Asset ID: SC-1611	Weigh Scale. Upper garner, scale, lower garner. Hydraulic power pack 5HP for knife gate valves on both garners and scale hoppers. Still installed, removal extra.	Used - Good
		Vicksburg, MS

Material Handling/Load Out Systems 6 Items

Flare Package - Ethanol Truck Loadout Asset ID: FH-8210 John Zink	Flare package by John Zink Company. Flare includes Knock-out Pot capacity 70 gallons size 24" x 36" , Knockout Tank pump driven by 1.5 HP motor, flare stack 20" x 25', and flare blower Pennbarry DRM-DD-12 with a 1 HP 3500 rpm motor. Local controls. For drawing and data, see links. Used as Ethanol truck loadout flare.	Used - Good
		Canton, IL

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Flare Package for Dual Loadout System Asset ID: FH-8201 John Zink</p>	<p>Enclosed flare package designed by John Zink Company. VC Enclosed flare Model ZCT-1-4-25x1/6. This unit was designed for a loading rate of 1200 gpm of Ethanol with a max heat release of 5.2MMBtu/hr. Includes Flare Combustion Air Blower with 15HP motor, and Knock out pot 70 gallons size 24" x 36". Local controls. Sold as a set. Material cs. Used as flare for ethanol rail loadout.</p>	<p>Used - Good Canton, IL</p>
<p>Loading Station - Top, Dual Ethanol Asset ID: PK-8219</p>	<p>Two Station Liquid Load Out System Liquid Loadout system, TWO station originally designed for ethanol at 1200 gpm. Has 4 inch load out line with vent, two station loadout with cantilevered platforms & safeties, galvanized stairs, two OPW 4" swivels and loading arms, slide out platform, Ethanol Rail Loadout (2) station. Filter - Krystil Klear Filtration 150 psig @ 300F, (2) Meters, [The flare system is asset FH-8201 valued separately] This is a complete system. Controls not included. Built 2009 but not used. Currently set up on rail but can be used for rail or truck loadout. See link for GA drawing and schematic detailed information</p>	<p>Used - Good Canton, IL</p>
<p>Loading System Package - DDGS, solids Asset ID: PK-8420 DYNATEK & SLY</p>	<p>Biomass or Solids Load Out System 1500 cu ft/hr Package system: Mass Loadout system - last used for DDGS Rail or Truck Loadout Facilities. Includes 75 ft drag conveyor CON-013 delivering DDGS at 15,000 cfh (240 ton/hr), Dynatek articulated loading arm, two 30' drag conveyors feeding the spout, vertical pedestal structure, and pendant control - includes SLY model XP-12 loading spout. Includes control house inside (asset BL-8422) but not main building. We can include loadout building (see BL-8421) - priced separately. Load out for two rail or trucks spots side by side. We can mix and match components to align with your system needs. For a list of all components in this loadout system, enter "PK8420" into the keyword search box.</p>	<p>Used - Good Canton, IL</p>
<p>Loadout Spout Asset ID: SL-015 SLY</p>	<p>Sly XP bulk material loading spout - model XP-12. Has internal stacking cones to direct material flow. When used with a negative pressure dust collection system, it is truly dust-free. Rated at 240 tons/hr. See drawing link. Part of complete DDGS loadout system - Enter "PK8420" into keyword search box for system and all components.</p>	<p>Used - Good Canton, IL</p>
<p>Spout Loadout Asset ID: SL-9144 SLY</p>	<p>Truck loadout funnel - Extendable, electric pendant control. Designed for loading grain at 319 t/hr max. See link for drawing. Used at ash bin CoGen. Part of Silo TS-9143 and not sold separately.</p>	<p>Used - Good Canton, IL</p>

Material Handling/Mills & Hammermills		5 Items
<p>Fine Grind Air Swept Mill Asset ID: 2037 Stedman</p>	<p>Stedman fine grind air swept mill, Model Micro Max 5400. Carbon steel. Designed for 5-7 tons/hr of Hi-Cal limestone, feed size 3/8". Output was set at 200 mesh. Sometimes got to 300 mesh. Chamber approximate 55" diameter. Double rotor. Serial no. MM010. Driven by 400 HP motor 3/60/460v 1790 rpm. Comes with 400 HP soft start</p>	<p>Used - Good Illinois</p>
<p>Grinding Mill Asset ID: 7770 Sweco</p>	<p>Used Sweco model M60MS Vibro-Energy grinding mill. 62" diameter X 3' high grinding chamber with 316 stainless steel liner and solid 316 stainless steel cover. 2" product discharge. Heating or cooling panels between inner and outer shell. 10 HP, 3 phase, 60 cycle, 460 volt motor.</p>	<p>Used - Good New Jersey</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Pin Mill Impact Mill Asset ID: M2002 Sturtevant</p>	<p>Pin Mill - Centrifugal Impact Mill</p> <p>Sturtevant Model 3B Simpactor Mill, 16" diameter, carbon steel construction. Set up with 6" x 6" flanged inlet with 6" diameter center bottom discharge. Includes 2-part rotating discs, driven by 10 HP inverter motor, rated for 230/460 V, 3-phase, 60 Hz, 3425 RPM. Includes v-belt drive with guard. Serial number 504.</p> <p>The Simpactor® pin mill is a centrifugal impact mill that reduces low to medium density materials to uniform, fine particle sizes of 50-325mesh.The Simpactor® is used in milling applications where low maintenance and low wear are critical. Typical Simpactor® milling applications include food product processing such as corn fractionation, flours, starch densification, corn slurry, sugar and sweeteners. Semi-abrasive material applications including aluminum sulfate, fertilizer, gypsum, soda ash, deagglomerate powders including tungsten), talc, clay and kaolin</p>	<p>Used - Good</p> <p>California</p>
<p>Pin Mill Impact Mill Asset ID: M2003 Sturtevant</p>	<p>Pin Mill - Centrifugal Impact Mill</p> <p>Sturtevant Model 3B Simpactor Mill, 16" diameter, carbon steel construction. Set up with 6" x 6" flanged inlet with 6" diameter center bottom discharge. Includes 2-part rotating discs, driven by 10 HP inverter motor, rated for 230/460 V, 3-phase, 60 Hz, 3425 RPM. Includes v-belt drive with guard. Serial number 703.</p> <p>The Simpactor® pin mill is a centrifugal impact mill that reduces low to medium density materials to uniform, fine particle sizes of 50-325mesh.The Simpactor® is used in milling applications where low maintenance and low wear are critical. Typical Simpactor® milling applications include food product processing such as corn fractionation, flours, starch densification, corn slurry, sugar and sweeteners. Semi-abrasive material applications including aluminum sulfate, fertilizer, gypsum, soda ash, deagglomerate powders including tungsten), talc, clay and kaolin</p>	<p>Unrated</p> <p>California</p>
<p>Wood Grinder Asset ID: 7444 Arasmith Mfg</p>	<p>Wood Grinder</p> <p>Arasmith MFG. Co. - Service No. 34.30.HH.1517.596 14.HT.2ADW/8 HAS2</p> <ul style="list-style-type: none"> • Infeed opening 30" x 18" • Powered by 100 HP Lincoln AC Motor, TEFC Energy Efficient, RPM 1765, Frame 405T, Volts 230/460, Amps 226/113, 3 Phase, 60 Hz • Safety switches on all guards and doors to shut the machine off and not allow to turn on when guards or inspection doors are opened. • Wood Grinder has been reconditioned and owner says it is in great working condition. Customer will have to make that decision. We are selling As Is Where Is. • This grinder was being used to make mulch. 	<p>Reconditioned</p> <p>Illinois</p>

Material Handling/Rolling Stock 1 Items

<p>Flatbed Trailer Drop Deck Asset ID: AF98 Utility Trailer Corp</p>	<p>Semi trailer - Drop deck trailer for semi truck. Mfg by Utility Trailer Corp in 1983. Length 45 ft x 96" wide. GVWR 90,000 pounds. VIN 1UY FS2448 EA9783 09.</p>	<p>Used - Good</p> <p>Illinois</p>
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Listed in Category Order. Click on an Asset Name for more details.

Material Handling/Rotary Valves		5 Items
Rotary Valve (2) 20" Asset ID: RV-5202 Rotolok	Rotary motor driven airlock valve by Rotolok. Size 20" x 20" cast iron precision bore with stainless steel eight vane rotor open end adjustable for temps up to 194F. Driven by 2 HP motor 460/3/60 at 25 rpm. Used as RVAL-12 A and RVAL-12B under cyclone screw conveyer. Quantity (2) priced separately.	Used - Good Vicksburg, MS
Rotary Valve 14" Asset ID: RV-5207 Rotolok	Rotary motor driven airlock valve by Rotolok. Size 14" x 14" cast iron precision bore with stainless steel eight vane rotor open end adjustable for temps up to 110F. Driven by 1 HP motor 460/3/60 at 29 rpm. Used as RVAL-32 under baghouse.	Used - Good Vicksburg, MS
Rotary Valve 18" Asset ID: RV-5206 Rotolok	Rotary motor driven airlock valve by Rotolok. Size 18" x 18" cast iron precision bore with stainless steel eight vane rotor open end adjustable for temps up to 110F. Driven by 1.5 HP motor 460/3/60 at 24 rpm. Machine number 45RVSISA6B, ser num 52964. Used as RVAL-13 under fluid bed dryer.	Used - Good Vicksburg, MS
Rotary Valve 24" Asset ID: RV-5204 Rotolok	Rotary motor driven airlock valve by Rotolok. Size 24" x 24" cast iron precision bore with stainless steel eight vane rotor open end adjustable for temps up to 194F. Driven by 3 HP motor 460/3/60 at 25 rpm. Used as RVAL-13 under cyclone screw conveyer.	Used - Good Vicksburg, MS
Rotary Valve 30" Asset ID: RV-5201 Rotolok	Rotary motor driven airlock valve by Rotolok. Size 30" x 30" cast iron precision bore with stainless steel eight vane rotor open end adjustable for temps up to 194F. Driven by 3 HP motor 460/3/60 at 18 rpm. Machine number 75RVSISA6B, Type 39577, ser num 52964. Used as RVAL-11 PreSeparator airlock.	Used - Good Vicksburg, MS
Misc		3 Items
Ball Bearing Asset ID: O15 Rollway	Rollway Ball Bearing 6208NR. Radial/Deep Groove Ball Bearing-Round Bore, 40 mm ID, 80 mm OD. New - in box. New, old stock. 3 available, priced separately.	Unrated Jacksonville, IL
Blowdown Separator for 150 HP Boiler Asset ID: 8802	BLOWDOWN SEPARATOR One (1) reconditioned Blowdown Separator designed for the bottom blowdown rate of the 150 HP boilers, built to ASME Code Standards with a National Board stamp. It will be inspected, cleaned, and painted to match the boiler. The blowdown separator will be mounted on support legs. The blowdown separator can be ready to ship in 4 to 6 weeks.	Used - Excellent South Carolina
Throttle screw insert Asset ID: O46 Bosch	Rexroth Bosch 0821201106 Throttle screw insert, pneumatic replacement part. (2) available, priced separately	New, Old Stock Jacksonville, IL
Mixers/Blender		1 Items
Ribbon Blender, Double 155 cf Asset ID: 2044 Gurdin	Chuck Gurdin double ribbon blender mixer, stainless steel. Insulated. Also comes with load cells scale. Speed adjustable with VFD. Capacity 155 cu ft. Approx size 55" x 168" long x 90" tall. Drum dimensions 44" wide x 120" long x 53" high. Driven by 25 HP motor 1755 rpm with Dodge gear reducer. Part of an entire CBD extraction system - enter PK6020 to see all components.	Used - Very Good Northern US

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

Mixers/Paddle Mixer		2 Items
Paddle Mixer, Double Asset ID: X-5208 GEA Barr Rosin	Twin shaft paddle mixer, stainless steel. GEA Barr Rosin . Bed/Mixer size 68" wide x 26' long, Overall physical dimensions 36' 8" long x 8' wide x 9' 6" tall. Belt driven by 125 HP motor 1800 rpm frame 444T 460/3/60. Gearbox ratio 43:1 (885 rom to 21 rpm). Shaft rotational speed 21 rpm. We have drawing, available on request.	Unrated Vicksburg, MS
Paddle Mixer, Single 36" dia Asset ID: X-5207 GEA Barr Rosin	Single shaft paddle mixer. GEA Barr Rosin 36" bed/mixer x 26 ft long x 32 ft OAL. Driven by 75 HP motor 1770 rpm 460/3/60. Belt drive 3-groove for reducer ratio 43.5 for output 40 rpm. Overall dimensions approx 3 ft wide x 32 ft long x 4'8" tall. We have the drawing for this paddle mixer - available on request.	Unrated Vicksburg, MS
Office/Ink & Toner		1 Items
Toner Cartridge Asset ID: 1299 Katun	Toner Cartridge - Minolta DI-450/470/550 Katun Performance - 8936-902 Black (Copier)	Unrated Jacksonville, IL
Packaging		6 Items
CD Case Feeder Asset ID: E2363 EAM	CD Case Feeder; pneumatic on turn table; Manufactured by EAM	Jacksonville, IL
Chain Wheel Sprocket, Labeler Asset ID: O50 Krones	Chain Wheel / Sprocket 0002091838 1-703-29-038-0 for Krones labeler	New, Old Stock Jacksonville, IL
Dyna Pack (Hot Glue) Asset ID: 6150 ITW Dynatec	ITW Dynatec, Dyna Pack (Hot Glue), 4-line capability currently equipped w/ two (2) programmable heads (6 ft hose, Part # N2306, Serial No. 93468, 230 Volt), TPC-9 controller, Model No. 114231, S.N. 281382, 120-volt 6 Watt (adjustable delay, length of bead, skip, repeat). Was bought new in 2013	Used - Very Good Illinois
Reject Station Asset ID: E2360 Prox switch	Reject Station: Includes Proximity Switch, Air Knife, control box, and tripod stand on wheels - triggers a switch when metal is in close proximity. Last used to detect if CD's were in cases. If a CD was in the case, it would be blown off the line. Includes stand.	Jacksonville, IL
Reject Station Proximity Switch Asset ID: E2361 Turck	Reject Station: Includes Proximity Switch, Air Knife, control box, and tripod stand on wheels - triggers a switch when metal is in close proximity. Proximity switch is Turck BC20-Q20-AN4X2. Last used to detect if CD's were in cases. If a CD was not in the case, it would be blown off the line. Includes stand. Qty (5) of these available, priced separately	Jacksonville, IL
Shrink Tunnel Asset ID: E2355X Weldotron	Weldotron heat tunnel - Model 7121 S/N FW93271, 220 V, 35 amps, 1 Phase; Motor: 115V, 1 phase, 0.75 amp, 1/15 HP. Dimensions: 74"L x 34"W x 61"H. Tunnel passage width: 16" and height: 8". Versatile shrink tunnel designed to produce complete, uniform shrink on a wide range of product sizes and shapes.	Jacksonville, IL

Listed in Category Order. Click on an Asset Name for more details.

Packaging/Bag Inserter		1 Items
Bag Inserter Asset ID: 5978 Pearson	Pearson bag inserter - uses poly roll bags. Built 2001. Set up for 50# cube 12" x 12" x 12" box but can be adjusted. Built 2001. Believed to be Model BI-18. Size range L 9.5-24", W 9.5-17", H 10-24". Serial number 200119289647, 3HP 460/3/60. Built 2001. Idled early 2017. Pearson BI18 Bag Inserters open, insert, and cuff plastic bags from roll stock into a wide variety of corrugated cases at speeds up to 18 cases per minute. Equipped with bag opening carriage with vacuum cup assist, four corner cuffing rods and single head bag inserting head, PLC controller, vacuum pump, safety guarding and e-stop. Inserts pre-performed roll stock or gusseted bag stock into cases, filling all corners and cuffing the bag around the outer perimeter. Has a 36" web width with a 1-1/2" diameter spool. Has an Allen Bradley SLC 5/01 PLC. Advanced design features guarantee smooth and precise bag placement and handling. Removed, stored, ready to ship. Part of a complete 50# cube filling line. For a list of all components for this line - enter "5976cube" in search box.	Used - Very Good
		Jacksonville, IL

Packaging/Case Erector		1 Items
Case Erector Asset ID: 5977 Pearson	<p>Pearson Case Erector</p> <p>Automatic case erector for knock-down (KD) cases with magazine and hot melt bottom glue system. Set up for Left Hand (LH cases) - we have drawing</p> <ul style="list-style-type: none"> • Model CE-235 serial 200102359572, machine number 9572 • Rated speeds up to 35 cases / minute. • Feed from right to left when standing in front of machine name and electrical panel • Includes Probilt hot melt glue system, part No. D100-644, serial No. 3551211272 • Was erecting KD cases for 50# cubes 12" x 12" x 12" but can be adjusted. • Case size range: Can adjust to handle cases from 5 to 30" long, 5.5 to 16" wide and 3.5 to 24" tall • Driven by 1.5 HP motor 460/3/60 • In warehouse - ready to load <p>Part of a complete 50# cube filling line (Asset 5976) but will be sold separately. Entire line idled in 2017. Removed, stored, ready to ship. For a list of all components for this line - enter "5976cube" in search box.</p>	Used - Very Good
		Jacksonville, IL

Packaging/Case Sealer		2 Items
Case Sealer Uncuffer Asset ID: 5980 SV Dice	Case bag uncuffer and sealer. Model PDUC-UFC, sn 4374. Uncuffs poly bag from 50# cube box, folds bag in, tamps it down, and seals top with hot melt glue. Missing hot melt unit and plc from control panel - manufacturer still supports this machine. Part of a complete 50# cube filling line. For a list of all components for this line - enter "5976cube" in search box.	Used - Fair
		Jacksonville, IL
Case Sealer/Taper Asset ID: 6155 Loveshaw Corporation	Case Sealer/Carton Taper, The Loveshaw Corporation, Model 304/19, S.N. 159183300, 110 Volt, 9.6 Amp. Top & Bottom Sealing Heads, 2 in. x 6 ft. Side Pull Belts, Product Loading "anvil", unit currently has Lincoln Coder, Model 90-2L-I	Unrated
		Illinois

Packaging/Coder		1 Items
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S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Ink Jet Coder Asset ID: 6158 Videojet</p>	<p>Videojet 1550 (#3), Ink Jet Coding Machine, EXCEL Format, 120/240 Volt, 1Ph., 3 Amp, Serial No. 1404109C29ZH, Part No. 39582-793-01, w/infrared Fiber Optic Photocell (proximity), O.E.M. Mobile Stand, O.E.M. Static Printhead Stand. Running.</p>	<p>Unrated Illinois</p>
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Packaging/Complete Line 1 Items

<p>50 lb Cube Filling Line - stainless Asset ID: 5976</p>	<p>Filling line for 50lb cube boxes - stainless steel filler last used for margarine filling. Can be adjusted for other size boxes down to 25 lb. This is an automatic line. Control by Allen Bradley Control Logix plc (filler will have to be re-programmed. Can also be used for shortening filling. Rate was between 5 to 8 cases per minute depending on viscosity (if filling 50# boxes, rate would be 24,000 #/hr). Includes Pearson case erector for LH KD cases, Pearson bag inserter using roll bags, stainless 2-spout filler on Mettler Toledo load cells, and SV Dice uncuffer case sealer (missing plc and hot melt unit). Includes interconnecting conveyors. Line built 2001 - ran until early 2017. Stored in warehouse, ready to load. See marketing flyer. We have a dimension drawing for all major pieces. (5976Layout.pdf). For a list of all components for this line - enter "5976cube" in search box.</p>	<p>Used - Very Good Jacksonville, IL</p>
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Packaging/Filler - Fluid 3 Items

<p>Filler - 4 Head Stainless Asset ID: 7621</p>	<p>Bulk viscous material filler - 4 head. For viscous material including shortening and margarine. Stainless steel filler with controls, load cells, and 4 conveyors. Uses 4 Mettler Toledo load cells - controls included. Has 6 automatic ss valves, and 4 conveyor sections on load cells. Can also fill, 25# cube boxes, 50 # cube boxes, 5 gallon (35 lb) pails, 25 kg boxes. Could be adapted for gallon and 1/2 gallon containers and smaller. Stainless so can be used with margarine, butter, or any other viscous product. Ladder logic control included - paper & electronic. Filler control panel measures 3 ft x 7 ft x 1 ft deep. Will have to be reprogrammed. In warehouse - ready to load</p>	<p>Used - Very Good Jacksonville, IL</p>
<p>Filler, Viscous Fluid Asset ID: 5942</p>	<p>Filler for 50# cubes - 2 heads. Stainless steel, automatic valves, extrusion valve for shortening or margarine. Two load cells Mettler Toledo, Model IND131, Max load 50kg. Controlled by Allen Bradley touch screen Panelview 1500. Has Allen Bradley Compact Logix plc. Will require re-programming of the logic. Includes Little David Microjet coder and Diagraph IV700 case coder. Capacity 5 to 8 cases per minute depending on viscosity. This is a weigh filler controlled by Mettler load cells. Last used to fill boxes of margarine (12" x 12" x 12") but can handle any viscous fluid. Part of a complete 50# cube filling line. Built 2001. Idled early 2017. Removed, stored, ready to ship. For a list of all components for this line - enter " 5976cube " in search box.</p>	<p>Used - Very Good Jacksonville, IL</p>
<p>Pail filler, Liquid - Stainless Asset ID: 7622 Neupak Weigh Master</p>	<p>Neupak Weigh Master Pail Filler, 2 nozzle Neupak with load cell control for viscous liquids (no load cells included). Stainless steel piping and nozzles. Was last used for filling 5 gallon shortening pails but can handle other size pails or boxes. Controls included in separate control cabinet with Allen Bradley plc SLC 504 CPU. serial # M65301. Unit is in 2 pieces. Shipping sizes: filler 32 x 48 x 80 inches tall, control cabinet 40 x 48 x 96 inches tall.</p>	<p>Used - Very Good Jacksonville, IL</p>

Packaging/Metal Detector 2 Items

<p>Metal Detector Asset ID: 5072 Eriez Manufacturing Co.</p>	<p>Eriez Flow Through Metal Detector. Model EZ-DSP7.25LPVR, Style 9911198. Serial #191777 Approximate 6" diameter tube with diverter valve. Mounted on a stainless steel frame</p>	<p>Unrated Illinois</p>
<p>Metal Detector Asset ID: 6152 LOCK Inspection Systems</p>	<p>LOCK inspection Systems, Met 30+, 3 1/2 in. x 14 in. aperture mounted on conveyor last used with a V/fff/s machine. Conveyor is 12 in x 10 ft. long horizontally-transitioning to 68 inch long incline where the metal detector is located. Intralox modular conveyor belt. Horizontal section is 6 inches above floor and raises to discharge height of 40 inches. Currently using 1.5 MM NFe, 1.2 MM Fe, 2.0 MM SS</p>	<p>Unrated Illinois</p>

Listed in Category Order. Click on an Asset Name for more details.

Packaging/Vertical Form Fill		3 Items
<p>Bartelt Form Fill Seal Packager Asset ID: 6125 Bartelt HMC</p>	<p>Bartelt Form Fill Seal Packager</p> <ul style="list-style-type: none"> • Model RH IM 7-12 (7 inch-12 station) w/All Fill B 350E auger filler • E.M.P. registration control unit • Equipped with side seal embossing and mechanical hole punch • Machine No. 580 • Idled in 2018 - still installed in protected area. We will remove and load for no charge <p>It has the position for a second filler head. We have run an additional auger filler in that position as well as a volumetric filler in that position. Tear notch and various types auger tooling setups also available separately. Choose from 2 in., 3 1/2 in., 4 in., or 6 in. bag clamps. Very reliable packager. 3 phase 208-220/440 VAC. Selling because of production shut down.</p>	<p>Used - Very Good</p> <p>Illinois</p>
<p>Bartelt Form Fill Seal Packager Asset ID: 6126 Bartelt HMC</p>	<p>Bartelt horizontal form, fill, and seal Packager</p> <ul style="list-style-type: none"> • Model RH IM 6-7 (6 inch-7 station) w/B Filler • Tritronics registration unit (Color Mark II, Model CMS 2B) • Last ran 60 packages per minute on 1-gram fill • Machine No. 336 <p>Smooth/quiet running machine. 3 phase 208-220 VAC. Selling because of production shut down. Price includes loading on your truck - crating extra. Auxiliary equipment such as embossing and various types auger tooling setups available separately.</p>	<p>Used - Very Good</p> <p>Illinois</p>
<p>Vertical Form Fill Machines VFFS Asset ID: 1085 Prodo-Pak</p>	<p>Like New Vertical Form Fill & Seal Machine (VFFS)</p> <p>by Prodo-Pak. Tested - never used in production. VFF.</p> <ul style="list-style-type: none"> • One Model 4S 3P 320 line 3-lane with Laser etching printer. Fill rate at 150 to 180 pouches/minute. Machine Size 7.5 ft x 7.5 ft x 9 ft tall 5,000 pounds • Fill volume 1.0 to 3.0 ml. Pouch width 1.5 inches, pouch length 3.0 inches • Was set up for filling semi-viscous gel products 1,000 to 5,000 centipoise into four sided seal pouches. Last used for hand sanitizer packets or sachets. <p>Includes the following additional pieces:</p> <ul style="list-style-type: none"> • Pump skid 80 inch x 48 inch x 60 inch tall 600 pounds • Video Jet laser printer 7 ft x 7 ft x 77 inch tall 700 pounds. • Video Jet fumes extractor 4 ft x 4 ft x 5 ft tall 300 pounds. <p>See LINKS for specifications.</p>	<p>Like New</p> <p>New Jersey</p>

Pilot Plant	1 Items
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S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Neutralizer Asset ID: 2077 Cottor Plants (India)</p>	<p>Neutralizer. Pilot plant size NEW. Size 384 mm dia x 460 straight side with 45 degree cone. Atmospheric tank, stainless steel construction ss304. Top is open type with a removable cover. Tank has internal "birdcage coils" for thermal fluid heating. Top entering agitator with 3 sets of propeller blades. Driven by 0,5 HP motor at 1:30 ratio for output rpm 55-60. Vessel is New, never used</p>	<p>NEW College Station, TX</p>
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Piping 5 Items

<p>Flow Regulator Asset ID: O21 Eaton Dole</p>	<p>Eaton Dole Flow regulator Model GX 12.0 gpm</p>	<p>Unrated Jacksonville, IL</p>
<p>Quick Connect Female 1/4 Asset ID: 5422 Speedaire</p>	<p>Speedaire Coupler body 1/4 FNPT 30E653</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Quick Connect Male 1/4 Asset ID: 5421 Speedaire</p>	<p>Speedaire Coupler body 1/4 MNPT 30E655</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Relief Valve, Hydraulic Cartridge Asset ID: O13 Sauer Danfoss</p>	<p>Sauer Danfoss direct duty safety relief valve, cartridge type. Valve 1G10-03-V-0-E-B-XXX. Viton seals, external adjustment, 20-80 psi spring pressure. New, old stock. Length approx 5 3/4" Buy It Now - Free Shipping.</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Y strainer Asset ID: O10 Mueller</p>	<p>Y-Strainer. Mueller Model 76-11M-01 3/4 inch NG Cast iron Y-strainer. Quantity (2) - priced separately</p>	<p>New, Old Stock Jacksonville, IL</p>

Piping/Ball Valve 27 Items

<p>Automatic Ball Valve Asset ID: SJ302 Tufline</p>	<p>Tufline automatic plug valve, 1-1/2 inch valve flanged rated 150 psi with Hytorq 71 Pneumatic actuator Model E1A-0071-S80-A00, serial 125744099. Exp proof group 2.</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Automatic Ball Valve Asset ID: SJ301 Ball Valve</p>	<p>Automated ball valve, 2 inch 316 stainless steel, screwed connections rated 300 psi. With Bettis electric actuator Model EM SR5M-30-C4-02-305, serial 04-3029205-001. Built 2004</p>	<p>Used - Good Jacksonville, IL</p>
<p>Automatic Ball Valve Asset ID: SJ119 Auto Valve</p>	<p>Automatic 2" pneumatic actuated valve - 2-way ball valve. Brand NEW - never used. Valve is a Velan carbon steel w/ stainless steel 316 ball w/ pneumatic actuator & position indicators.</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Ball Valve Asset ID: 8140 SVF</p>	<p>4 inch Stainless Steel Flanged Ball Valve. SVF Class 300</p>	<p>New, Old Stock Pennington Gap, VA</p>

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

Ball Valve Asset ID: S1311B Milwaukee Valve Company	Milwaukee Valve Company, Inc bronze ball valve. 600 WOG. 150 SWP. New. Assembled as a uni-directional safety exhaust valve.	Used - Good
		Jacksonville, IL
Ball Valve Asset ID: S1312B Apollo	Apollo 1/2" bronze ball valve. Model: 70-103-01.	Used - Good
		Jacksonville, IL
Ball Valve 1 1/2 inch Asset ID: 6063 SVF	SVF Fluid Control Inc Flanged Ball Valve B416ATR3P 1 1/2 inch - 150 CF8M	New, Old Stock
		Jacksonville, IL
Ball Valve 1" Asset ID: 5403 Sharpe	Ball Valve - meets NACE. Size 1 inch 2000# CS NPT Ball Valve. Sharpe A108 2000 CWP 1 inch NACE MR-01-75 338749. Qty (7) available - priced separately	Unrated
		Jacksonville, IL
Ball Valve 1" Asset ID: S1208B Sharpe	Sharpe 1" 3 piece steel ball valve. 1000 CWP. Socket weld type. New. There are 4 of these available - priced separately.	New, Old Stock
		Jacksonville, IL
Ball Valve 1" Asset ID: 5401 American Valve	Ball Valve 1 inch 125# CS Flanged Ball Valve 200WOG BD693 with handle. American Valve 4000. Qty (4) - priced separately	New, Old Stock
		Jacksonville, IL
Ball Valve 1" ss316 Asset ID: 6055B SVF	SVF Ball Valve, 1 inch 316 stainless steel ball valve. S/S Center section ONLY with TFM Seat & TFE Body seals. Standard port R86066AT10. New, old stock. Still in plastic bag. Dated 4/7/11. Does not include the end. Multiple Quantites, priced separately	New, Old Stock
		Jacksonville, IL
Ball Valve 1.5" CS Asset ID: 5402A Sharpe	1 1/2 inch 2000# CS NPT Ball Valve. Sharpe A108 2000 CWP 1 1/2 in NACE MR-01-75 315628	New, Old Stock
		Jacksonville, IL
Ball Valve 2" Asset ID: 2451 Flow Tek	Flow Tek F15 - 2" Flanged ball valve - 2 piece. Body WCB, ball/stem 316ss. Class 150# valve, Includes bracket mount for actuator. New, old stock.	New, Old Stock
		Jacksonville, IL
Ball Valve 2" SS Asset ID: 5744 Flow-Tek	2" Stainless Steel ball valve, Flow-Tek S85 CF8M 1000 WOG; This item is new but has been in storage for some time	New, Old Stock
		Jacksonville, IL
Ball Valve 3" ss Asset ID: 2453 Flow Tek	Flow Tek RF15 316 Ball Valve 3 inch flanged	Used - Good
		Jacksonville, IL
Ball Valve 3/8" Asset ID: S1305B Sharpe	Sharpe 50M76 3/8" ball valve. 1000 CWP CF8M.	Used - Very Good
		Jacksonville, IL

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

Ball Valve, 1 inch Asset ID: 6105 Apollo	Apollo Ball Valve, 1 inch. 72-105-01. Body, Stem, and ball A108. Seat RPTFE, Pkg MPTFE.	Used - Very Good Jacksonville, IL
Ball Valve, 1 inch Cenrter Asset ID: 6055 SVF	SVF Ball Valve, 1 inch carbon steel ball valve. C/S Center section TFM Seat & TFE Body seals. Standard port R84066AT10. New, old stock. Still in plastic bag. Dated 4/7/11. Does not include the end	New, Old Stock Jacksonville, IL
Ball Valve, 1 inch ss Asset ID: 6099 SVF	SVF Ball Valve, 1" - 150#. Flanged, stainless steel. B41666AG150R2. CWP 275 psi. Temp -40 to 350F. Body CF8M, Trim 316SS, Seat, TFM. Used. Made in China. Built in 2006 but barely used - in great shape.	Used - Excellent Jacksonville, IL
Ball Valve, 1.5" CS Asset ID: 5402 Sharpe	1 1/2 inch 2000# CS NPT Ball Valve. Sharpe A108 2000 CWP 1 1/2 in NACE MR-01-75 329756.	New, Old Stock Jacksonville, IL
Ball Valve, 1/2 inch Asset ID: 6078 Sharpe	Sharpe Series 39034 3-piece Ball Valve, Size 1/2 inch with 1/2" threaded FNPT connections, 1000 WOG, rated at 1000 psig @ 100F. JL084. 1/2"-WCB. Carbon Steel body, ss316 ball/stem. New, old stock.	New, Old Stock Jacksonville, IL
Ball Valve, 1/2 inch Asset ID: 6106 SVF	SVF Ball Valve, 1/2 inch, NPT female ends R84466ATSE. 1500. Threaded connections FNPT. Used.	Used - Good Jacksonville, IL
Ball Valve, 1/2 inch Asset ID: 6069 SVF Flow Controls	1/2 inch ball valve by SVF Flow Controls. High performance 3-piece ball valve model R8 4466ATSE. Quantity (2) available, priced separately	Used - Good Jacksonville, IL
Ball Valve, 1/2 inch Asset ID: 6076 Sharpe	Sharpe ball valves. WC8 1000 CWP, 1/2 inch. Used - 4 available, priced separately.	Used - Good Jacksonville, IL
Ball valve, 2 inch Asset ID: 6096 SVF	SVF B41 Ball Valve 4466AG 150R2 WCB 2 inch-150 Ball Valves. Body WCB/Trim 316ss, Seat TFM, CWP 275 psi Temp -40 to 350F. Qty (4) - priced separately	New, Old Stock Jacksonville, IL
Ball Valve, 3/4 inch Asset ID: 6104 Sharpe	Sharpe 3/4 inch ball valve. CF8M, 1000 CWP. New, old stock	New, Old Stock Jacksonville, IL
Ball Valves, ss316 Asset ID: J1133 Ball valve	Ball valve ss316 - 3 inch flanged - Qty (3) - priced for the lot	Used - Good Jacksonville, IL

Piping/Butterfly Valve

8 Items

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p><u>Actuated Butterfly Valves 3" ss</u> Asset ID: R3-S8 EI-O-Matic</p>	<p>Actuated Butterfly Valve, Lugged, 80mm. Elomatic Actuator Type ES0100-U1A04A-19KO. S/N 150063130. With Eckardt Invensys SRD991-BHQS6FAANY-V02</p>	<p>Used - Good Jacksonville, IL</p>
<p><u>Butterfly Valve & Actuator</u> Asset ID: 6168 FNW</p>	<p>Stainless steel butterfly valve with electric automatic actuator. FNW Actuator EIA-0221-S80-A00 Fig No FNW742T 150 psi, CF8M (cast stainless) Body and disc, SS316 stem, S/N 140018017. Made in Korea</p>	<p>Unrated Jacksonville, IL</p>
<p><u>Butterfly Valve 3 inch</u> Asset ID: 6048 FNW742T</p>	<p>FNW 3 inch Butterfly Valve CF8M Body and disc, SS316 stem, teflon seat. Lugged valve - 4 bolt holes. Figure FNW742T. Working pressure 150 psig at 266 F. Made in Korea - used valve. Qty 2 available, priced separately</p>	<p>Unrated Jacksonville, IL</p>
<p><u>Butterfly Valve 3 inch</u> Asset ID: 6049 FNW</p>	<p>FNW 3 inch butterfly valve CF8M 150 DI D16. Lugged connections 3" pipe</p>	<p>Used - Good Jacksonville, IL</p>
<p><u>Butterfly valve 4 inch</u> Asset ID: 6047 FNW</p>	<p>FNW 4 inch butterfly valve CF8M. Lugged connections for 4" pipe. Silicone free. DN100</p>	<p>Used - Good Jacksonville, IL</p>
<p><u>Butterfly Valve 4" ss</u> Asset ID: R1-S1A2 Crane</p>	<p>Butterfly hand valve, lugged. Crane Flowseal 4" 150/300 F316 stainless</p>	<p>Used - Good Jacksonville, IL</p>
<p><u>Butterfly Valve 40"</u> Asset ID: 1726 Bray Controls</p>	<p>Butterfly valve 40" 300# rated 740 psi 100F. Bray Controls P/N 434000-1100147Q/CD40 sn C160241184. Body cast iron WCB, stem & disc CF8M stainless steel, seal RPTFE. Made in China 2016. New in crate. Manufacture to ASME B16.34, passed and certified by CE (Europe)</p>	<p>New, Old Stock Marissa, IL</p>
<p><u>Butterfly Valve, 6 inch</u> Asset ID: 6091 Tufline</p>	<p>Tufline Butterfly Valve, 6 inch. SS Body and Disc, Shaft 17.4 PH PC95C044. Max 100 psi @ 450F. Class 150.</p>	<p>Used - Good Jacksonville, IL</p>

Piping/Check Valve		9 Items
<p><u>Check Valve 3/4"</u> Asset ID: O9 Bonney Forge</p>	<p>Bonney Forge 3/4 inch Check Valve 800# HL 41 Std Port Bolted Bonnet 022077-0086 A105N. 800# class. 3/4" FNPT Threads. (3) available - priced separately</p>	<p>New, Old Stock Jacksonville, IL</p>
<p><u>Check Valve, 1 inch</u> Asset ID: 6051 DFT</p>	<p>DFT Check Valve, 1 inch. Model WLC 49336. S/N 49336 Class 150. Stainless steel 316 body & trim. Rated MAWP 275 psig @ 100F, 195 psig @ 400F. New, old stock.</p>	<p>New, Old Stock Jacksonville, IL</p>
<p><u>Check Valve, 1.5 inch</u> Asset ID: 6052 Warren</p>	<p>Warren Size 1.5 inch check valve, Y pattern, pressure rating 200 psig. Body CF8M, Stem 316, Disc CF8M, Fig No. 223. New, old stock.</p>	<p>New, Old Stock Jacksonville, IL</p>

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Check Valve, Swing Wafer Asset ID: 6103 Hy-Grade Valve Inc</p>	<p>Hy-Grade 1 inch Swing Wafer Check Valve, T series. Class150 RF 275 WP-100F. S/N 1T20683. 74715. 316-A479. New, old stock</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Swing Check Valve Wafer Type 6" Asset ID: 5405 KF</p>	<p>6 inch Wafer Swing Check Valve, 150# class, 304 Stainless Steel. Mfg is KF. The check valve body is CS, Trim SS, MOP: 285, Rating: 150, P/N 7335-11139K11, Spec B16.34, Mfg 10/06. New - old stock.</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Swing Check Valve, 1 inch Asset ID: 6079 Sharpe</p>	<p>Used Sharpe Swing check valve, Size 1 inch with 1" threaded FNPT connections. CF8M, 200 W. P.</p>	<p>Used - Good Jacksonville, IL</p>
<p>Swing Check Valve, 1 inch Asset ID: 6077 Sharpe</p>	<p>Sharpe 1 inch Swing valve, screwed cap. Body CF8M, 200 W.P. Disc 316 Fig 20276. Threaded connections FNPT 1". New, old stock.</p>	<p>New, Old Stock Jacksonville, IL</p>
<p>Swing Check Valve, 1 inch Asset ID: 6065 Sharpe</p>	<p>Sharpe 1 inch cast stainless steel swing valve. W.P. 200 psig. Body CF8M, Disc 316.</p>	<p>Used - Very Good Jacksonville, IL</p>
<p>Swing Valve, 3/4 inch Asset ID: 6066 Sharpe</p>	<p>Sharpe 3/4 inch Swing Valve. 200 W.P. Body CF8M, Disc 316, Fig 20276. New, old stock.</p>	<p>New, Old Stock Jacksonville, IL</p>

Piping/Gate Valve 2 Items

<p>Gate Valve 16" Asset ID: 6595 Fairbanks</p>	<p>Fairbanks 16" gate valve. New. Figure No. 0405. 150 WOG</p>	<p>Used - Good Grant City, MO</p>
<p>Gate Valve, 1 inch Asset ID: 6064 Vogt</p>	<p>Vogt 1 inch class 800 carbon steel Gate Valve. API 602/ANSI B16.34. Series SW12111 Spec API602/B16.34 Body A105 UG60. Class 800# valve, rated for 1875 psig at 100F. Seat HF. Quantity (4), priced separately. New, old stock</p>	<p>New, Old Stock Jacksonville, IL</p>

Piping/Knife Gate Valves 3 Items

<p>Knife Gate Valve 20" Asset ID: B2077 Orbinox</p>	<p>Knife Gate Valve 20" Stainless steel body and gate with actuator. Full lug, face-to-face 4.5" . Orbinox Pneumatic cylinder actuator Model: PARG4NE3-21, SN: V6245532, Bore 12", Stroke - 21", Press Rating 150 PSI. NEW, Old Stock</p>	<p>New, Old Stock Peoria, IL</p>
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S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Knife Gate Valve 30" Asset ID: B2079 ITT Fabri Valve</p>	<p>Knife gate valve 30" with pneumatic actuator, Wafer. Rated 150 lb carbon steel body with ss304 knife. Mfg ITT Fabri Figure 037L304. NEW, Old Stock</p>	<p>New, Old Stock Peoria, IL</p>
<p>Knife Gate Valve, 30" Asset ID: 6122 Metropolitan Valve Inc.</p>	<p>One (1) 30" pneumatic stainless steel knife gate valve, new surplus (unused).</p>	<p>Unrated Minnesota</p>

Plants/Biodiesel		6 Items
<p>Biodiesel Plant 10 MGY Asset ID: PK-2800</p>	<p>Continuous Biodiesel Plant rated at 10 MGY for sale as a complete Asset Sale. Ready to Run - very little CapEx needed. Sale includes 6.7 acres land and buildings approximately 9600 sf under roof. Includes truck scale, loadout system, (10) tanks for 330,000 gallons + process tanks. Equipment and systems are maintained and ready to start, trained plant manager on site. Power and all utilities have remained on and plant has been maintained since being idled. Ready to start immediately. Continuous design with all new or renewed equipment. All stainless steel construction including piping. (except reactors). Brand new Goulds pumps and glycerin distillation system. Automatic operation through Allen Bradley plc and HMI control. No rail on site but there is a spur rail next door fed by Norfolk & Southern. Will require a renovation of existing track. The plant can handle RB and clean oils to 3% ffa. Plant was built in 2007, sold and completely renovated in 2016, operated until 2018 when idled. It has also had limited runs in May-June 2022.</p>	<p>Used - Excellent Moberly, MO</p>
<p>Biodiesel Plant 15 MGY Asset ID: PK-5200</p>	<p>Biodiesel Plant 15 MGY</p> <p>Biodiesel plant with nameplate rating at 15 MGY (million gallons per year). Was designed to run soybean oil and was in operation on crude degummed oil. Complete plant is available - must be relocated. Does not include electrical. The entire plant is inside in a protected building except for the methanol distillation column. Allen Bradley plc controls. Still installed. Plant never met nameplate capacity but average rate was between 6 to 8.7 MGY. In operation from 2020 to late 2021. Includes all in-process tanks, The 18 outside storage tanks are available on Asset 2365 and Asset 2366. We have details and drawings in our Virtual Data Room (VDR) - available upon invitation.</p> <ul style="list-style-type: none"> • (3) biodiesel reactors • (3) horizontal settling tanks • Glycerin coalescer distillation column • Biodiesel coalescer distillation • MRU methanol recovery unit distillation column & system • Cold soak filtration system - Vertical pressure leaf filter and (2) plate and frame filters including slurry and earth handing systems • (2) Hydrasep oil water separators • Air compressors, pumps, heat exchangers • Allen Bradley controls, HMI 	<p>Used - Good Greenwood, MS</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Biodiesel Plant 15 MGY Asset ID: 7410 Greenline</p>	<p>Biodiesel plant rated for 15 MGY (million gallons per year)</p> <ul style="list-style-type: none"> • Complete plant including land, rail siding, rail & truck loading, 13 tanks. • Rail ties to BN on one end and UP on other end - BN does the switching. • Two separate complete biodiesel trains capable of operating independently on different feedstocks - a 5 MGY system and a 10MGY system. • All electrical, lab, utilities, and auxiliaries. • All automatic - Allen Bradley plc controls and HMI • Can be run in place. If moved, removal is extra • Land size is approx. 6.52 acres. <p>Plant is a Greenline design capable of running multi feedstocks. It ran animal fat during its production. The 10MGY train was added new in 2008 - plant was idled in 2010, then ran again in 2018 and 2019. Now idle. Much more information available in our Virtual Data Room (VDR). Please ask for an invitation. This plant can be used as a terminal - has 12 rail spots, 2 truck spots, and 1.4 million gallons of storage</p>	<p>Used - Good</p>
<p>Biodiesel Plant 3 MGY Asset ID: PK-1900 Greenline</p>	<p>Biodiesel Plant - 3 MGY (million gallons per year)</p> <p>Manufactured by Greenline, this plant ran cottonseed oil in a continuous flow, water free, transesterification reaction and separation modules.</p> <ul style="list-style-type: none"> • On skids and includes in-process tanks. • Fully automatic with plc control; all controls are still there and intact except for the HMI. • No tank farm • No air compressor • This plant was just inspected by the manufacturer in Dec 2021 and all pieces are still there except for some water piping. • The manufacturer notes that this plant is in good condition and very little CapEx will be needed to start the equipment back up. Customer will have to make its own determination. • Plant must move. • Approx space is occupies now is 75 ft x 100 ft <p>Started in 2008 - idled in 2010. We can offer two further options at an additional price: 1. Greenline refurbish all equipment and make ready for start-up. 2. Greenline install and start-up equipment at new location. See information in Links; more data in our Virtual Data Room (VDR).</p>	<p>Used - Good</p>
<p>Biodiesel Plant 5 MGY Asset ID: PK-2200 Greenline</p>	<p>Greenline 5 MGY plant complete. Very good condition, built in 2007 and just idled in Sept 2021. In all 15 years of production, this plant did not have more than 3 weeks downtime - designed very well. Production was all animal fat at <4% ffa. It could also run Choice white grease, lard, tallow, brown grease. The front end operation has an Alfa Laval PX centrifuge. Includes an extensive spare parts inventory with spares for every major piece of equipment in the plant. Has an enclosed load out area and a chiller/filter press to meet cold soak requirements for biodiesel,</p> <p>NOTE: This is an orderly negotiated asset sale - all assets must move. Land and buildings are not included. Tanks are not included.</p>	<p>Used - Very Good</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Biodiesel Plant 5 MGY Asset ID: PK-1777 Jatro Renewables</p>	<p>Biodiesel Plant nameplate capacity 5 MGY (million gallons per year). Design is super critical reactor type, developed by Jatro Renewables. This design technology allows this plant to handle very dirty high ffa feedstock while operating cheaper than a conventional catalyst biodiesel plant. No toxic catalyst. Output biodiesel is much clearer than conventional biodiesel. See our marketing deck for lengthier explanations. No license fees. All assets are for sale as an entity - must be relocated. All structure included - building is not included. Includes lab equipment. See Marketing Deck general arrangement in Link. Operated from Nov 2015 to 2019 - now idle.</p>	<p>Used - Very Good</p>
		<p>Illinois</p>

Plants/BioRefinery and Edible Oil 2 Items

<p>BioRefinery Plant 200 TPD Asset ID: PK-2610</p>	<p>Bio Oil Refining & Pretreatment Plant 200 TPD (18 MGY) - OR - Biodiesel Plant</p> <p>Stainless Steel Plant</p> <p>Plant is still in operation. The plant (originally a stainless steel biodiesel plant), has added capability to clean up vegetable oil by refining for the renewable diesel industry, and by using enzymatic hydrolysis to create fatty acids. Most of process is stainless steel. Information and photos available in Virtual Data Room (VDR) - please ask for invitation.</p> <p>Includes</p> <ul style="list-style-type: none"> • (5) 7000 gallon ss reactors • (2) 2500 gallon ss reactors • (2) 22,000 gallon ss reactors • Glycerin evaporative dryer • Methanol Distillation rectifier column • 240,000 gallons of tank storage • Rail Access (direct Norfolk Southern) • 26 acres of land - plant is on 5 acres fenced, rest is for expansion <p>This plant is currently operating and is set up very well to refine and clean up oils for other value added products such as renewable diesel. It can handle any lipid including animal fats. SEE Marketing Deck and Virtual Tour in Links below.</p> <p>Overview</p> <ul style="list-style-type: none"> • This plant started acid esterification and transesterification biodiesel production in 2006 demonstrating capacity of approximately 14MM GPY on multi feedstocks, chosen based on economics of each at the time. Feedstocks included UCO, poultry, animal fats, soy and corn oils. Purchased specs were 15 % FFA , 2 % MIU, 1 % Moisture MAX. Finished biodiesel product met or exceeded ASTM D6751 • In 2022 the facility switched to enzymatic hydrolysis of soybean oil for the production of Fatty Acids operating at 10 gpm, and later to pretreatment of feedstock up to 18MM GPY. Soybean oil was purchased as a crude degummed specification and produced as produce Fatty Acid and pretreat feedstocks for use in Renewable Diesel facilities. 	<p>Used - Very Good</p>
		<p>Rome, GA</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>BioRefinery Plant 550 TPD Asset ID: PK-2600</p>	<p>Bio Oil Refining Plant 550 TPD - OR - Biodiesel Plant 50 MGY</p> <p>On Mississippi River with Dock</p> <ul style="list-style-type: none"> • This plant has been recently idled - essential personnel are still there. • Land is on the Mississippi River with dock and 1.3 million gallons of storage. • Great for storage or transloading facility, for a renewable diesel feed plant, or other process/biodiesel plant with good infrastructure. Originally it was a biodiesel plant and then added capability for soybean refining and enzymatic degumming. Mainly automatic with plc controls. Plant is currently idle but Plant Manager, Lead Operator, and Logistics Manager are still there maintaining the equipment including turning large motors. Electricity still on and most permits are current. Data room available upon request after signed NDA. SEE Marketing Deck in Links below. <p>Includes</p> <ul style="list-style-type: none"> • 1.3 million gallons of tank storage (31,000 bbl) • Barge dock on Mississippi River • Automatic with PLC controls • Full Lab • 53 acres of land • Rail access (CN) <p>Overview</p> <ul style="list-style-type: none"> • This plant started transesterification biodiesel production 2007 with a name plate capacity of 72 million gallons per year and demonstrated production of 50 million gallons per year. Feedstock was solely Crude Degummed soybean oil, and finished product met or exceeded ASTM D6751. • In 2022 the plant was converted to refine soybean oil from crude or crude degummed soybean oil. The refining process was designed for 144,000 gallons per day (100 gpm) (550 TPD). The operation was limited by feedstock supply chain so the max demonstrated production was 86,000 gallons per day. Refined soy oil processed was sold to Renewable Diesel producers, The refined oil met or exceeded all parties' required specifications. The actual COA's are in the virtual data room • In August 2023, production ceased and the plant was shut down. Critical operations team still in place. 	<p>Used - Good</p> <p>Natchez, MS</p>
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Listed in Category Order. Click on an Asset Name for more details.

<p>Crush Plant 150 TPD + Refinery 50 TPD Asset ID: PK-2400</p>	<p>Crush Plant 150 TPD --- RBD Refinery 50 TPD</p> <p>This plant was designed to crush and refine organic soybeans from local farmers. Built in 2002 and idled in 2006. The overall refinery is designed to be a 150 T/D soybean processing plant and a 50 T/D refinery with a majority of the technology provided by the Chinese engineering company Wuhan Friendship Food Engineering Co, LTD. The majority of equipment is of Chinese origin but also includes US manufacturers of major equipment (presses, centrifuge, chillers). Offering complete, for sale as a single entity. Most equipment is inside a building and is protected from weather. Crush includes (3) Dupps presses, cooker, hammermill at meal storage. Refinery includes Alfa Laval degumming and ww centrifuges, bleach, deodorization. Quoted as Complete Plant for run-in-place including land and buildings. See flyer brochure and video walkthrough in Links.</p>	<p>Used - Fair</p>
<p>Crush Plant, Mobile 40 TPD Asset ID: PK-6040</p>	<p>Crush Plant - Mobile. Capacity 40 TPD (tons per day)</p> <p>Capacity 40 TPD or 3600 pounds per hour mobile mechanical pressing/crushing plant built into semi-trailer. This unit has very few hours. Built June 2020 and ran until Aug 2021. The Processing unit extrudes and presses soybeans (or oilseeds) into soybean meal and oil. It is an operational self-contained unit with process controls in a 53' van trailer. It has a rated processing capacity of 3600 lbs. of soybeans per hour. The unit has 2 extruders, 2 presses, a cooling drum, roller mill, oil recycling system, oil storage tank and conveying and process control equipment. Power: 480 volt 3-phase for connected load 350 HP total; can use Generator or Grid power. The extruders are in the rear of the trailer, presses in the middle, then the cooling drum and roller mill going forward. Soybeans drop into the extruders from the top of the trailer. The meal exits the side after the roller mill. The oil storage tank is in the front of the trailer. Oil can be pumped straight out the side to a tanker or to the front storage tank. We used the storage tank in the winter and pumped straight into the tanker in the warmer months. Tractor (on trailer) and sheds in back are not included. See flyer with Equipment List in Links Overview. The extruders are in the rear of the trailer, presses in the middle, then the cooling drum and roller mill going forward. Soybeans drop into the extruders from the top of the trailer. The meal exits the side after the roller mill.</p>	<p>Used - Very Good</p> <p>North Dakota</p>

Plants/Essential Oil & CBD

2 Items

Listed in Category Order. Click on an Asset Name for more details.

<p>Oil Extraction System. Butane 1 TPD Asset ID: PK-6030 SH Capital Holdings</p>	<p>Hydrocarbon Butane Natural Oil Extraction System</p> <p>Rated at approximately 1 TPD (ton per day). Last used to extract CBD, can be used for essential oils. Complete continuous system. Installed NEW in 2020 and idled in 2021. It ran only 5 to 6 batches - very few hours.</p> <ul style="list-style-type: none"> • Batch Process designed for 1000 lbs of hemp per run lasting 6 to 8 hours. • (3) butane process pressure tanks 420 gallon horizontal insulated. ASME MAWP 250 psig at 100F with water jacket MAWP 15 psig. • Chiller 10 tonR. Temtek BCD-10A air cooled water chiller. Motor 10 HP, refrigerant R-410A • Alfa Laval plate heat exchanger 84 sf, model M6-Base • Shell and tube heat exchanger Alleghany Bradford, MAWP shell/tube rated at 150 psig at 350F • Rosedale ss cartridge filter, model SAN830 • Delta T Systems glycol cooling controls, Model EUW-36E. Heater 36 kw, pump 1.5 HP 230v 3/60 • (2) stainless steel jacketed tanks, Lee Tank 40 gallon capacity. MAWP tank 45 psig at 350F, Jacket 100 psi at 350F. Full vacuum vessel internal. • Transformer 75 kva MGM. 3-phase 480v to 240v/120 CT • Process pump, piping • Most equipment is Like New - Purchased new in 2020. See equipment list <p>We have many photos of this system. Please ask for an invitation to our VDR (Virtual Data Room) to view.</p>	<p>Used - Excellent</p> <p>California</p>
<p>Oil Extraction System. Ethanol 1.5 TPD Asset ID: PK-6020</p>	<p>Partial CBD Extraction Plant - ethanol</p> <p>Biomass drying and ethanol solvent extractor system, last used for producing CBD Extract by drying hemp at 3,000 #/day infeed and approximately 1,000 #/day dry mass outlet. Was running hemp with infeed moisture of 50-80% and outlet moisture of 7% to 11% moisture. CBD extraction efficiency is very good. Complete line was purchased new in 2019 - only has 1,289 hours operation. Some pieces have been sold - main components still left for sale include Gryphon biomass belt dryer, Chuck Gurdin ribbon blender, Nutsche filter, See Links for equipment list and process flow chart. For all components enter the key word pk6020 in search box.</p>	<p>Used - Very Good</p> <p>Northern US</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Grain Milling Plant Asset ID: PK-5106 Agrex S.p.A</p>	<h2>Grain Milling Plant</h2> <p>Agrex grain milling plant rated at 125 bu/hr (85 tons/day). Capabilities: Corn, Wheat, Barley, Oats, Rye, Soybeans, Grain Sorghum - was milling corn for an ethanol plant. Plant is fully automated using Allen Bradley PanelView Plus 1250 controls, 480v 3/60. Built in 2008 and ran through mid 2010 then idled. Stored in a protected warehouse. This plant occupies an area approx 55 ft x 22.5 ft and tallest piece (hopper) is 15 ft. Sold as a complete milling system. For more information and photos of the components, ask for an invitation to the Virtual Data Room (VDR).</p> <h3>Very Good Condition. Ran less than 1000 hours - Fully Automated</h3> <p>Equipment is removed, in a warehouse, and ready to load. Major Equipment --> See Equipment List in Documents</p> <ul style="list-style-type: none"> • Loading hopper • Grain seed cleaner sieve • Destoner • Degerminator • Classifier • Blender • Byproduct collecting beam and filter • Rolling mills • Purifier and filter • Grits and flour transport line • Pneumatic clamp tissue tightener <p>Operation</p> <ul style="list-style-type: none"> • Very low hours: Less than 1000 hours. (Paint is still on the augers) • Built 2008, ran through mid 2010 • Briefly started again in 2013/2014 but never was operational - idled again • Started again in 2022 to check out operation. Ran some corn to verify good working condition • No major issues known 	<p>Used - Excellent</p> <p>Illinois</p>
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Plants/Hydrogen		6 Items
<p>Hydrogen Gas Plant 25,000 scfh Asset ID: 5350 Hydro Chem</p>	<p>Hydro Chem hydrogen generating gas plant, pressure swing adsorption type. Capacity is 25,000 SCFH. Reformer designed with 8 tubes (6 installed and 2 available) and a ground mounted waste heat boiler. There are 4 psa columns. The waste heat boiler provides approximately 1 ton/hr of steam export at 230 psig. The high pressure gas compressor is a 60HP Gardner Denver. System is still installed. Does not include control panel or plc - does include instruments, valves, pipes. Built 1977 - Plant idled in 2015.</p>	<p>Used - Good</p> <p>Mexico</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Hydrogen Gas plant 50,000 scfh Asset ID: PK-1717 Hydro-Chem</p>	<p>Hydrogen SMR Plant 50,000 scfh</p> <p>Hydrogen gas plant by Hydro-Chem designed to generate at 50,000 scfh (1.2 MMSCFD) at 99.9% purity. Has waste heat boiler, natural gas compressor, 4 psa units, FD fan & ID fan on reformer with space for 12 tubes - 8 reformer tubes were installed with 4 spare tubes to operate at 30,000 scfh to match plant operations capacities. The plant capacity is 50,000 scfh with all tubes installed. Built 1981, relocated and rebuilt in 2005 adding a waste heat boiler system and expanding the footprint, shut down 2018 and mothballed under nitrogen until removed in 2021. There is no catalyst or fill in the reformer tubes, shift converter, desulfurizer, or the PSA's. Missing psa valve skid. Plant footprint is 70 ft x 40 ft. We have P&ID, PFD, GA, and equipment drawings. Much more in our Virtual Data Room - ask for an invitation. Photos show plant as it was installed - it has been removed and stored at a warehouse - ready to load</p>	<p>Used - Good</p>
<p>Hydrogen Gas Plant 80,000 scfh Asset ID: PK-6009 Hydro-Chem</p>	<p>Hydrogen SMR Plant 80,000 scfh</p> <p>Hydro-Chem hydrogen gas plant. Capacity 1.9 MMSCFD (80,000 scfh or 2100 Nm3/hr). Built 2004, in operation until 2021. Was idled with nitrogen blanket on gas side until removed in 2021. Has 20 tube reformer (tubes 3.75"), 4 PSA units, waste heat export boiler. Plant is in very good condition. Design is SMR type (steam methane reforming). Complete plant including controls, plc HMI, programming, manuals, all "as built" drawings. There is no catalyst or fill in the reformer tubes, shift converter, desulfurizer, or the PSA's. Plant designed for no natural gas compressor - fed by higher pressure pipeline. See flyer in links for equipment list. More photos and data available in the Virtual Data Room (VDR - ask for invitation).</p> <p>Photos show as it was installed - now removed and stored at a warehouse - ready for loading</p>	<p>Used - Very Good</p>
<p>Hydrogen Gas Plant 90,000 scfh (Partial) Asset ID: 6530 HydroChem</p>	<p>Hydrogen Generating Plant (partial)</p> <ul style="list-style-type: none"> • Design capacity is 90,000 scfh at 200 psig with a purity of 99.99% pure hydrogen - was running on 10 of its 20 tubes for 45,000 scfh capacity. Burner has been changed out to run the 45,000 scfh capacity. • Reformer can be fired on natural gas or propane - same burner. • Waste heat boiler generating 3,000 to 5,000 #/hr export steam at 250 psig. • PSA plant (4 psa vessels replaced in 1998) with Jamesbury valves kept up to date, Quench pot design. • Plant is missing small natural gas compressor, heat exchangers, and pumps. • Has new tubes, new reformer, and new shift converter catalyst. • Five (5) spare tubes available. <p>Engineered by Hydro-Chem built in 1980. . Plant was shut down in mid 2012, and proper shutdown procedures were followed. Reformer tubes are 6.625" OD, 5.25" ID, 30.825" long and made of alloy HP50 (also known as 25/35)</p>	<p>Used - Good</p>
		<p>Nebraska</p>

Listed in Category Order. Click on an Asset Name for more details.

<p>Hydrogen PSA System 1.3 MMSCFD Asset ID: 7251 Honeywell</p>	<p>PSA System (pressure swing adsorption)</p> <p>New, Never Installed</p> <ul style="list-style-type: none"> Built by Honeywell UOP in 2023 - New, never installed. Rated at 1.3 MMSCFD (million standard cubic feet per day). 1,534 Nm³/Hr PSA adsorber vessels rated at 235 psig at 34F / 168F. There are 5 PSA Vessels Plant footprint is 50 ft x 17 ft. Allen Bradley 1756 PLC control system. Two years of operation spare parts available. Unused Adsorbent available. <p>Hydrogen PSA system uses Honeywell UOP Polybed process to generate 99.99% hydrogen from feed gas (2.05 MMSCFD, 209.3psig at 100F, containing 75% of hydrogen) through 5-bed pressure swing absorption vessels. Hydrogen recovery rate from feed gas is 84.5%.</p> <p>Technical Specs and Drawings on Request</p>	<p>NEW</p> <p>Texas</p>
<p>Hydrogen PSA System 750K scfd Asset ID: PK-5103 HydroChem</p>	<p>PSA system (pressure swing adsorption)</p> <ul style="list-style-type: none"> Built by Hydrochem in 1998 - never put in service. Rated at 750,000 scfd (standard cubic feet per day) = 30,000 scfh. This is an 8-bed design using Valteck valves. Vessels all are ASME pressure vessels MAWP 270 psig at 150F. Includes Dresser Rand hydrogen compressor on skid - discharge pressure 400 psig - MAWP 440 psig. See all nameplate details transcribed in photo. Compressor cylinder type VIP, nominal bore 12.5 inch, 1250 rpm, serial number 3VC200 <p>Capable of purifying the gaseous composition of H₂, CO₂, CO, CH₄, Ethane and Propane depending on the Mole% of each as long as there is NO Moisture/Condensate in those feed streams. This system can purify H₂ better than 99.9%</p> <p>Adsorbents not included (we can furnish information on what the adsorbents were. This unit is now in warehouse storage ready to load</p>	<p>New, Old Stock</p> <p>New York</p>

Prep Oilseeds

4 Items

<p>Dehuller Asset ID: 2344</p>	<p>Impact Dehullers</p> <p>These impact dehuller are custom made to resemble Codema VSH-2096. They are robust and last used in the hemp industry. The builder made it a little easier to clean out. Capacity was approx 4000 lbs/hr each. Direct drive by 3 HP motor 1100 rpm 460v 3/60. Idled in 2021. Five gray hullers are identical, the one tan dehuller has bottom down-slopes that are a bit wider. Hullers are 37" tall on top and 51" bottom cone, 32 1/2" wide/diameter. inside of huller is 27 1/2". Inlet size 4", outlet size 2 x 5" (18 inch center to center). Selling grey/white dehuller only - does not include grader underneath.</p> <p>Qty (4) - priced separately. We can sell these singly or make a package deal.</p>	<p>Used - Very Good</p> <p>Winnipeg, Canada</p>
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Listed in Category Order. Click on an Asset Name for more details.

<p>Grader Drum Screener Asset ID: 2346 Triple S Dynamics</p>	<p>Triple/S thickness graders - drum screener. Idle since 2021. We have 5 total - priced separately</p> <ul style="list-style-type: none"> (3) are Triple/S Dynamics Model E50-1R, serial # CS.7629,7627,7630 (single drums approx 18" dia) (1) double screen Triple/S Dynamics E50 double screen grader (1) T50 grader. <p>All have 18 inch drums, all the same size 4.25" - 4.75" slot sized screens. Driven by 460v motor 3/60.1.5 HP and a 1/2 HP on shaker pan.</p>	<p>Used - Good</p>
		<p>Winnipeg, Canada</p>
<p>Gravity Separator Asset ID: 2345 Forsberg</p>	<p>Forsberg Inc. Vacuum Gravity Separator, Model 50V. Carbon steel, and wood construction. 19 Square feet deck area. Driven by a 1/2 hp, 3/60/208-230/460 volt, 1725 rpm motor. Manual speed adjustment. End feed, side discharge with divider blades for heavies, mediums, lights, and cull discharge. Idle since 2021, stored in protected warehouse. serial 5239, Forsberg 50V rated at 6000 lbs/hr for grains, physical size 64" x 106" x 83" tall. Last used for hemp</p>	<p>Used - Good</p>
		<p>Winnipeg, Canada</p>
<p>Roto-Shaker Screener Asset ID: X2102 Andritz Sprout Bauer</p>	<p>Andritz Sprout Bauer Roto-Shaker Screener, Model 6x14, serial 1997-00199. Has 16" inlet/outlet and 3 screens. Motor 10 HP.460v 3/60. Physical size approx 21'-6" long x 7'-1" wide x 57" tall. Capacity up to 35 TPH (tons/hour) depending on product fed into the shaker. The industrial model Rota-Shaker is equipped with heavy-duty, segmented screen frames of carbon steel or stainless steel construction. The unit is designed with a spring-tensioned, hook-strip screen attachment, which provides a taut surface for increased screen life and greater efficiency, and allows screens to be retightened after use.</p>	<p>Unrated</p>
		<p>Mississippi</p>

Presses 2 Items

<p>Dewatering Screw Press CP-6 Asset ID: 2111 Vincent</p>	<p>Vincent Dewatering Screw Press, Model CP-6</p> <p>Capacity 2-4 TPD (300-1,000 lbs/hr) Complete and operational unit - used. Screw at 20 rpm. Pneumatic ram for backpressure control of press. Custom stand for liquid capture included. The screen is a D-156 profile wedge wire for media press, measured at approximately 430 microns. Motor Leeson 5 HP 1755 rpm 230/460v 3/60.</p>	<p>Used - Good</p>
		<p>Kentucky</p>
<p>Fiber Filter Asset ID: 2118 Vincent</p>	<p>Vincent Fiber Filter Sludge Press 300-1500 gpm</p> <p>Sludge Press manufactured by Vincent. Model EF-30. Stainless Steel, serial number 17590-8. 30HP with a capacity of 300-1500 gpm. Built in 2019 and is presently installed in operation. Serial 17590-8 (Se fiber filter model FF-30) Featuring fine filtration of high gpm throughputs, the Fiber Filter is a unique machine. It operates continuously with a fabric filter that is vibrated clean by the process flow, requiring only occasional back-flush cycles. Liquid flows with fiber contents ranging from 0.3% to 1.5% are thickened to a range of 4% to 14% solids with the Fiber Filter. The filtrate liquid is remarkably clear. The Fiber Filter can replace equipment ranging from pre-thickening screens to centrifuges. Fiber Filters can be used both to thicken flow ahead of a screw press and to remove fiber from press liquor. Mechanically the Fiber Filter has a rotating paddle impeller that whirls and pulses the incoming fluid against the inside of a cylindrical filter screen. The filter sleeve, held taught in a frame, is made of a woven polymer fabric. The fabric is available in meshes ranging from 25 microns (0.001") to 300 microns (0.012"). Fabric tension is adjusted from outside the machine, improving sanitation and facilitating operation.*</p>	<p>Used - Very Good</p>
		<p>Washington</p>

Presses/Expander 2 Items

Listed in Category Order. Click on an Asset Name for more details.

<p>Expander 4.5" Dox Hivex Asset ID: 1068 Anderson</p>	<p>Anderson Expander Expeller 4½" DOX/HIVEX with high shear choke. Slotted wall, pilot expander capacity approx 24 to 34 MTPD. Serial number 11665 Includes Accutherm electric circulation heater. No motor (was sized for 75 HP but not included). Unit only ran for a short time on non-abrasive algae (70% oil). Oilseed Prep: Anderson developed the Dox/Hivex™ expander, an extrusion based design that crushes the seed materials, cooks them, drains their free oils and fats, and efficiently shears their oil cells for the pressing operation. The Dox/Hivex™ is an Anderson patented processing machine which reduces cooking time from the traditional 45 minutes to a total of 20 seconds</p>	<p>Used - Good Sioux City, IA</p>
<p>Mechanical Dry Expander Asset ID: 7208 Anderson</p>	<p>Anderson 8" Dox Dry Expander RECONDITIONED Capacity 2 tons per hour of soybeans (35-50 MTPD)</p> <ul style="list-style-type: none"> • New 9' x 6' variable screw feeder with 2HP motor. • "dog-Leg" chute assembly with 2 stainless steel 10" wide permanent hinged plate magnets. • 8" 3-piece barrel design barrel with 3 rows of new breaker screws and support legs. • Thrust spindle rated for 200HP motor. • Segmented main worm shaft assembly. • Cone choke assembly. • Refurbished 200HP motor and v-belt drive with safety guard. • All electrics are 3 phase / 60Hz / 460 volts. • No control panel or motor starter are included. 	<p>Reconditioned Texas</p>

Presses/Expeller

7 Items

<p>Dewatering Screw Press CP-4 Asset ID: 2353 Vincent</p>	<p>Vincent Compact Press Model CP-4</p> <ul style="list-style-type: none"> • Continuous dewatering press. Graduated pitch, interrupted flight screw to maximize dewatering. Final pressing is controlled by a discharge cone • Capacity 150 to 500 lbs/hr (0.5 to 1 tpd) • 1.5 HP motor 230/460 3/60 - includes VFD • Model CP-4, serial number 19019-1 • All contact parts ss304 • Screen: The press is supplied with a single piece stainless steel wedgewire screen, with slots that are ~0.006" wide. It has stationary resistor teeth to prevent co-rotation • Compression Screw: The 4" diameter screw with four stages of compression features interrupted, reducing pitch flights. This design allows the press to accept variations in input volume and consistency without adjustment. • Last used for food grade hemp/biomass. <p>See manual and product specs in LINKS. Very few hours - close to 85 total. This press has been removed and is crated for shipping - Ready to load and ship. Size 40 x 84 x 62 in tall, weight 1154 pounds</p>	<p>Used - Excellent Tennessee</p>
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Listed in Category Order. Click on an Asset Name for more details.

<p>Expeller Oil Press 17 TPD Asset ID: 8420 Goyum</p>	<p>Goyum Oil Press Expeller</p> <p>Goyum Oil Press Expeller. Model G-150, rated at 15-17 TPD (mettic tons per day) capacity. Press only (sized for 40HP motor, motor and cooker not included). Recently Reconditioned for a project but never started. Two available, priced separately.</p>	<p>Reconditioned</p>
<p>Press 60 to 95 MTPD Asset ID: 5450 Shann</p>	<p>Shann Full Press Model 9-99RT Serial Numbers 3294-1 and 3294-2. Motor HP 370. Brand New - never used or installed. Capacity at Full Press rated to 60 MTPD on soybean - with extruder ahead of it can do 95 MTPD. All parts are there - complete press. RT design allows the press to be reversed in case of an overload. Quantity (2) sold together as a lot.</p>	<p>NEW</p>
<p>Press, Oil Press 60-150 TPD Asset ID: 1466 Goyum</p>	<p>Goyum Oil Press Model G-1500</p> <p>This model has been designed in a simple and symmetrical shape. Used as expeller or press. Ser no. 512 with 180HP ABB motor. Built 2007.</p> <ul style="list-style-type: none"> • Capacity: 140 to 150 Ton (In 24 Hours) in pre-pressing and 50-60 Ton in Single & Final crushing (Capacity differs with material density & quantity of oil in it.). • Triple Reduction Gear Box with helical gears of cast steel and pinion shafts of special steel. Gearbox is aligned with all the bodies on a single fabricated base. • This expeller has Three chambers of Cast Steel, vertically hinged. Each of 36" long. • Cake thickness can be adjusted on running Machine. • Worm Assembly, discharge ring, compression ring are all hard faced welded. • Main Worm Shaft can be withdrawn without disturbing the Gear Box. The shaft is water cooled. • Crammer Shaft for extra cramming of the Seed or Cake in the feed body is completely supported on Bearings. <p>Overall Machine Dimensions approx Length:3550 mm, Breadth:1300 mm, Height:3600 mm (including motor for kettle gearbox)</p>	<p>Used - Very Good</p>
<p>Press, Oil Press 60-150 TPD Asset ID: 1470 Goyum</p>	<p>NEW, never installed. Goyum oil press Model G-1500. Capacity: 140 to 150 Ton (In 24 Hours) in pre-pressing and 50-60 Ton in Single & Final crushing (Capacity differs with material density & quantity of oil in it.). This model has been designed in a simple and symmetrical shape. Used as expeller or press. Ser no. 512 Has NO Motor. (Designed for 180HP). Built 2007. Triple Reduction Gear Box with helical gears of cast steel and pinion shafts of special steel. Gearbox is aligned with all the bodies on a single fabricated base. This expeller has Three chambers of Cast Steel, vertically hinged. Each of 36" long. Two of the 3 cage assemblies have been removed.</p> <p>Cake thickness can be adjusted on running Machine. Worm Assembly, discharge ring, compression ring are all hard faced welded. Main Worm Shaft can be withdrawn without disturbing the Gear Box. The shaft is water cooled. Crammer Shaft for extra cramming of the Seed or Cake in the feed body is completely supported on Bearings. Overall Machine Dimensions (Approx.) Length:3550mm, Breadth:1300mm, Height:3600mm (including motor for kettle gearbox)</p>	<p>New, Old Stock</p>

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Screw Press 60-70 TPD Asset ID: 8403 Krupp</p>	<p>Krupp EP-07 Press, used. We have primed and painted and cleaned it inside and out so the press actually looks as good as if it had been rebuilt. Used As Is, The last application was soybeans where it was running at a capacity of 60-70 TPD on extruded soybean material. Solid Shaft. Discharge has Lump Breaker installed. The press comes with 150 H.P. motor 230/460v 3/60, V-belt drive with pulley. Capacity up to 75 to 80 TPD. It has been setup for a full pressing application but was originally a pre-press and should be able to reconfigured to that (pre-press) if desired.</p>	<p>Used - Excellent Ft. Worth, TX</p>
<p>Screw Press, Sprout Bauer 100 tpd Asset ID: B2107 Sprout-Bauer</p>	<p>Screw Press dewatering press by Andritz Sprout-Bauer Model 575. Main drive Siemens 75 HP motor 460/360 at 1780 rpm. With Falk gear reducer. Capacity approximately 100 short tons per day (tpd) depending on feed stock. Last used for pressing corn germ. See drawing in Links for details. Qty (3) presses - priced separately</p>	<p>Used - Good Peoria, IL</p>

Process		9 Items
<p>Condensate Package Asset ID: Z-4101 Wheeler tank</p>	<p>Condensate collection package. Includes Wheeler tank vertical and Goulds condensate pump (see asset PC-4101) 3x4-10 pump/motor/bedplate. Mfg by Campbell Sevey sn 4872-B ASME NB # 12171 MAWP 150 psig at 450F. Used as Beer column condensate collection package. Physical size of skid is approx 4' W x 9'8" L x 12'-8" Tall. Estimated total weight 3,000 lbs. If take tank off for shipping, Tank would be 3' W x 12'-5" L x 4' Tall and Skid would be 4'W x 9'8"L x 7'4" Tall.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Disintegrator Asset ID: X-5210 GEA Barr Rosin</p>	<p>Disintegrator. Size 84" dia x 42" wide cold disintegrator. Beater section 3' 6" wide x 84" dia. Overall dimensions 10' 6" length x V-belt drive (5 grooves) by 150 HP motor at 900 rpm for an operating speed of 278 rpm TEFC frame 449T 460/3/60. See link for drawing.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Exhaust Hood Asset ID: E2364</p>	<p>Exhaust hood Dimensions: 76"W x 61"D galvanized</p>	<p>Jacksonville, IL</p>
<p>Exhaust hood Asset ID: E2366</p>	<p>Exhaust hood 72"W x 56"D galvanized</p>	<p>Jacksonville, IL</p>
<p>Flare Asset ID: ME-4571</p>	<p>Methanator flare fed by 1/2" natural gas line. Located on top of methanator bldg.</p>	<p>Used - Good Vicksburg, MS</p>
<p>HydroHeater Asset ID: JE-3150 Hydro Thermal</p>	<p>HydroHeater. Jet cooker. Mfg by Hydro Thermal.com. Model K513-AS. Serial number 61992. Direct steam injection for jet cookers. Uses a Fisher pneumatic reverse-acting diaphragm actuator. Wetted parts 316 ss, stellite internals. Rated at 150 psi at 400F. Designed for ethanol "beer" at 576 gpm 150F IN/185F OUT. Density 8.24, 12% solids. Connections: 4" inlet, 4" discharge. Overall length 58". See Links for more information (Note: Drawing is for a different model K514 and is shown as representative only. All sizes and weights are not correct for a K513 hydro Heater).</p>	<p>Used - Good Canton, IL</p>
<p>Transesterification Skid 3rd Stage Asset ID: X2085</p>	<p>This skid is named "Plant 5" in IKA drawings. See GA and ISO in Links.</p>	<p>Unrated Mississippi</p>
<p>Transesterification Skid Primary Asset ID: X2083</p>	<p>Reactor skid for transesterification of oil for biodiesel. Used for 1st stage transesterification. Missing all IKA shear pumps and mixers. Still has 3 mass flow meters. Primary skid. This skid is named "Plant 3" in IKA drawings. See GA and ISO in Links.</p>	<p>Unrated Mississippi</p>

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Listed in Category Order. Click on an Asset Name for more details.

<u>Transesterification Skid Secondary</u> Asset ID: X2084	Reactor skid for transesterification of oil for biodiesel. This skid is named "Plant 4" in IKA drawings. Secondary skid. See GA and ISO in Links	Unrated Mississippi
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Process/CIP / COP		1 Items
<u>COP Tanks & Systems</u> Asset ID: 1975 China	<p>Clean Out of Place (C.O.P.) tanks - .All stainless steel 304. These are all new tanks. The quote offered is for this configuration but we offer 4 different sizes and configurations. COP tank length 10 ft x width 24 " x depth 22 ". Overall height 40 ". Internal spray manifolds and external spray manifolds. Solution pump: 5 HP 3,500 rpm 230v 3/60. Includes (4) 6" caster wheels. See tank drawing in Document Link.</p> <ul style="list-style-type: none"> • For 6 foot long COP tank subtract \$1,500 from quotation • For 8 foot long COP tank subtract \$600 from quotation • For 12 foot long COP tank, add \$1,350 to quotation • Note: a pipe draining rack can be provided, we can furnish COP tanks with or without recirculating pump <p>The above outlined Clean Out of Place (C.O.P.) Tanks may be available for shipment, from the manufacturer's factory (China) in an estimated 60 days from date of receipt of an order. Shipping time from the manufacturer's factory to a California Port of Disembarkation is currently erratic; however, believed to be 21-25 days. Terms of Payment: Fifty Percent (50%) deposit with your order Fifty Percent (50%) balance when ready for shipment</p>	NEW Long Beach, CA

Process/Cooling Tower		1 Items
<u>Cooling Tower Fans</u> Asset ID: BF-9420 Hudson	Two cooling tower fans - sold as a set. Tower is not moveable - fans and drives only for sale. Fan description: Hudson induced draft fans 14 ft dia - 8 blades, blade type H. Designed for 316,690 cfm. Fan speed 272 rpm. Each fan has a right angle gear unit Amarillo Gear. Driven by 75 HP motor. See links for data sheet and drawing. Used as cooling tower blades for DDE Evap. Qty (2) - priced for the set	Used - Good Canton, IL

Process/Reactor		8 Items
<u>Catalytic Converter Reactor</u> Asset ID: 41-R-168 Wagner	Catalyst Converter designed for 3.9 MMBTU/hr. Design specifications are for 14,500 gallons/day crude methanol or 12,500 gal/day mixed alcohols. Mfg by Wagner Plate Works in 2009. Size approx 7 ft dia ID x 19'-11" s/s x 31 ft overall height for approximately 7,600 gallons capacity - tube bed approx 17 ft long. Has 1,028 x 1.9" O.D. tubes Sch 80 stainless steel TP304L, shell cs 516-70 4 inch thick. ASME Nat'l Bd# 55, MAWP shell 2250 psig/FV at 650 F. MAWP tubes 1650 psig at 650F. Converter currently loaded with approx 150 cu ft methanol catalyst - Sud Chemie MegaMax 700. Still installed - price does not include removal. Shipping size will be about 12 ft x 12 ft x 35 ft long. Note: we have the complete reactor module as well with all pieces shown in photos plus instruments - see asset ID FP411.	Used - Very Good Soperton, GA

Listed in Category Order. Click on an Asset Name for more details.

<p>Cavitation Reactor Asset ID: 2446 Hydro Dynamics</p>	<p>Shockwave Power Reactor</p> <p>Shockwave Power (cavitation) Reactor. Model BD50.Total input flow rate is 100gpm, driven by 200HP, and an annual capacity of 55MM / gallon (based on continuous flow and 95% uptime. Idled in 2019 Harnessing the power of cavitation, the Shockwave Power Biodiesel Reactor drives the transesterification reaction to completion in seconds. In true continuous or batch systems, the SPR gives biodiesel producers greater feedstock flexibility and the power to achieve consistently superior quality. The SPR can improve processes to reduce monoglycerides and reduce catalyst utilization.</p>	<p>Used - Good Rome, GA</p>
<p>Cavitation Reactor Asset ID: 2447 Hydro Dynamics</p>	<p>Shockwave Power Reactor</p> <p>Shockwave Power (cavitation) Reactor. Model BD15. Total input flow rate is 30 gpm, driven by 60 HP motor, and an annual capacity of 15MM / gallon (based on continuous flow and 95% uptime). Idled in 2019 Harnessing the power of cavitation, the Shockwave Power Biodiesel Reactor drives the transesterification reaction to completion in seconds. In true continuous or batch systems, the SPR gives biodiesel producers greater feedstock flexibility and the power to achieve consistently superior quality. The SPR can improve processes to reduce monoglycerides and reduce catalyst utilization.</p>	<p>Used - Good Rome, GA</p>
<p>Fischer-Tropsch Reactors Asset ID: B-1012 Velocys</p>	<p>Velocys Fischer-Tropsch reactors - NEW, Never Used. Each reactor was designed to run 175 barrels per day. Quantity (4) reactors - priced for the LOT. Also available (6) charges of catalyst for these 4 reactors</p>	<p>NEW Houston,TX</p>
<p>Reactor Asset ID: AF4</p>	<p>Reactor vessel. Stainless steel reactor. Material assumed to be ss304. Custom reactor for particle production with gas feeds site ports, instrument ports. Dwyer differential pressure transmitter. Stir/agitator motor drive for shaft at top, 10HP at 1770 rpm. Reactor size is 34" dia x 98" tall for capacity of 350 gallons Mounted on carbon steel frame. Frame size is 53" x 59" x 157" tall.</p>	<p>Used - Very Good Illinois</p>
<p>Reactor Hydrogenation Asset ID: 1751 DVC Process Technologies</p>	<p>Hydrogenation reactor stainless steel 304. NEW reactor - Volume 20 cu M for a 12.5 MT batch size. (5358 gallons) Has edible oil capacity of 42,000 pounds - designed to run 35,000 pound batches. Cylindrical tank with heating/cooling coils, nozzles for oil, sight glass, hydrogen ports, top mounted agitator. MAWP 90 psig at 500F. OD 2000 mm x height 8000 mm. Shipping dimensions L x W x H are 8000 x 2300 x 2500. Will fit into a 40 ft HC container. NEW reactor so we can design to your needs - lead time 10-12 weeks. FOB India Port Nhava Sheva</p>	<p>NEW India</p>
<p>Reactor, ss Jacketed Asset ID: R-1 Paul Mueller</p>	<p>Stainless steel reactor with top entering agitator, level probe, Steam Jacket. Arranged with side lugs, mounted on legs. Size 4'-8" dia x 5'-10" seam to seam (overall tank height including heads is 100"), for capacity of approx 750 gallons. Legs 41". Material ss394L. Built by Paul Mueller in 1992, serial number P38961-15. ASME Nat'l Bd# 20993 MAWP 38 psig at 200F. Ekato top entering agitator type EM 2060, sn 51421-10. 5 HP motor 1800 rpm with gear reducer for agitator shaft rpm 162 rpm. Has 2-bladed axial flow 27" impeller with bottom 19" impeller. Nameplate missing - Still installed. See U-1 form and drawing in Link.</p>	<p>Used - Good Morristown, IN</p>
<p>Reactor, ss Jacketed Asset ID: R-2 Precision Stainless</p>	<p>Stainless steel reactor with top entering agitator, level probe, Has steam jacket. Arranged with side lugs, mounted on legs. Size 4'-8" dia x 5'-10" seam to seam (overall tank height including heads is 100"), for capacity of approx 750 gallons. Legs 41". Material ss394L. Built by Paul Mueller in 1992, serial number P38961-16. ASME Nat'l Bd# 20994 MAWP 38 psig at 200F. Ekato top entering agitator type EM 2060, sn 51421-10. 5 HP motor 1800 rpm with gear reducer for agitator shaft rpm 162 rpm. Has 2-bladed axial flow 27" impeller with bottom 19" impeller. . Nameplate missing - still installed. See U-1 form and drawing in Link.</p>	<p>Unrated Morristown, IN</p>

Process/Refining

1 Items

Listed in Category Order. Click on an Asset Name for more details.

<p>Deodorizer Vessel SS Asset ID: 7472</p>	<p>500 Gallon Deodorizer Vessel Design</p> <ul style="list-style-type: none"> • NEW, not built yet so we can design to your specs. • Size: 42 in Dia by 7 ft sidewall with dished top and bottom heads • Rating: Full Vacuum at 500 F. MOC: 304L SS, Coils: 304L SS Sch 80 pipe rated 150 psig at 300 F for Cooling Water with 15 turns Sparger Coil: 304 L with 3 turns and 10 - 1/8" holes facing down • Nozzles: 2 in Oil Inlet, 2 in Oil Outlet, 1 in Temperature Transmitter, 1 in Pressure Transmitter, 8 in Vacuum, 1 in Sample, 18 in Manhole, 2 in sight glass, 1 in CW in, 1 in CW out, 1 in Steam In, 8 in heater flange • Supports: 4 Lugs <p>All vessels are designed and constructed according to the ASME Boiler & Pressure Vessel Code Section VIII Division I, but will NOT be 'U' stamped. In addition, the system and components are designed to facilitate maintenance where required. Delivery: 8 to 12 weeks after final drawing approval. Photo is not actual Deodorizer Vessel - similar item shown for reference only.</p>	<p>NEW</p> <p>Springfield, MO</p>
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Process/Vacuum		5 Items
<p>Steam Ejectors Asset ID: B2078 Graham</p>	<p>Graham Steam Ejector System 2-stage, Includes 8" Barometric Precondenser water rated FV & 15 psig. SN: 17-14060-1. We count (6) precondensers, and 5 steam ejectors. Incomplete systems. There should be (3) complete sets there but Buyer will have to inspect. Two skids - priced for the LOT.</p>	<p>Used - Fair</p> <p>Peoria, IL</p>
<p>Ultra High Vacuum System Asset ID: V1001</p>	<p>Ultra-high Vacuum (UHV) system</p> <p>Vacuum system is designed to simulate the space environment of a geosynchronous satellite. This includes considerations for vacuum, temperature, radiation, and other factors. Base pressures 1 x 10⁻⁹ to 1 x 10⁻¹⁰ torr. Main pieces listed below - See Details of each in Link.</p> <p>Features</p> <ul style="list-style-type: none"> • Vacuum Chamber: Ultra-high vacuum chamber with all sensors / gauges to simulate the space environment of geosynchronos satellites • Pumping System, Pfeiffer molecular diffusion vacuum pump • Temperature Control • Monitoring and Control System • Safety System, interlocks <p>Capabilities</p> <ul style="list-style-type: none"> • Radiation Simulation • Solar Simulation 	<p>Like New</p> <p>Colorado</p>
<p>Vacuum Eductor Jet Pump Asset ID: VE-4301 Elko</p>	<p>Vacuum eductor Jet Pump using water as motive force pulling vacuum on evap condenser E-4503 to Molecular sieves. Tyco Model ELL6. Water inlet 6"/outlet 6". Vapor inlet to chest is 4". Designed for vapor input of 60.6 scfm at 105F. Material 316 stainless steel. Motive fluid ethanol/water (68%/32%) at 95F, 100 psig. Vacuum suction fluid air, CO2, ethanol & water vapor at 2 psia 60.6 scfm. See spec sheet in Link.</p>	<p>Used - Good</p> <p>Vicksburg, MS</p>

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Listed in Category Order. Click on an Asset Name for more details.

<p>Vacuum System Steam Ejector Asset ID: 7114 Gardner Nash Kinema</p>	<p>2 Stage steam ejector vacuum system. Gardner Nash Kinema Master Serial number 844042: barometric condenser PY, 1st stage steam ejector Y, intercondenser YZ, and 2nd stage steam ejector Z. Gardner Nash Kinema project #1961499, sales order# 1407528. Last used with a thin film dryer. System removed and ready to load. RD-?</p>	<p>Used - Fair Texas</p>
<p>Vacuum System Steam Ejector Asset ID: 7115 Nash Kinema</p>	<p>2 Stage steam ejector vacuum system. Nash Kinema Master serial # 844402, serial number for the set 9104082. Barometric condenser PY, 1st stage steam ejector Y, intercondenser YZ, 2nd stage steam ejector Z. Missing 2nd stage steam ejector (EJ-0315) but we can order it for you. Used - Last used with a thin film dryer - removed and ready to load. RD-79</p>	<p>Used - Fair Texas</p>

Pump		3 Items
<p>Centrifugal Pump ss Asset ID: PC-5201 Goulds</p>	<p>Goulds Pump model 3196 designed for 210 gpm @ 70 TDH. Size 3x4-10. Material ss316 wetted parts. Driven by motor HP 10 RPM 1800 Last used as Thin Stillage Pump.</p>	<p>4 Canton, IL</p>
<p>Vertical Bowl Pump Asset ID: PP-4001B Cascade Pump Company</p>	<p>Cascade Pump vertical bowl pump - 1 stage Model 12MFCA, ser nm 16910. Designed for capacity 3200 gpm @ 40 TDH. Size 12" pipe, Bowl depth from flange is 4'-10", Material CS. Impeller AA#-31. Driven by HP 40 RPM 1750. Last used as Regen Condenser Spray Pump.</p>	<p>Used - Good Canton, IL</p>
<p>Vertical Bowl Pump Asset ID: PP-4002B Cascade</p>	<p>Cascade vertical bowl pump - 2 bowls. Model 6MF-2 with impeller XA4-39. Impeller dia 7-3/4". Serial number 16911. Designed for capacity 800 gpm @ 40 TDH. Size 8" pipe, Bowl depth from flange is 4'-8". Driven by HP 15 RPM 1750. Used as Evap Condenser Spray Water on Lurgi tower DDE.</p>	<p>Used - Good Canton, IL</p>

Pump/Centrifugal		54 Items
<p>Centrifugal Pump Asset ID: 7137G</p>	<p>Centrifugal pump with Baldor Super-E Cat. No EM3771T, Spec 07H02W279, Frame 215T, 10 TE HP, sn F999, Volts 230/46, 23.8/11.9 Amps, 3525 RPM, 60 Hz, 3 phase</p>	<p>Used - Fair Grant City, MO</p>
<p>Centrifugal Pump Asset ID: 7139B Durco</p>	<p>Durco centrifugal pump. Size 2K 3x1.5-10/96. Serial 405665. Includes 50HP Marathon electric motor @ 3515 RPM. 230/460V, 116/80A. Used - will need reconditioning</p>	<p>Used - Fair Grant City, MO</p>
<p>Centrifugal Pump Asset ID: PC-8201 Goulds</p>	<p>Goulds Pump model 3196 designed for Capacity 600 gpm @ 93 TDH size 3196 - 4x6-13, impeller dia 9.75". Material DI. Driven by 30 HP motor 1800 rpm. See link for drawing and pump curve. Last used as 200 Proof Pump.</p>	<p>Used - Good Canton, IL</p>
<p>Centrifugal Pump Asset ID: PC-8204 Goulds</p>	<p>Goulds Pump model 3180 designed for 1200 gpm @ 338 TDH size 3180 - 4x8-19, impeller dia 17.8125" Material AI/SS. Driven by motor HP 200 RPM 1800. Use link for drawing and pump curve. Last used as Ethanol Loadout Pump.</p>	<p>Used - Good Canton, IL</p>
<p>Centrifugal Pump Asset ID: PC-8205 Goulds</p>	<p>Goulds model 3196 centrifugal pump designed for 50 gpm @ 125. Size 1x1.5-6. Material DI. Driven by motor HP 7.5 RPM 3600. Last used as Day Tank Pump.</p>	<p>Used - Good Canton, IL</p>

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Listed in Category Order. Click on an Asset Name for more details.

<p>Centrifugal Pump Asset ID: PC-9401 Goulds</p>	<p>Goulds Pump model 3196 designed for capacity 4,350 gpm @ 156 TDH. Size 8x10-16H, impeller dia 14.5". Material CI/DI. Driven by 250 HP motor 1800 rpm frame 449T. Motor will not hand rotate. See link for pump drawing and pump curve. Used as Cooling Tower Pump No. 1.</p>	<p>Used - Good Canton, IL</p>
<p>Centrifugal Pump Asset ID: PC-9402 Goulds</p>	<p>Goulds Pump model 3196 designed for capacity 4,350 gpm @ 156 TDH. Size 8x10-16H, impeller dia 14.5". Material CI/DI. Driven by 250 HP motor 1800 rpm frame 449T. Motor will not hand rotate. See link for pump drawing and pump curve. Used as Cooling Tower Pump No. 2</p>	<p>Used - Good Canton, IL</p>
<p>Centrifugal Pump Asset ID: PC-9403 Goulds</p>	<p>Goulds Pump model 3196 designed for capacity 4,350 gpm @ 156 TDH. Size 8x10-16H, impeller dia 14.5". Material CI/DI. Driven by 250 HP motor 1800 rpm frame 449T. Motor will not hand rotate. See link for pump drawing and pump curve. Used as Cooling Tower Pump No. 3</p>	<p>Used - Good Canton, IL</p>
<p>Centrifugal Pump Asset ID: PC-9404 Goulds</p>	<p>Goulds Pump model 3196 designed for capacity 4,350 gpm @ 156 TDH. Size 8x10-16H, impeller dia 14.5". Material CI/DI. Driven by 250 HP motor 1800 rpm frame 449T. See link for pump drawing and pump curve. Used as Cooling Tower Pump No. 4</p>	<p>Used - Good Canton, IL</p>
<p>Centrifugal Pump Asset ID: PC-4002 Goulds</p>	<p>Goulds Pump capacity 30 gpm @ 60 TDH size 3196 - 1x1.5-8 , impeller dia 7.25"., material 316ss. Driven by motor HP 3 RPM 1750. See link for drawing and pump curve. Last used as Evaporative Cooler Blow Down Pump.</p>	<p>Used - Good Canton, IL</p>
<p>Centrifugal Pump Asset ID: PC-3201 Goulds</p>	<p>Goulds centrifugal pump model 3196 STX. Size 1.5x3-6. Impeller dia 4.625 in, rated at 135 gpm at 70 ft TDH. All mounted on bedplate. Physical size 39.25" long x 12" wide x 15.44 inches tall. Driven by (HP/rpm/voltage/frame) 7.5/3600/230/213T. Part of Process Scrubber Package PK-3201, For a list of all components enter pk3201 into search box on web site.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Centrifugal Pump Asset ID: PC-4101V Goulds</p>	<p>Goulds centrifugal pump, model 3196. Size 3X4-10 with 8.25" impeller designed for 150 gpm at 70 ft TDH at 1800 rpm. Material: 316 stainless steel. Serial num 733F55043. Driven by (HP/rpm/voltage/frame) 7.5/460/1800/213T motor.sn 733F550W3. Used as a Beer Column Reboiler Condensate Pump - see asset Z-4101.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p>Centrifugal Pump Asset ID: PC-4204V Sulzer</p>	<p>Sulzer centrifugal pump, model CPT 12-1B. Size driven by (HP/rpm/voltage/frame) 15/460/3600/254T motor. Used as a Vaporizer Feed Pump sn 100091659.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p>Centrifugal Pump Asset ID: 380-PU-872 Durco</p>	<p>Recirculation pump. 4350 GPM @ 65TDH, Alloy D20, Durco Mark III Centrifugal pump, Size 3K10x8-16H/160RV. Designed for capacity 4950 gallons at 65 ft TDH. Skid mounted. Inlet 10 inch/outlet 8 inch. Driven by 125 HP motor 460v/1200 rpm .Part of Evaporator package PK-6045 and might not be able to be sold separately - Ask Us. For a list of all components, enter "pkevap" in the keyword search terms box.</p>	<p>Used - Very Good Saskatchewan, Canada</p>
<p>Centrifugal Pump Asset ID: X2074</p>	<p>Centrifugal pump. Specs unknown - last used as Cold Soak Pump West</p>	<p>Unrated Mississippi</p>
<p>Centrifugal Pump Asset ID: X2072</p>	<p>Centrifugal pump. Specs unknown - last used as Precoat Pump</p>	<p>Unrated Mississippi</p>
<p>Centrifugal Pump Asset ID: X2062</p>	<p>Centrifugal pump. Specs unknown - last used as Break Tank Pump</p>	<p>Unrated Mississippi</p>

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Listed in Category Order. Click on an Asset Name for more details.

Centrifugal Pump ss Asset ID: PC-4103 Goulds	Goulds Pump Model 3196 designed for Capacity 1300 gpm @ 55 TDH. Size 6x8-15, impeller dia 12.625". Material ss316 wetted parts. Driven by 40 HP motor 1200 rpm. See link for drawing and pump curve. Last used as Stripper Reboiler/Alc. Reflux Condenser (ET-4103) Pump. Beer bottom.	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-9107B Flowserve	Flowserve centrifugal pump - deaerator water feed. Model MK3B2D Size 2K3x2-82RV, Impeller diameter 7.44" Designed for 305 gpm at 190 ft TDH (151,890 lbs/hr). S/N 11006-1980A 2nd pump 11006-1980B, DM 11-15-2006 Min Temp 100 deg, 275 psi, MDP-D4-CF8M. Driven by 25 HP motor 3560 rpm. Last used as deaerator feed pumps CoGen.	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-9503 Goulds	Goulds Pump model 3196 designed for capacity 50 gpm @ 63 TDH. Size 1x2-10, impeller dia 7.875", ser num 728F505W3. Material wetted parts ss316. Driven by 5 HP motor 1750 rpm. Last used as Waste CIP pump.	4 Canton, IL
Centrifugal pump soft water feed Asset ID: PC-7301 Goulds	Goulds 3196 centrifugal pump model LF3196-STX 1x1.5-4 with 4.12" dia impeller. Design rating 20 gpm at 55 TDH. Ser no. A734F836. Mounted on bedplate. Weight 244 pounds. Built 2007. Last used for soft water feed pump. Part of boiler feedwater system PK-1111	Used - Very Good Vicksburg, MS
Centrifugal pump soft water feed Asset ID: PC-7302 Goulds	Goulds 3196 centrifugal pump model LF3196-STX 2x3-6 with 4.875" dia impeller. Design rating 180 gpm at 81 TDH. Driven by 7.5 HP motor at 3600 rpm. Material DI. Ser no. A734F837. Mounted on bedplate, Weight 370 pounds. Built 2007. Last used for soft water feed pump. Part of boiler feedwater system PK-1111	Used - Very Good Vicksburg, MS
Centrifugal Pump ss Asset ID: PC-7901 Goulds	Goulds centrifugal pump, model 3196 MTX. Casing & impeller are stainless steel CD4MCU (corrosion and abrasive resistant). Size 2X3-10 with 7.125" impeller designed for 270 gpm at 193 ft TDH. Mechanical seal. Sn A734F846. Driven by 30 HP motor 3600 rpm TEFC frame 286TS 460/3/60. All mounted on baseplate. Physical size 52" long x 15" wide x 22.3" tall, weight 906 pounds. Pump specs, pump curver, and dimensions available in linked drawing. Used as a Reclaim Water Pump.	Used - Good Vicksburg, MS
Centrifugal Pump ss Asset ID: X2104 Goulds	Goulds centrifugal pump, model 3196. Size 1.5 x 3-8 with 5.5 inch impeller. 3600 rpm. Designed for 92 gpm at 102 ft TDH. Material CD4MCU - stainless steel. Includes pump, motor, coupling, and bedplate	Unrated Mississippi
Centrifugal Pump ss Asset ID: PC-4105 Goulds	Goulds Pump Model 3196 designed for 560 gpm @ 90 TDH. Size 4x6-17, impeller dia 14.625". Material ss316 wetted parts Driven by motor HP 30 RPM 1180. See link for drawing and pump curve. Last used as Beer Col. Feed Pump	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-4110 Goulds	Goulds model 3196 STX designed for capacity 55 gpm @ 230 TDH. Size 1x1.5-8, impeller dia 7.125". Material ss316 wetted parts. Driven by motor HP 15 RPM 3550. See link for drawing and pump curve. Last used as Rectifier Bottoms Pump in DDE	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-4204 Goulds	Goulds Pump Model 3196 rated at 100 gpm @ 140 TDH, sn 729F51743. size 1.5x3-13, impeller 12.375. Material ss316. Driven by 15 HP motor 1750 rpm. See link for drawing and pump curve. Last used as Condenser Condensate Pump under TP-4204	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-4205 Goulds	Goulds Pump Model 3196, designed for Capacity 150 gpm @ 150 TDH. Size 2x3-13, impeller dia 12.250". Material ss316 wetted parts. Driven by motor 20 HP RPM 1770. See link for drawing and curve. Last used as Rectifier Column Feed Pump	4 Canton, IL

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Listed in Category Order. Click on an Asset Name for more details.

Centrifugal Pump ss Asset ID: PC-4208 Goulds	Goulds Pump model 3196 MTX designed for Capacity 50 gpm @ 60 TDH. Size 1x2-10, impeller dia 8.635". Material ss316 wetted parts with seal pot. Driven by motor HP 7.5 RPM 1750. Last used as pump to 2nd effect Syrup Tank (TF-5301) pump at DDE	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-4303 Goulds	Goulds model 3196 designed for capacity 100 gpm @ 60 TDH. Material wetted parts ss304. Size 1.5x3-10, impeller dia 8". Ser num 729F521P3. Driven by explosion proof 5 HP motor RPM 1750. See link for drawing and curve. Used as Regen Condensate Pump in DDE cooling tower.	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-4304 Goulds	Goulds Centrifugal Pump 3196. Model 1x2-10 with impeller 9.5" Designed for 30 gpm @ 105 TDH size 1x2-10. Material ss316 wetted parts. Driven by motor 5 HP 5 RPM 1750 New head. Last used as Depressurization Condensate Pump for TP-4304 at DDE Lurgi tower	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-7201B Goulds	Goulds Pump Model 3196 designed for capacity 100 gpm @ 73 Head. Size 2x3-8, impeller 8.375". Wetted parts ss316. Ser num A774F031. Driven by 5 HP motor at 1800 rpm. Used as pump at cook tube.	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-9504 Goulds	Goulds Pump model 3196 designed for capacity 250 gpm @ 202 TDH. Size 2x3-10, impeller dia 7.125", ser num 729F506W3. Material wetted parts ss316. Driven by 40 HP motor 3560 rpm. Last used as Acid Wash Pump.	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-9550A Goulds	Goulds Pump model 3196 designed for Capacity 500 gpm @ 90 TDH. Size 3x4-13, impeller dia 9.625". Material ss316 with seal pot. Driven by 25 HP motor 1800 rpm. See link for drawing and pump curve. Last used as CIP drain pump #1.	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-9550B Goulds	Goulds Pump model 3196 designed for Capacity 500 gpm @ 90 TDH. Size 3x4-13, impeller dia 9.625". Material ss316 with seal pot. Driven by 25 HP motor 1800 rpm See link for drawing and pump curve. Last used as CIP drain pump #2	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-3502 Goulds	Goulds Pump model 3196. designed for Capacity 60 gpm @ 86 TDH, Size 1x1.5-6, impeller dia 4.625". HP 5 RPM 3600 Material 304 SS. Last used as Process Scrubber Pump. For more detailed data and a drawing of this vessel - see links. This unit is part of the scrubber Package. For a list of that package and all components, enter "PK3501" into the keyword search box.	4 Canton, IL
Centrifugal Pump ss Asset ID: PC-3601 Goulds	Goulds Pump model 3196 designed for Capacity 30 gpm @ 104 TDH size 1x2-10, impeller dia 9.375". Material ss316. Driven by 7.5 HP motor 1800 rpm. See link for pump drawing and pump curve. Last used as AA Enzyme Mix Pump	Used - Good Canton, IL
Centrifugal Pump ss Asset ID: PC-3604 Goulds	Goulds Pump Model 3196 Capacity 30 gpm @ 104 TDH size 1x2-10, impeller dia 9.375. Material ss316. Driven by motor HP 7.5 RPM 1800. See link for pump curve and drawing. Last used as GA Enzyme Mix Pump	3 Canton, IL
Centrifugal Pump ss Asset ID: PC-3606 Goulds	Goulds Pump model 3196 designed for capacity 60 gpm @ 109 TDH size 1x1.5-6 Impeller dia 5.25", Material ss316. Driven by motor HP 7.5 RPM 3600. See link for pump curve and drawing. Last used as Enzyme Blend Tank Pump	3 Canton, IL
Centrifugal Pump SS Asset ID: 7137A Summit	Summit centrifugal pump, stainless steel wetted parts. Model 2196. Size 3 x 4-13, impeller dia 12.25. ser 331303. Originally designed fo a 40HP Baldor electric motor @ 1760 RPM. 230/460V. We are offering ss pump, bedplate - Only. If you want motor, please add \$400 and we will mount a used working TEFC 40 HP motor on pump/bedplate. Price includes loading on your truck	Used - Fair Grant City, MO

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Centrifugal Pump ss Asset ID: PC-3201C Goulds</p>	<p>Goulds pump model 3180 10x12-16 designed for 3800 gpm at 68 TDH. Impeller dia 390x350 (15.38" x 13.75"). Sn 258C051-3. Wetted parts 316ss, Has John Crane mechanical seal. Motor 125 HP, 1190 rpm 460/230 3/60, TEFC, frame 445T. Includes pump, base, motor, coupling, guard. See link for drawing and pump curve. Last used as Fermenter Pump 3.</p>	<p>Used - Good Canton, IL</p>
<p>Centrifugal Pump ss Asset ID: PC-3201A Goulds</p>	<p>Goulds pump model 3180 10x12-16 designed for 3800 gpm at 68 TDH. Impeller dia 390x350 (15.38" x 13.75"). Sn 258C051-1. Wetted parts 316ss, Has John Crane mechanical seal. Motor 125 HP, 1190 rpm 460/230 3/60, TEFC, frame 445T. Includes pump, base, motor, coupling, guard. See link for drawing and pump curve. Last used as Fermenter Pump 1.</p>	<p>Used - Good Canton, IL</p>
<p>Centrifugal Pump ss Asset ID: PC-3201B Goulds</p>	<p>Goulds pump model 3180 10x12-16 designed for 3800 gpm at 68 TDH. Impeller dia 390x350 (15.38" x 13.75"). Sn 258C051-2. Wetted parts 316ss, Has John Crane mechanical seal. Motor 125 HP, 1190 rpm 460/230 3/60, TEFC, frame 445T. Includes pump, base, motor, coupling, guard. See link for drawing and pump curve. Used last as Fermenter pump.</p>	<p>Used - Good Canton, IL</p>
<p>Centrifugal Pump, ss Asset ID: 5994 Waukesha</p>	<p>Waukesha Cherry Burrell Centrifugal Pump, stainless steel. Close coupled with motor. 10 HP Baldor-Reliance- 2x2. S/N 1000002442475</p>	<p>Unrated Jacksonville, IL</p>
<p>Condensate Pump Asset ID: X2043</p>	<p>Centrifugal condensate pump at condensate receiver. Vertical. Driven by 5HP motor. Specs unknown</p>	<p>Unrated Mississippi</p>
<p>Cooling Tower Pump Asset ID: PC-7101AV Goulds</p>	<p>Goulds centrifugal pump, model 3410L. Size 10x12-17 with 15.75" imp dia designed for 5,185 gpm at 198 ft TDH. Driven by 350 HP motor 1800 rpm 4160v. Frame G5008Z. All mounted on bedplate, Estimated physical size 40" x 96" long x 37" tall. Weight 7705 pounds. Was pumping water; Used as a Cooling Tower Pump. NOTE: This equipment is for sale but currently installed and not available until late 2023.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Cooling Tower Pump Asset ID: PC-7101BV Goulds</p>	<p>Goulds centrifugal pump, model 3410L. Size 10x12-17 with 15.75" imp dia designed for 5,185 gpm at 198 ft TDH. Driven by 350 HP motor 1800 rpm 4160v. Frame G5008Z. All mounted on bedplate, Estimated physical size 40" x 96" long x 37" tall. Weight 7705 pounds. Was pumping water; Used as a Cooling Tower Pump.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Cooling Tower Pump Asset ID: PC-7101C Goulds</p>	<p>Goulds centrifugal pump, model 3410L. Size 10x12-17 with 15.75" imp dia designed for 5,185 gpm at 198 ft TDH. Driven by 350 HP motor 1800 rpm 4160v. Frame G5008Z. All mounted on bedplate, Estimated physical size 40" x 96" long x 37" tall. Weight 7705 pounds. Was pumping water; Used as a Cooling Tower Pump.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Cooling Tower Pump Asset ID: PC-7101D Goulds</p>	<p>Goulds centrifugal pump, model 3410L. Size 10x12-17 with 15.75" imp dia designed for 5,185 gpm at 198 ft TDH. Driven by 350 HP motor 1800 rpm 4160v. Frame G5008Z. All mounted on bedplate, Estimated physical size 40" x 96" long x 37" tall. Weight 7705 pounds. Was pumping water; Used as a Cooling Tower Pump.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Cooling Tower Pump Asset ID: PC-7101E Goulds</p>	<p>Goulds centrifugal pump, model 3410L. Size 10x12-17 with 15.75" imp dia designed for 5,185 gpm at 198 ft TDH. Driven by 350 HP motor 1800 rpm 4160v. Frame G5008Z. All mounted on bedplate, Estimated physical size 40" x 96" long x 37" tall. Weight 7705 pounds. Was pumping water; Used as a Cooling Tower Pump.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Cooling Water Booster Pump Asset ID: PC-7103 Goulds</p>	<p>Goulds centrifugal pump, model 3196. Size 4X6-10G driven by (HP/rpm/voltage/frame) 20/1800/460/256T motor. Used as a Cooling Water Booster Pump sn A734F841.</p>	<p>Used - Good Vicksburg, MS</p>

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Listed in Category Order. Click on an Asset Name for more details.

Positive Displacement Pump Asset ID: X2013	Positive displacement pump. Specs unknown - last used as a Stripper feed pump	Unrated
		Mississippi
Pump, Sanitary Centrifugal Asset ID: 5993 Waukesha	Stainless Steel close coupled sanitary centrifugal pump. Waukesha S-line Model C218. 2 x 1 1/2 - 8. Max capacity 217 gpm @ 42 ft head. Gator Motor is 5 HP, 1765 rpm 460v 3/60. All wetted parts are stainless 316L. Open impeller design for easy cleaning, CIP capability.	Unrated
		Jacksonville, IL
Vertical Centrifugal Pump Asset ID: X2051	Vertical centrifugal pump. Specs unknown - last used as Scrubber pump.	Unrated
		Mississippi

Pump/Magnetic Coupled		2 Items
Centrifugal Magnetic Pump Asset ID: 2029 Klaus Union	Klaus Union centrifugal magnetic drive pump - NEW (old stock), unused in original crate. This pump has a permanent magnetic synchronous coupling. This is pump only, no motor. Type SLM N 100-200-160 S 3 GU OE, Contract number 1.054232-0001, series P00056621. Size 4x5. Built 2004 Designed for 224.73 m3/hr at 50.34 m head. (989 gpm at 165 ft TDH. Developed HP = 125 HP). 3550 rpm with calculated power at 93 kw. (no motor supplied). Ready to load	New, Old Stock
		Illinois
Non-Seal Pump Asset ID: 2031 Nikkiso	Nikkiso non-seal pump (sealless). This pump is new unused. still in original crate. Also called canned-motor pumps. Leak free pump best suited for use with chemical industry for metering critical chemicals/fluids. Nikkiso Non-Seal Pump Model HX22C-5 Item No 3027-1200-7, Designed for 30 gpm at 129.7 Ft TDH. Output 4.96 HP 460v 3/60 3600 RPM. Ready to load	New, Old Stock
		Illinois

Pump/Metering		8 Items
Gear Pump ss Asset ID: PR-4109 Oberdorfer	Oberdorfer Chemsteel pump, design capacity 1 gpm @ 40 TDH HP 0.33 RPM Motor 0.5 HP 1750 Material 304 SS Model R10316CB-F53. Designed for highly corrosive liquids Last used as Fusel Oil Pump	4
		Canton, IL
Metering Mag Pump Asset ID: PM-3602 Zenith	Zenith Mag Pump 1 capacity 0.1 gpm @ 77 TDH size C9000-1.2. Material 316SS. Connections 1/4" x 1/4" No seal - magnetically driven. Driven by motor HP 0.5 RPM 1800. 0.25" NPT Inline helical reducer ratio of 3:1 Model C-9000-1.2cc/rev, pump speed 30 to 583 rpm. Last used as AA Enzyme Pump No. 1.	Used - Good
		Canton, IL
Metering Mag Pump Asset ID: PM-3603 Zenith	Zenith Mag Pump capacity 0.1 gpm @ 77 TDH size C9000-1.2. Material 304 SS. No seal - magnetically driven. Connections 1/4" x 1/4" Driven by motor HP 0.5 RPM 1800. Feeds Yeast Propagation - .25 NPTF Inline helical reducer ratio of 3:1 Model C-9000-1.2cc/rev, pump speed 30 to 583 rpm. Last used as AA Enzyme Pump No. 2.	Used - Good
		Canton, IL
Metering Mag Pump Asset ID: PM-3605 Zenith	Zenith Mag Pump capacity 1 gpm @ 105 TDH size C9000-9.0. Material 304 SS. Connections 1/2" x 1/2". No seal - magnetically driven. Driven by motor HP 0.5 RPM 1800. Inline helical reducer ratio of 3:1 Model C-9000-9.0 cc/rev, pump speed 30 to 540 rpm .50 NPTF. Last used as GA Enzyme Pump.	Used - Good
		Canton, IL
Metering Pump H2SO4 Asset ID: PM-8512 Eaton	Eaton metering pump designed for capacity 15.3 gph @ 29 TDH Material PVC, metering pump model FNPT1/2-W-S-UL. Material PVC Acid pump - max ratings up to 150 psi and 111 gph. Driven by 1/2 HP motor 1725 rpm 110/230v 3/60	Used - Good
		Canton, IL

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Listed in Category Order. Click on an Asset Name for more details.

<p>Positive Displacement Pump Asset ID: PR-5302 Vican</p>	<p>Vican positive displacement pump (Viking) with gear and internal relief valve set at 70 psi. Model LL124, designed for capacity 70 gpm @ 82 psig. Pump runs at 350 rpm. Gear unit 5.08:1 ratio. Material 316 SS. Serial # 225202. Driven by 10 HP motor, 1760 rpm. Last used as Syrup Loadout Pump</p>	<p>Used - Good Canton, IL</p>
<p>Positive Displacement Pump ss Asset ID: PR-5301 Vican</p>	<p>Vican (Viking) positive displacement pump with gear and internal relief valve set at 70 psi. Model KK124SS, designed for capacity 50 gpm @ 54 psig. Pump runs at 350 rpm, gear ration 5.06:1 . Material 316 SS. Serial # 025201. Driven by 7.5 HP motor, 1750 rpm. Last used as Syrup Blending Pump</p>	<p>Used - Good Canton, IL</p>
<p>Pulse pump Asset ID: PM-4560 Pulsatron</p>	<p>Pulsatron positive displacement pump, model Pulsatron. Size 304613 Used as a Pulse pump sn LPE4SA-PTC1-XXX.</p>	<p>Used - Very Good Vicksburg, MS</p>

Pump/MultiStage		1 Items
<p>Vertical Multistage Pumps and MCC Asset ID: PK-2097 Simflo</p>	<p>Simflo Vertical 7-stage Multistage pump. Motor is 300 HP, 3565 rpm 460v 3/60 inverter duty. Model SD10C. (New model cross references to SP10L - same pump). Pump designed for 600 gpm at 1245 ft TDH. Includes MCC with VFD drives and the portable building the MCC is in.</p> <ul style="list-style-type: none"> You are only purchasing two pumps with motors (no piping or anything in background of the pictures). Purchase DOES include complete MCC building w/ VFD's and MCC. Will be an oversized load. Price is for the LOT. <p>Package Includes:</p> <ul style="list-style-type: none"> Two (2) Simflo (Simmons) Vertical pumps Model SD10C (SP10L is new model # but same pump) 7-Stage, 600 gpm at 1245 ft/head, 300 HP Bowl dia 10.19", BEP head 158 ft per stage MCC Portable Building MCC 4000A Cutler-Hammer Advantage Series 2100 480 V 3 Phase 3-wire 60 Hz 3200 A Sect.1-2 800 amp Sect.3-5 1200 amp w/ 4000 amp Main and Breakers for each VFD/pump and includes spare breaker Starters installed in MCC (2) Allen-Bradley VFD's - CAT # 1336E-BP350-AN-CM-EN AC Input: 300-378 KVA 380-480 V 455 amps 50/60 Hz 3 Phase AC Output: 366 KVA 0-460 V 459.2 amps 0-400 Hz 3 Phase Allen Bradley PanelView 1000 plc controls <p>This pump package is used. It was in good working order when idled and removed in late 2023. Units are removed and ready to load.</p>	<p>Used - Very Good Marissa, IL</p>

Pump/Peristaltic		2 Items
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Listed in Category Order. Click on an Asset Name for more details.

<p>Peristaltic Pump Asset ID: AF15 Verder</p>	<p>Verderflex peristaltic pump by Verder. Model VF65 FCNBSS/S, serial 43260B6. Driven by gearmotor SEW 7.5 KW (10HP) at 1775 rpm inverter duty. Material cast iron body/cast iron rotor. Physical size 46.7mm x 32.3mm x 1000mm tall. Pumps at 1.5 gallons/rev. Flow capacity controlled by VFD and ranges from approx. 60 gpm at 75 psig to 90 gpm at 10 psig. See pump curves in Link. Maximum solids content 16.25mm compressible. Maximum lift is 9.5 mWc (meters water column)</p>	<p>Used - Excellent</p>
		<p>Illinois</p>
<p>Peristaltic Pump Asset ID: AF16 Verderflex</p>	<p>PC-31 Slurry Stock. Verderflex peristaltic pump by Verder. Model VF65, serial 43260E6. Driven by gearmotor Baldor 10Hp at 1760 rpm inverter duty. Gearbox ratio 38.4:1. Material cast iron body/cast iron rotor. Size 46.7mm x 32.3mm x 1000mm tall. Pumps at 1.5 gallons/rev. Flow capacity controlled by VDF and ranges from approx. 60 gpm at 75 psig to 90 gpm at 10 psig. See pump curves in Link. Maximum solids content 16.25mm compressible. Maximum lift is 9.5 mWc (meters water column)</p>	<p>Used - Excellent</p>
		<p>Illinois</p>

Pump/Positive Displacement		19 Items
<p>Gear Pump Asset ID: X2007</p>	<p>Small positive displacement pump (gear pump probably). Specs unknown. Pump by FFA Pot.</p>	<p>Unrated</p>
		<p>Mississippi</p>
<p>High Pressure Gear Pump Asset ID: 7628 Flowsolve</p>	<p>Flowsolve positive displacement rotary gear pump, Model 1.5GRM. Suction/Discharge 1-1/2" Shaft size 7/8". Last used for High pressure pump for votator, Flows to 1200 gpm at 500 psi. GR pumps provide high efficiency, pulse-free pumping, Ser no. 1162803CHP001A. Driven by Baldor 15 HP 230/460v 3/60 at 1160 RPM.</p>	<p>Used - Good</p>
		<p>Jacksonville, IL</p>
<p>Positive Displacement Pump Asset ID: X2079</p>	<p>Positive displacement pump. Specs unknown - last used as RDO pump</p>	<p>Unrated</p>
		<p>Mississippi</p>
<p>Positive Displacement Pump Asset ID: X2020 Gorman Rupp</p>	<p>Positive displacement pump, probably Gorman Rupp gear pump. Specs unknown - last used as Larger pump under glycerin coalescer</p>	<p>Unrated</p>
		<p>Mississippi</p>
<p>Positive Displacement Pump Asset ID: X2049</p>	<p>Positive displacement pump. Specs unknown - last used as MRU pump.</p>	<p>Unrated</p>
		<p>Mississippi</p>
<p>Positive Displacement Pump Asset ID: X2046</p>	<p>Positive displacement pump. Specs unknown - last used as Settler pump.</p>	<p>Unrated</p>
		<p>Mississippi</p>
<p>Positive Displacement Pump Asset ID: X2059</p>	<p>Positive displacement pump. Specs unknown - last used as MRU Bio Cooler South</p>	<p>Unrated</p>
		<p>Mississippi</p>
<p>Positive Displacement Pump Asset ID: X2054</p>	<p>Positive displacement pump. Specs unnown - last used as Knockout Pot Pump</p>	<p>Unrated</p>
		<p>Mississippi</p>

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Listed in Category Order. Click on an Asset Name for more details.

Positive Displacement Pump Asset ID: X2067 Gorman Rupp	Gorman Rupp positive displacement pump. Specs unknown - last Used as Hydra Sep 2 Pump	Unrated
		Mississippi
Positive Displacement Pump Asset ID: X2065 Gorman Rupp	Positive displacement pump. Specs unknown - last used as HydraSep 1 Pump	Unrated
		Mississippi
Positive Displacement Pump Asset ID: X2071	Positive displacement pump. Specs unknown - last used as VLF Feedpump	Unrated
		Mississippi
Positive Displacement Pump Asset ID: X2012	Viking positive displacement pump. Specs unknown - lste used as pump from Glycerin settler	Unrated
		Mississippi
Positive Displacement Pump Asset ID: X2019	Positive displacement pump - probably gear. Specs unknown - last used as Small pump located under glycerin coalescer	Unrated
		Mississippi
Positive Displacement Pump Asset ID: X2091	Positive displacement pump. Specs unknown - last used as crude tank pump	Unrated
		Mississippi
Positive Displacement Pump Asset ID: X2092	Positive displacement pump. Specs unknown - last used as oil dryer pump	Unrated
		Mississippi
Positive Displacement Pump Asset ID: 7139A Viking	Viking positive displacement pump. Model LL4124A. Size 3x3, LL4124 is rated up to 140 gpm. Includes 30 HP Reliance Electric motor @ 1765 RPM. 230/460V, 72.6/39.3A. Used - will need reconditioning, has sat idle for quite a while. Price includes loading on your truck.	Used - Fair
		Grant City, MO
Positive Displacement Pump Asset ID: 71391 Viking	Bare pump - Viking Pump Model LQ4124R, Serial No. 1702284, Size is 2.5" inlet x 2.5" outlet, cast iron body with mechanical seal. Includes integral relief valve in head, Has gear unit. Nominal flow of 135 gpm,. Approx 125 gpm. Designed to be driven by 10HP motor but motor is not included (photo shows motor but it is not there). . Used - will need reconditioning	Used - Fair
		Grant City, MO
Positive Dsplacement Pump Asset ID: X2082	Positive displacement pump. Specs unknown - last used as settling tank 1 pump	Unrated
		Mississippi
Pump, lobe SS Asset ID: 5992 Waukesha	Sanitary positive displacement pump - stainless steel. Waukesha. Includes pump, motor, gearbox, baseplate - as unit. Last used for margarine production.	Unrated
		Jacksonville, IL

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

Pump/Shear Pump		6 Items
High Shear Mixer Asset ID: X2096 IKA	High shear mixer, IKA. Specs unknown	Unrated
		Mississippi
High Shear Pump Mixer Reactor Asset ID: 7528-1 IKA	High Shear Mixers - IKA Series UTL 1000/10. Serial number 1903. Direct Drive inline shear mixer: Have DRS fine generator in them currently rated at 30 gpm. The lower-priced ULTRA-TURRAX UTL 1000 machines are particularly multifunctional and are used for the mixing, dispersing (emulsifying/suspending) and homogenizing of solid and liquid substances up to viscosities of several thousand mPa·s. Nominal flow 30 gpm (8000 l/hr), as a shear pump to 35 gpm. Pressure to 16 bar. Inlet/Outlet 2". Motor 20 HP 460/3/60 3530 rpm. On of these 4 units is serial number 1903. See data sheet for details. Removed and ready for loading.	Used - Excellent
		Athens, AL
High Shear Pump Mixer Reactor Asset ID: 7528-2 IKA	High Shear Mixers - IKA Series UTL 1000/10. Serial number 1904. Direct Drive inline shear mixer: Have DRS fine generator in them currently rated at 30 gpm. The lower-priced ULTRA-TURRAX UTL 1000 machines are particularly multifunctional and are used for the mixing, dispersing (emulsifying/suspending) and homogenizing of solid and liquid substances up to viscosities of several thousand mPa·s. Nominal flow 30 gpm (8000 l/hr), as a shear pump to 35 gpm. Pressure to 16 bar. Inlet/Outlet 2". Motor 20 HP 460/3/60 3530 rpm. On of these 4 units is serial number 1903. See data sheet for details. Removed and ready for loading.	Unrated
		Athens, AL
High Shear Pump Mixer Reactor Asset ID: 7528-3 IKA	High Shear Mixers - IKA Series UTL 1000/10. Serial number 1902. NEW old stock from 2007 - never used. . This shear pump and and motor were spare. Direct Drive inline shear mixer. Have DRS fine generator in them currently rated at 30 gpm. The lower-priced ULTRA-TURRAX UTL 1000 machines are particularly multifunctional and are used for the mixing, dispersing (emulsifying/suspending) and homogenizing of solid and liquid substances up to viscosities of several thousand mPa·s. Nominal flow 30 gpm (8000 l/hr), as a shear pump to 35 gpm. Pressure to 16 bar. Inlet/Outlet 2". Motor 20 HP 460/3/60 3530 rpm. One of these 4 units is serial number 1903. See data sheet for details. Removed and ready for loading.	New, Old Stock
		Athens, AL
High Shear Pump Mixer Reactor Asset ID: 7528-4 IKA	High Shear Mixers - IKA Series UTL 1000/10. Serial number 1947. Direct Drive inline shear mixer: Have DRS fine generator in them currently rated at 30 gpm. The lower-priced ULTRA-TURRAX UTL 1000 machines are particularly multifunctional and are used for the mixing, dispersing (emulsifying/suspending) and homogenizing of solid and liquid substances up to viscosities of several thousand mPa·s. Nominal flow 30 gpm (8000 l/hr), as a shear pump to 35 gpm. Pressure to 16 bar. Inlet/Outlet 2". Motor 20 HP 460/3/60 3530 rpm. On of these 4 units is serial number 1903. See data sheet for details. Removed and ready for loading.	Unrated
		Athens, AL
High Shear Pump Mixer Reactor Asset ID: 7528-5 IKA	High Shear Mixers - IKA Series UTL 1000/10. Serial number 1963. Direct Drive inline shear mixer: Have DRS fine generator in them currently rated at 30 gpm. The lower-priced ULTRA-TURRAX UTL 1000 machines are particularly multifunctional and are used for the mixing, dispersing (emulsifying/suspending) and homogenizing of solid and liquid substances up to viscosities of several thousand mPa·s. Nominal flow 30 gpm (8000 l/hr), as a shear pump to 35 gpm. Pressure to 16 bar. Inlet/Outlet 2". Motor 20 HP 460/3/60 3530 rpm. One of these 4 units is serial number 1903. See data sheet for details. Removed and ready for loading.	Unrated
		Athens, AL
Pump/Split Case		2 Items
Pump, Split Case Asset ID: 7412 Worthington	Worthington Split case pump. Model 5LN-22. Size is 8" x 5" - 22" Impeller, epoxy lined. Rated at 1250 gpm at 420 ft TDH. (Requires 250 HP motor 1775 rpm not included). See pump curve in document links This pump has been rebuilt and was never used after rebuild. Used as a back up fire pump so it is high head. Rebuilt by HydroAire Services job # 6082-12-11-11. Rotation: GREY pump looking at the shaft, rotation is counter clockwise. Note Worthington pumps are now backed by Flowserve. Bare pump only - Grey. Shipping dimensions 48 x 48 x 45" tall, 1350 pounds.	Reconditioned
		Illinois
Split Case Pump Asset ID: 6574 Aurora	Aurora Pump 8" split case centrifugal water pump. No. 91-10426, Type 411 SF. Size 8x8x11B. 2000 GPM. 120 Ft. head. 1750 RPM. Powered by a 75 HP General Electric motor. Model 5K365BL21502, S/N R66141250. 1780 RPM. 230/460V, 3 Ph., 60Hz, 175/88A.	Unrated
		Grant City, MO

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Listed in Category Order. Click on an Asset Name for more details.

Pump/Sump		4 Items
Sump Pump Asset ID: 1945 Pumpworks	Vertical sump pump by Pumpworks model 820. New - stored in warehouse as spare. Size 1.5 x 1 -8 with 8" impeller. Material carbon steel, heavy duty configuration. Rated capacity 25 gpm at 58 ft TDH. Pump serial number 18-23305-8-1. Motor is Baldor 2 HP 1755 rpm 230/460v 3/60 TEFC Frame 145TC	NEW Indiana
Vertical Centrifugal Sump Pump Asset ID: PC-7902 Goulds	Goulds centrifugal sump pump, model 3171. Size 4X6-11. Driven by 3 HP motor 460v 3515 rpm. Used as a Boiler Sump Pump.	Used - Good Vicksburg, MS
Vertical Centrifugal Sump Pump Asset ID: PC-7906 Goulds	Goulds centrifugal sump pump, model 3171. Size 4x6-11, capacity from 600 to 1000 gpm depending on head. Driven by 20HP motor 1365 rpm 460v. Used as a Main Collection Sump Pump #1.	Used - Good Vicksburg, MS
Vertical Centrifugal Sump Pump Asset ID: PC-7907 Goulds	Goulds centrifugal pump, model 3172. Size 4X6-11 capacity from 600 gpm to 1000 gpm depending on head. Driven by 20HP motor 1770 rpm 460v. Used as a Main Collection Sump Pump #2.	Used - Good Vicksburg, MS

Pump/Turbine Pump		5 Items
Vertical Bowl Pump Asset ID: PP-4002A Cascade	Cascade vertical bowl pump - 2 stage. Model 6MF-2 with impeller XA4-39. Impeller dia 7-3/4". Serial number 16912. Designed for capacity 800 gpm @ 40 TDH. Size 8" pipe, Bowl depth from flange is 4'-8", Driven by HP 15 RPM 1750. Used as Evap Condenser Spray Water on Lurgi tower DDE.	Used - Good Canton, IL
Vertical Bowl Pump Asset ID: PP-4001A Cascade Pump Company	Cascade Pump vertical bowl pump - 1 stage. Model 12MFCA, ser nm 16909. Designed for capacity 3200 gpm @ 40 TDH. Size 12" pipe, Bowl depth from flange is 4'-10", Material CS. Impeller AA3-31. Driven by HP 40 RPM 1750. Last used as Regen Condenser Spray Pump.	4 Canton, IL
Vertical Turbine Pump Asset ID: P-4300D Johnston	Vertical turbine cooling tower pump. 3 stage design. Bowls are 14" dia, 10" pipe, 114" OAL. With 150 HP US Electric Motor. 460V, 167A, 60Hz, 1785 RPM. Built 2003	Used - Good Grant City, MO
Vertical Turbine Pump Asset ID: P-4300A Worthington	Worthington QL double suction vertical turbine cooling tower pump. Model 12QL147. 3 stage design with 16 inch discharge. Designed for 7,000 GPM @ 167' head. With 400 HP Siemens-Allis motor. 4000V, 52.8A, 60Hz, 3 phase, 1780 RPM. Pump and motor rebuilt in 2009. Idled since 2013	Used - Good Grant City, MO
Vertical Turbine Pump Asset ID: P-4300B Worthington	Worthington QL double suction vertical turbine cooling tower pump. Model 12QL147. 3 stage design with 16 inch discharge. Designed for 7,000 GPM @ 167' head. Includes 400 HP Siemens-Allis motor. 4000V, 52.8A, 60Hz, 3 phase, 1780 RPM	Used - Good Grant City, MO

Pump/Vacuum Pump		4 Items
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Listed in Category Order. Click on an Asset Name for more details.

Vacuum Pump Asset ID: X2086	Liquid ring vacuum pump. Specs unknown - last used as oil vacuum dryer pump for oil dryer	Unrated
Vacuum Pump Asset ID: X2052	Vacuum pump. Specs unknown - last used as Located Next to MRU	Mississippi Unrated
Vacuum Pump Asset ID: PV-4201 Nash Elmo	Nash Elmo liquid ring vacuum pump designed for capacity 180 cfm @ 1.18 psia Material 316 SS. Driven by 40 HP 1170 rpm. Last used as Evaporator Vacuum Pump	Mississippi 4 Canton, IL
Vacuum Pump Asset ID: PV-4301 Nash Elmo	Nash Elmo liquid ring vacuum pump designed for capacity 36cfhr @ 1.72 psia Material 316 SS. Driven by 15 HP motor 1170 rpm. Last used as Regen. Vacuum Pump	Used - Good Canton, IL

Systems & Packages 3 Items

Evap System Asset ID: PK-6045 Unitech Titanium	Evaporator system rated at 45,000 lbs/hr. Unitech Titanium falling film evaporator manufactured in 1993 but unused until 2008 then operated for approximately 9 months. Includes Incoloy 825 vapor body, 15,862 SqFt heat transfer section with 872 Grade 2 Titanium 2 inch OD tubes x 36 ft long; and MVR compressor driven by a 500HP motor. Design train capacity is 92 GPM, distillate flow 83.95 gpm. This converts to 44,457 lbs/hr water evaporation. Price includes manual valves and selected ss304 and ss316 piping manifolds, and structural foundation for evap vessel and deaerator. Ladders, grating, and access steel also available.	Used - Excellent Saskatchewan
Railcar Dumper System Asset ID: 1070 Heyl & Patterson	Heyl & Patterson Rotary Railcar Dumper System Designed to handle 3000 TPH. Can purchase outright to relocate. Included - Dumper, 309 ft conveyor, 2 control rooms, building over the dumper, all electrical, dust suppression system. Details - Inclined conveyor capacity 3000 TPH, 72" wide x 309' long at 476 fpm. Roller spacing 1'-0" with 450 HP motor drive. Inclined 16 degrees, length 309'-10-1/4" pulley centers. Also a feeder conveyor 96" wide x 16 ft long at capacity 3000 TPH, Size/Belt Speed 96"/110 FPM- Variable Speed Roller Spacing 1'0" Max HP 125 motor 16'0" Pulley Centers. Hoppers: Dims and Angles 24' W x 47' L x 35' Ht, 74.8 Min Slope, 70 degree Angles Lining 1/2" Tivar 88 Steel Thickness 3/8". Conveyor is all galvanized, aluminum conduit, walkway on one side, Paramax 9000 gearbox. Railcar Dumper is equipped with ventilation fans, dust suppression system, 5 ton hoist, Hazleton sump pump model 75-350 SHW, Cutler Hammer MCC rated at 2500A horizontal bus 480v 3/60. . Not Included: rotary stacker conveyor shown at end of run. Installed 2010 and idled in 2012 - used approx 2 years.. See videos in Link. The video showing operation is not this one but is typical.	Unrated Marissa, IL
Scrubber System CO2 & Vent Gas Asset ID: PK-3201 SpecFab	CO2 Scrubber System. CO2 scrubber size: 60" ID x 31'-11" s/s tall, Vent gas scrubber size 48" OD x 31'-11" s/s tall. stack. Material ss304. Includes structural towers for both columns, Goulds 3196 size 1.5x3-6 PC-3201 centrifugal pump, Kice 15HP blower BL-3202, knock out pots, and all instrumentation and valves associated with this system. For a list of components, enter pk3201 in search on web site.	Used - Very Good Vicksburg, MS

Systems & Packages/Distillation 4 Items

Brine Distillation System Asset ID: 1725 RCC GE	GE brine crystallizer system for zero liquid discharge. Was originally RCC system built in 2006. Decommissioned in 2011. Complete system consisting of deaerator, crystallizer (approx 96 inches OD x 28 ft tall), rinse and waste tanks, APV plate heat exchanger, 5 Goulds pumps. Still installed. See links for drawings, P&ID and Process Flow Diagrams. We have drawings of major pieces of equipment on request. Price quoted includes contractor removal and loading estimate and is subject to change.	Used - Good MN
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Listed in Category Order. Click on an Asset Name for more details.

<p>Distillation System - Corn Oil/Ethanol Asset ID: VR2 SRS</p>	<p>Distillation System - for Corn Oil/Ethanol/Water Separation</p> <p>Skid mounted distillation system designed to remove ethanol and water from corn oil. Design capacity 10 gpm with infeed composition 95% oil and max 5% water/ethanol. Results: Corn oil output with 1000 ppm water max.</p> <ul style="list-style-type: none"> • NEW - never used. Built 2019 - never commissioned, in protected warehouse • Stainless steel 304L • Includes SRS SRDX-600 flash distiller packed column 3 ft dia x 15 ft tall. Serial number 022619 • Two 150 gallon tanks • Vacuum pump • Two centrifugal pumps • Four plate heat exchangers • Piping and instrumentation. • All components are wired to the control panel on skid, but no plc • Spec'd for 19 gpm of ethanol/water flashed to azeotrope <p>See Links for Equipment List and more details. P&ID available in Virtual Data Room (VDR) - ask for an invitation.</p>	NEW
<p>Distillation System - Ethanol/Water Asset ID: VR1 SRS</p>	<p>Distillation System - for Ethanol/Water Separation</p> <p>Skid mounted distillation system designed to remove ethanol from water. Design capacity 7 gpm with infeed composition 40% ethanol, 60% water, 7% phosphorus. Results: Water with less than 1% ethanol.</p> <ul style="list-style-type: none"> • NEW - never used. Built 2019 - never commissioned, in protected warehouse • Stainless steel 304L • Includes SRS SRFX-400 flash distiller packed column 3 ft dia x 17 ft tall, serial number 022519 • Two stainless tanks, 150 gallon and 300 gallon • Vacuum pump • Two centrifugal pumps • Five plate heat exchangers • Piping and instrumentation. • All components are wired to the control panel on skid, but no plc • Spec'd for 3 gpm of fatty acid/ethanol <p>See Links for Equipment List and more details. P&ID available in Virtual Data Room (VDR) - ask for an invitation.</p>	NEW

Listed in Category Order. Click on an Asset Name for more details.

<p>Distillation System - ffa/Ethanol/Water Asset ID: VR3 SRS</p>	<p>Distillation System Enhancement - for ffa/Ethanol/Water Separation</p> <p>Skid mounted distillation system designed to remove ethanol from water. This skid was designed to be added to back of skid VR2 to further reduce the water content of the ethanol to 500 ppm-1000 ppm range. However, can also be a stand alone skid for reducing water/ethanol in other oil processes.</p> <ul style="list-style-type: none"> • NEW - never used. Built 2019 - never commissioned, in protected warehouse • Stainless steel 304L • Includes SRS flash distiller column 10 inches dia 12 ft tall, serial number 00619 • One stainless tanks 2 ft dia • Two centrifugal pumps • Two plate heat exchangers • Piping and instrumentation. • All components are wired to the control panel on skid, but no plc • Capacity of VR3 is 3 gpm and is designed to remove <30% ethanol/water from oil down to 1000 ppm. <p>See Links for Equipment List and more details. P&ID available in Virtual Data Room (VDR) - ask for an invitation.</p>	<p>NEW</p> <p>Texas</p>
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Systems & Packages/Dryer - Cooler 2 Items

<p>Fluid Bed Cooler & Baghouse Asset ID: PK-FBST-31 GEA Barr Rosin</p>	<p>GEA Barr Rosin static fluid bed cooler package for ring dryer. Size 7 ft W x 19 ft L x 18 ft OAH. Includes fluid bed cooler, baghouse filter and ducting. (See also asset # FBAG-31) Sized for 22,100 cfm. Weight 15,800 pounds. Still installed.</p>	<p>Used - Very Good</p> <p>Vicksburg, MS</p>
<p>Ring Dryer Asset ID: DR-5201 Barr Rosin</p>	<p>Ring Dryer, GEA Barr-Rosin</p> <p>Used for drying wet cake DDGS but can be used to dry almost anything – such as hemp or other grains. Dries material from 65% moisture to 11% moisture, evap rate 66,463 #/hr. This dryer was designed to handle 112,861 wet infeed at 65% moisture and 440,000 #/hr dry recycle material. This design lends itself well for varying flows and moistures, and precludes clogging or clumping. Comes with Lo-Nox main burner natural gas fired 83 MMBTU, a 1200HP main fan, 2 combustion/exhaust fans 150HP, Fluid Bed Cooler and Baghouse, (2) paddle mixers, (9) drag and screw conveyors, (4) rotary valves, (4) cyclones, disintegrator. Designed for 67,109 #/hr wet grain + 45,752 #/hr syrup IN = 46,398 #/hr OUT Evap rate 66,463 #/hr Fan: 189,339 scfm 1300HP. Burner heat 83.1 MMBTU. See data sheet, P&ID, and GA in Links. Still installed. For list of components and their photos & description enter dr5201 in search box on web site</p>	<p>Very Good</p> <p>Vicksburg, MS</p>

Systems & Packages/Edible Oil 2 Items

<p>Bleacher - 150 TPD Stainless Asset ID: 5718 DeSmet</p>	<p>DeSmet stainless steel vacuum bleacher for continuous bleaching. Total capacity is 150 tons per day. Size 5' diameter with 3.5" insulation, 14' tall. Demister pad section 4' diameter x 5' tall. OAH 19 feet. Includes 2 Krohne stainless steel mechanical flowmeters, one 1" and one 2". Includes additional side mounted small vessel and RTD for level control. Small vessel dimensions 1' diameter x 8' tall with 2" inlet. Includes 2 Masoneilan stainless steel 2" pneumatic control valves. Vacuum unit not available. Includes operators manual. Idled 2014. We have quoted removed and loaded but removal is an estimate. If serious, we can get a quote.</p>	<p>Kingston, Jamaica</p>
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Listed in Category Order. Click on an Asset Name for more details.

<p>Fractionation System 118 MTPD Asset ID: PK-1200 DeSmet</p>	<h2>Fractionation Systems Pressure 30 bar</h2> <p>TWO complete systems including all tanks, pumps, heat exchangers, fitters, piping and controls. Footprint of BOTH systems is 50 ft x 67 ft x 28 ft tall.</p> <h3>78 MTPD System</h3> <p>Fractionation system - DeSmet, rated at 30 bar (450 psig). Built 1997. Includes (18) vertical crystallizers and Industrieterren membrane filter with 69 plates polypropylene. Capacity 78 MTPD based on first fractionation soybean oil – OR - 18 MTPD OUTPUT based on 2nd Fractionation = 10.5 million pounds product + 3.5 million pounds by-product. Capacity will vary depending on type of operation and oil.</p> <ul style="list-style-type: none"> Membrane filter for fractionation, made by Industrieterrein Wijngaardveld AALST, Belgium. Serial 150 10. Type OGFP1500, rated at 30 bar. Has 69 plates, 1500mm x 1500mm. Filter cake volume = 2,875 liters (759.5 gallons). Filter area 255 sq m, with 25mm cake per cavity. Automatic with plc/HMI. Hydraulic system with dual acting cylinder. <h3>40 MTPD System</h3> <p>Fractionation system - DeSmet. System built 2000. Includes (6) vertical ss crystallizers and Filox membrane filter with 36 plates polypropylene. Capacity 40 MTPD based on 1st fractionation Soybean – OR - 5 MTPD OUTPUT based on 2nd Fractionation = 2.5 million pounds product + 1.5 million pounds by-product. Capacity will vary depending on type of operation and oil. Stainless steel trough and auger system. Includes all tanks, pumps, electrical, and control systems.</p> <ul style="list-style-type: none"> Filox membrane filter for fractionation, rated at 30 bar (450 psig). Made by Filox - Filtertechnik GmbH, Germany. Type MKF150-36-250H, serial 2117. Has 36 polypropylene plates, 1500mm section - cake volume 1500 liters, cake thickness 25mm, 40.5 sq m filter surface area. Automatic with plc/HMI. Hydraulic system with dual acting cylinder. Hydraulic unit 15HP. Size 6535mm l x 2820mm x 2610mm tall, weight empty 34,785 kg. J4744 FRAC1 <p>NOTE: Missing a 25 ton and an 80 ton chiller that will have to be replaced for a full system.</p>	<p>Used - Very Good</p> <p>Mexico</p>
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Systems & Packages/Slurry & Recirculation		2 Items
<p>Slurry Tank, Rectangular Asset ID: AF17</p>	<p>Slurry tank mixing and pumping system. TK-46 Backwater Tank. Stainless steel rectangular tank with 2 pumps at top. Size of tank is 4 ft x 4 ft x 3 ft tall. OAH 84". Two pumps are Penguin immersible pumps Model PX-15AK-HF driven by 15HP motor. Pump A has 15HP motor at 2850 rpm and pump B has 15HP motor at 3450 rpm.</p>	<p>Used - Very Good</p> <p>Illinois</p>
<p>Water Recirc System Skid Asset ID: AF97 Outotec</p>	<p>Slurry tank system consisting of skid with vertical stainless steel tank, (2) Grundfos pumps. SS skid size is 98" x 68" x 84" tall. No agitation - Tank size is 5 ft dia x 6 ft tall for capacity of 850 gallons. Flat bottom, dish top with hinged manway lid. (atmospheric). Grundfos pumps are CRN15-08 A-FGJ-G-E-HOQE. Model A96127009-P11101551 designed for 90 gpm at 528 ft hd. Turning at 3444 rpm. Motor is 15 HP 3500 rpm 460/3/60. Supplies pressing water to Outotec Larox PF1.6 filter system. Part of Outotec Laroc Pressing System</p>	<p>Illinois</p>

Tank, Poly	2 Items
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S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

Poly Tank Asset ID: X2023	Vertical poly tank, flat bottom, will have to be measured but approx 3 ft dia x 4 ft tall for capacity 200 gallons. Last used as HCL hydrochloric acid poly tank.	Unrated
		Mississippi
Poly Tank Asset ID: X2024 Sii	Vertical poly tank. Flat bottom. Must be measured but size approx 8 ft dia x 16 ft tall for capacity 6000 gallons Last used as HCL acid tank.	Unrated
		Mississippi

Tanks & Pressure Vessels/Carbon Steel 43 Items

Air Reciever Asset ID: X2034 Steelfab	Air receiver tank. ASME MAWP 165 psig. Specs unknown - last used as West Receiver.	Unrated
		Mississippi
Caustic Tank Asset ID: TK-7701 Columbian Tectank	Vertical tank carbon steel insulated. API 650 rated at 0.5 psig at 300F. Size is 9'-6" dia x 19' for a capacity of approx 10,030 gallons (9,810 nominal). Sn 07-4557. Used as Caustic Tank.	Used - Fair
		Vicksburg, MS
Chilled Water Return Tank Asset ID: TK-7103 Columbian Tectank	Vertical tank API 650 CS atmospheric tank rated at 2.5 psig at 200F. Size is 9'-6" dia x 18'-11" for a capacity of approx 10,000 gallons. sn 07-4556. Cone top, flat bottom. With ladder and 16" vent, side entering 24" manhole. Material is CS. Used as Chilled Water Return Tank. See link for drawing.	Used - Good
		Vicksburg, MS
Cone Bottom Tank, Insulated Asset ID: X2004	Vertical carbin steel tank on legs, insulated aluminum clad. Slight cone bottom. Side entering manhole. Size unknown, will have to be measured. Approx 4 ft dia x 6 ft tall for capacity. Last used as Glycerin Still South	Unrated
		Mississippi
Cone Bottom Tank, Insulated Asset ID: X2005	Vertical carbin steel tank on legs, insulated aluminum clad. Slight cone bottom. Side entering manhole. Size unknown, will have to be measured. Approx 4 ft dia x 6 ft tall for capacity. Last used as Glycerin Still North	Unrated
		Mississippi
Horizontal Tank Asset ID: X2008	Horizontal carbon steel tank, slight dish ends. Side and end manholes. Size must be measured - approx 6 ft dia x 12 ft long for capacity 2500 gallons. Glycerin Settler 221	Unrated
		Mississippi
Horizontal tank Asset ID: T-7	Horizontal carbon steel tank with internal weir wall, insulated on saddles. Approx size 3.5 ft dia x 26 ft long for capacity 1880 gallons. Used as First Pass Decanter Tank with Weir Wall for separation of Glycerin. Part of Biodiesel Plant PK-1800	Unrated
		Morristown, IN
		Unrated
Horizontal Tank Asset ID: X2080	Horizontal carbon steel tank, insulated. Must be measured but size approx 8 ft dia x 16 ft long for capacity of 6000 gallons. Used as Settling Tank 2	Mississippi
		Unrated
Horizontal Tank Asset ID: X2081	Horizontal carbon steel tank, insulated. Must be measured but size approx 8 ft dia x 16 ft long for capacity of 6000 gallons. Used as Settling Tank 1	Mississippi
		Unrated
Horizontal Tank with Weir Asset ID: T-107	Horizontal carbon steel tank, insulated on cradles. Include internal weir. Size approx 3.5 ft dia x 26 ft for 1880 gallons. Used as Decanting tank with weir wall for separation, Part of Biodiesel Plant PK-1800 -	Unrated
		Morristown, IN

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

Horizontal Tank, Insulated Asset ID: X2044	Horizontal carbon steel tank, insulated. Must be measured but size approx 8 ft dia x 16 ft long for capacity of 6000 gallons. - used as a biodiesel settler tank,	Unrated
		Mississippi
Knock Out Pot, FFA Asset ID: X2006	Knock Out Pot for FFA (free fatty acid). Carbon steel, Will need to be measured - size aprox 18" dia x 2.5 ft tall. Sits on platform. Capacity 30 gallons. Has 2 level switch/transmitters.	Unrated
		Mississippi
Knockout Pot Asset ID: X2055	Vertical carbon steel knock out pot. Specs unnown	Unrated
		Mississippi
Mix Tank 4500 gallon Asset ID: T-508	Mix Tank With Agitator Vertical mix tank. Carbon steel on legs. Size approx. 8 ft dia x 12 ft high for about 4,500 gallons on 2 ft legs. OAH approx. 17 feet. Atmospheric tank - no pressure rating. Built by Lowe-Mar Mfg. Co. Serial number 95039-1. Top entering agitator with 2 triple blade sets. Philadelphia agitator. See Asset T-408 for second identical tank	Unrated
		Athens, AL
Mix Tank 4500 gallon Asset ID: T-408 Lowe-Mar Mfg Co	Mix Tank With Agitator Vertical mix tank. Carbon steel on legs. Size approx. 8 ft dia x 12 ft high for about 4,500 gallons on 2 ft legs. OAH approx. 17 feet. Atmospheric tank - no pressure rating. Built by Lowe-Mar Mfg. Co. Serial number 95039-2. Top entering agitator with 2 triple blade sets. Philadelphia agitator. See Asset T-508 for second identical tank	Used - Good
		Athens, AL
Seal Pot Asset ID: X2011	Seal Pot for pump. Carbon steel, will have to be measured - size aprox 18" dia x 2.5 ft tall. Sits on platform. Capacity 30 gallons. Has 2 level switch/transmitters.	Unrated
		Mississippi
Slurry Mix Tank Asset ID: TK-40 Wehrhahn	Homogenizer. Slurry tank. Agitated vertical carbon steel tank on legs. Size 38" dia x 6 ft s/s with 21" legs. Capacity approx 340 gallons. Open top/dish bottom. Agitator is top entering and is 36 inches higher than tank top. OAH approx 10.75 ft. Agitator has two sets of 2-blade propellers at mid and at bottom. Motor 5HP. Can be used as liquid or powder slurry tank.	Used - Very Good
		Illinois
Slurry Mix Tank Asset ID: AF6 Wehrhahn	Mixing Tank. Vertical agitated carbon steel tank, insulated. Size approx 28" dia x 70" tall on 16" legs. Agitator is approx 3.5 ft above top of tank. OAH is approx 10.5 ft. Open top, flat bottom. 125 gallon tank. Top entering agitator is 30 HP with one set of blades. Can be used as liquid or powder mix slurry tank	Used - Very Good
		Illinois
Slurry Mix Tank, Powder Asset ID: TK-22 Wehrhahn	Universal Mixer. Vertical Powder mixing vessel with 2HP top entering agitator and side door. Number 10-066-109, type 2619.000. Mfg 2014. Size 6 ft dia x 7 ft tall seam to seam, approx 1500 gallons. Flat top, dish bottom. Top entering agitator with one set of 4-blades at bottom. Agitator gear box has cooler heat exchanger on oil, recirculated. Side lug mounts. Gasketed door on side. Mfg by Wehrhahn	Used - Very Good
		Illinois
Slurry Tank Asset ID: X2073	Slurry Mix Tank. Vertical carbon steel tank on legs. Must be measured but size aprox 4 ft dia x 8 ft tall for capacity 750 gslons. Used as precoat tank for filter presses.	Unrated
		Mississippi
Slurry Tank Asset ID: X2075	Slurry Tank, vertical carbon steel tank. Flat bottom.with cs skirt. Must be measured but size approx 4 ft dia x 15 ft tall for capacity of 1500 gallons. used as slurry tank for filter press.	Unrated
		Mississippi

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Slurry Tank, Powder Asset ID: TK-10 Wehrhahn</p>	<p>Slurry tank used for powder. Vertical carbon steel tank with top entering agitator. Size 60" dia x 108" s/s with 28" legs. Capacity is approx 1300 gallons. Agitator is 36" higher than tank. OAH = 108+28+36. Flat top with half tank hinged cover, dish bottom. Includes radiator for hydraulic line cooling of gear reducer. Agitator gearmotor is SEW RM107/A 01/715687601.0001.14. rpm 1782 in/362 out. Has Endress Hauser level transmitter. Agitator has one set of 4-blades at bottom. Was used as cellulose dispensing tank, can be used as slurry tank. Has 4" flanged outlet. Tank has side opening door. Last used as cellulose dispenser</p>	<p>Used - Very Good Illinois</p>
<p>Small Vertical Tank Asset ID: X2014</p>	<p>Vertical carbon steel tank, insulated. Size must be measured but approx 15 inch dia x 3 ft tall for capacity 40 gallons. Last used as Methylate Oxide buffer tank</p>	<p>Unrated Mississippi</p>
<p>Soft Water Tank Asset ID: TK-7301 Baker</p>	<p>Carbon steel vertical tank, approx size 15 ft dia x 23'-10" tall for a capacity of 750 bbl (31,500) gallons. Material SA-36 coated 100%. Includes vertical ladder and platform at top, handrails 360 degree. Side manhole, flat bottom. Built 2016 - idled 2019. Weight empty approx 18,085 pounds. Last used as a soft water tank in boiler area. Part of boiler feedwater system PK-1111 but can be sold separately</p>	<p>Used - Very Good Vicksburg, MS</p>
<p>Vertical Storage tank Asset ID: TF-8205 Fisher Tank</p>	<p>Vertical tank carbon steel API650 mfg by Fisher Tank 90,000 gallons. 24 ft x 31 ft. CS. Calculated weight 34,565 pounds. Tank too large to move without cutting up and re-assembling. Last used as Day Tank for ethanol</p>	<p>Used - Good Canton, IL</p>
<p>Vertical Storage Tank cs Asset ID: TF-8201 Fisher Tank</p>	<p>Vertical carbon steel tank mfg by Fisher Tank, API 650 tank. 110,000 gallons Size 24 ft dia x 30 ft. Weight approx 33,761 pounds. 2007 CS. Last used as 200 Proof Storage Tank. Tank too large to move without cutting up and reassembling. Used as 200 proof storage tank</p>	<p>Used - Good Canton, IL</p>
<p>Vertical Tank Asset ID: TS-8206 Kennedy</p>	<p>Kennedy API 650 tank - capacity 2,050 gallons size 6' D x 10' H. Side entering manhole. Material CS. Sloped bottom, insulated, atmospheric tank. See link for tank drawing. Last used as Corrosion Inhibitor (Additive) Tank</p>	<p>Used - Good Canton, IL</p>
<p>Vertical Tank Asset ID: X2045</p>	<p>Vertical carbon steel tank on legs. Approx size 2 ft dia x 4 ft tall - capacity. Measurements must be verified. Located Next to Settler</p>	<p>Unrated Mississippi</p>
<p>Vertical Tank Asset ID: X2078</p>	<p>Vertical carbon steel tank on legs, top entering agitator. Must be measured but size approx 4 ft dia x 9 ft tall for capacity of 850 gallons. Used as RDO Tank</p>	<p>Unrated Mississippi</p>
<p>Vertical Tank Asset ID: X2068</p>	<p>Vertical carbon steel tank, on legs, insulated. Top entering agitator. Unknown dimensoions, must measure but approx size 4 ft dia x 8 ft tall for capacity 750 gallons. Used as Wash Tank North</p>	<p>Unrated Mississippi</p>
<p>Vertical Tank Asset ID: X2069</p>	<p>Vertical carbon steel tank, on legs, insulated. Top entering agitator. Unknown dimensoions, must measure but approx size 4 ft dia x 8 ft tall for capacity 750 gallons. Used as Wash Tank South</p>	<p>Unrated Mississippi</p>
<p>Vertical Tank 12,000 gallon Asset ID: 8246 Southern Tank</p>	<p>Vertical carbon steel tank, flat bottom/top. Nominal 12,000 gallons. Size approx 12 ft dia x 15 ft tall. 12,690 gallon capacity. atmospheric. Weight 10,100 pounds. NOTE: Tank has dent on side</p>	<p>Unrated Athens, AL</p>
<p>Vertical Tank 3800 gallon Asset ID: 8324-2 Southern Tank</p>	<p>Carbon Steel Tank, vertical. Size 6 feet diameter x 18 feet tall. 3800 gallon capacity approx. Was used as Active Filtration Tanks. Atmospheric. Weight approx 5,000 pounds. T-308</p>	<p>Unrated Athens, AL</p>

S4M Asset Catalog

Listed in Category Order. Click on an Asset Name for more details.

<p>Vertical Tank 3800 gallon Asset ID: 8324-3 Southern Tank</p>	<p>Carbon Steel Tank, vertical. Size 6 feet diameter x 18 feet tall. 3800 gallon capacity approx. Was used as Active Filtration Tanks. Atmospheric. Weight approx 5,000 pounds T-309</p>	<p>Unrated Athens, AL</p>
<p>Vertical Tank 8300 gallon Asset ID: 8324</p>	<p>Carbon steel vertical atmospheric tank. Flat bottom/top, size approx 7 ft 9 in diameter x 23 ft 8 in tall. 8,350 gal capacity. Was used as Glycerin Storage Weight approx 8300 pounds. Tank. T-207</p>	<p>Unrated Athens, AL</p>
<p>Vertical Tank cs Asset ID: TF-8202 Fisher Tank</p>	<p>Vertical carbon steel tank API 650 mfg by Fisher Tank. 40,000 gallons. 16 ft x 30 ft. CS. Weight cs about 20,364 pounds. Tank too big to move - will require cutting and re-assembly. Last used as Gasoline Denaturant Storage Tank</p>	<p>Used - Good Canton, IL</p>
<p>Vertical Tank cs Asset ID: TF-8203 Fisher Tank</p>	<p>Vertical tank carbon steel API 650 mfg by Fisher Tank 650,000 gallons. 52 ft x 44 ft. CS. Weight calculated at 121,916 pounds. Tank too big to move - will have to be cut and re-assembled. Last used as Denatured Ethanol Tank.</p>	<p>Used - Good Canton, IL</p>
<p>Vertical Tank, cs Asset ID: TK-7704 Columbian Tectank</p>	<p>Vertical tank API 650 carbon steel, rated at 0.5 psig at 200F. Size is 14'-11" dia x 28'-8" for a capacity of approx 37,475 gallons (36,930 nominal). Atmospheric tank. Flat bottom, cone top, vertical ladder and handrail at top, side manhole. Ser num 07-4558. Used as ammonia Tank.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Vertical Tank, Insulated Asset ID: X2002</p>	<p>Vertical carbon steel tank, insulated. Flat bottom, with steam coils. Size unknown, will have to be measured. Approx 8 ft dia x 12 ft tall for capacity 5000 gallons. Last used as Glycerin Tank South</p>	<p>Unrated Mississippi</p>
<p>Vertical Tank, Insulated Asset ID: X2003</p>	<p>Vertical carbon steel tank, insulated. Flat bottom, with steam coils. Size unknown, will have to be measured. Approx 8 ft dia x 12 ft tall for capacity 5000 gallons. Last used as Glycerin Tank North</p>	<p>Unrated Mississippi</p>
<p>Vertical Tanks Asset ID: X2090</p>	<p>Vertical carbon steel tanks, on legs. Must be measured but size approx 4 ft dia x 9 ft tall for capacity 850 gallons. Biodiesel process tanks - crude tanks. Qty (2) - priced separately</p>	<p>Unrated Mississippi</p>
<p>Vertical Tanks 30,000 Gallon Asset ID: 2365 Agri Process Innovations</p>	<p>Vertical carbon steel tanks 30,000 gallon capacity. Approx size 11'-9" diameter x 37'-7" tall. Flat bottom, slight sloped top. Most if not all of these tanks are designed by Agri Process Innovations and built by SteelTank in conjunction with a biodiesel plant and held biodiesel or glycerin. See the drawing in Document Link - final dimensions would have to be verified on purchase. There are 16 tanks as described below. Priced separately. Allow 2 to 4 weeks for removal and loading</p> <ul style="list-style-type: none"> Vertical Tanks - Quantity (5): not insulated, flat bottom, slightly sloped top, side manhole. Vertical Tanks - Quantity (3): not insulated but they have angle iron clips installed for insulation, flat bottom, slightly sloped top, manhole on side Vertical Tanks - Quantity (8): Insulated with aluminum sheathing, flat bottom, slightly sloped top, manhole on side 	<p>Unrated Mississippi</p>

S4M Asset Catalog



Listed in Category Order. Click on an Asset Name for more details.

<p>Vertical Tanks 35,000 Gallon (2) Asset ID: TK1010 Palmer Manufacturing and Tank</p>	<p>Carbon Steel Tanks. 35,000 Gallons each.</p> <ul style="list-style-type: none"> Tanks have been inspected and certified to meet STI SP001 specs and API 653 specs. Manufactured by Palmer Manufacturing and Tank. Size is 12 ft. diameter x 42 ft. tall. Internal stainless steel 2 inch heating coils at bottom <p>24 inch manway and nozzle for agitator mount. Slight cone top, flat bottom with sump. (4) anchor pads for 1" bolt for hold down onto concrete. Tanks were located inside building during operation; tank coating is generally in good condition. See tank inspection reports and results of UT thickness tests in Links. Removed and ready to load. Two (2) tanks available, priced separately.</p>	<p>Used - Very Good</p> <p>Nebraska</p>
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Tanks & Pressure Vessels/Condensate Flash 13 Items

<p>Condensate Flash Tank Asset ID: VS-7201 SpecFab</p>	<p>Steam Condensate Flash Receiver mfg by SpecFab. Sn 93x. ASME MAWP 150 psig internal pressure/FV at 400 F. Material carbon steel SA-516-70. Physical size 59" ID x 11' 4" s/s x 0.375 thk. On 5 ft 10" legs. Approx 19 ft 6 in OAH. Insulation 3 inches. Approx capacity 1,937 gallons. Used as Steam Condensate Flash Receiver.</p>	<p>Unrated</p> <p>Vicksburg, MS</p>
<p>Condensate Flash Tank Asset ID: TP-9102 GMW</p>	<p>Vertical condensate flash tank, carbon steel. Size 2'-6" dia x 6' s/s. On 4' legs for 11' OAH. Mfg by GMW ser 40046A, ASME MAWP FV/175 psi at 376F. Capacity approx 200 gallons. This tank was built in 2006 – used in 2008, then drained and idled since then. Essentially like new condition – no steam wear.</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Condensate Tank ss Asset ID: TP-4303 Bota Welding.</p>	<p>Horizontal condensate tank on saddles. Size 42" dia x 68" s/s for capacity approx 400 gallons. Material ss304LMfg by Bota Welding ser num TP-4303 ASME NB# 120 MAWP FV/25 psi at 220F. Material ss304L. 30sec retention time Used as Regen condensate tank at Lurgi tower in DDE.</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Condensate Tank ss Asset ID: TP-4304 Bota Welding</p>	<p>Condensate tank, horizontal on saddles. Size 42" OD x 68" s/s for capacity of 400 gallons Material ss 304L. Insulated. ASME Nat'l Bd# 121 MAWP 25 psi/FV at 220F. Last used as De-Pressurize. Cond. Tank 30sec retention time. At Lurgi tower DDE</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Condensate Tank ss Asset ID: TP-4107 Thermal Kinetics</p>	<p>Condensate drum, horizontal on saddles, insulated. Thermal Kinetics Design: Mfg by Bota ser num TP-4107, ASME NB# 111, MAWP 75psig/FV at 400F. Material 304L ss. Size 2 ft dia x 4 ft s/s. Capacity about 100 gallons. Design 30sec retention time, Used as 200 Proof Cond. Drum</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Condensate Tank ss Asset ID: TP-4204 Bota Welding</p>	<p>Condensate tank, horizontal on saddles. Size 24" OD x 44" s/s for capacity approx 85 gallons. Material ss304L. ASME Nat'l Bd# 118 MAWP 25psig/FV at @150F. Use link for drawing and data. Last used as Thermal Kinetics ET-4204 Condensate Drum</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Condensate Tank ss Asset ID: TP-4205 Bota Welding</p>	<p>Horizontal condensate drum on saddles. Insulated. Size 42" dia x 68" s/s for capacity of approx 400 gallons. Material ss304L with cs supports. Mfg by Bota Welding ser num TP-4205 ASME NB# 116 MAWP 25psig/FV at 200F. See link to drawing and U-1A. Used as Thermal Kinetics 1st Effect Evap Condensate Drum in DDE</p>	<p>Used - Good</p> <p>Canton, IL</p>
<p>Flash Tank Asset ID: TK-2304 Winbco</p>	<p>Vertical tank stainless 304 rated at Full vacuum psig at 212F. Size is 6' ID x 9' s/s for a capacity of approx 1834 gallons. Insulated, Dome top, dome bottom, on cs skirt 7 ft tall. OAH = 17 ft 8 in. Has baffle and vortex breaker. 24" flanged manway, 10" inlet, 16" vapor outlet, 12" discharge. Material is SS304, sn11595 Used as CO2 Flash Tank.</p>	<p>Used - Good</p> <p>Vicksburg, MS</p>

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Listed in Category Order. Click on an Asset Name for more details.

<p>Flash Tank ss Asset ID: TP-4207 Bota Welding</p>	<p>Flash Tank size 4'-0" dia x142" s/s x 23.5 OAH (includes 10 ft cs skirt). Material ss304L. Capacity approx 1112 gallons. Mfg by Bota Welding for Thermal Kinetics ser num TP-4207, ASME NB# 117 MAWP FV/25 psi at 200F. Cone bottom/dish top See link for drawing. Used as Whole stillage flash tank in DDE</p>	<p>Used - Good Canton, IL</p>
<p>Flash Tank ss Asset ID: TP-4110 Bota Welding</p>	<p>Vertical stainless steel tank, used as flash tank. Material ss304L with cs supports. Size 24" OD x 60" s/s. On 64" legs for 138" OAH. Approx capacity 100 gallons. Mfg by Bota Welding ser num TP-4110, ASME NB# 113, MAWP Design: 75psig at 250F. See link for drawing and U-1A. Used as Thermal Kinetics TW-4102 Flash Tank</p>	<p>Used - Good Canton, IL</p>
<p>Flash Tank ss Asset ID: TP-4112 Thermal Kinetics</p>	<p>Vertical flash tank stainless steel 304L, insulated, on cs skirt. Material ss304L. Dish top/funnel bottom. Size 54" OD x 140" s/s with 96" skirt. OAH 261". Capacity approx 1300 gallons. Mfg by Bota Welding for Thermal Kinetics, ser num TP-4112, ASME NB# 114, MAWP FV/25 psi at 230F. Cone bottom/dish top. See link for drawing and U-1. Used as Thermal Kinetics Mash Flash Cooler #1</p>	<p>Used - Good Canton, IL</p>
<p>Flash Tank ss Asset ID: TP-4113 Bota Welding</p>	<p>Flash Tank, vertical stainless. Size 54" OD x 12' s/s x 21.75' OAH. (includes 95" cs skirt). Capacity approx 1200 gallons. Insulated, Material ss304L. Cone bottom, dish top. Mfg by Bota Welding ser num TP-4113, ASME NB# 115 MAWP FV/25 psi at 230F. See link for drawing and U-1. Used as Thermal Kinetics Mash Flash Cooler #2</p>	<p>Used - Good Canton, IL</p>
<p>Flash Tank ss Asset ID: TP-4105 Thermal Kinetics</p>	<p>Flash tank, vertical. Material ss304L with cs supports. Size 48" dia x 118" s/s with a 96" cs skirt. OAH = 20 ft. Capacity approx 1118 gallons. Insulated. Mfg by Bota Welding ser num TP-4105, ASME NB# 109, MAWP FV/50psig at 250F. Cone bottom, dish top. See link for drawing and U-1 form. Used as Thermal Kinetics CO2 Flash Vessel</p>	<p>Used - Good Canton, IL</p>

Tanks & Pressure Vessels/Fiberglass		3 Items
<p>Vertical Fiberglass Tank Asset ID: X2001 Belding Tank Technologie</p>	<p>Vertical fiberglass tank, flat bottom/top, side entering manhole designed for atmospheric pressure. Designed for sodium silicate solution at specific gravity 1.5. Last used for HCL (hydrochloric acid). Need measurements and specs, nameplate.</p>	<p>Unrated Mississippi</p>
<p>Vertical Tank 20,000 gallon Asset ID: 2082</p>	<p>Insulated fiberglass vertical tank, Size 12 ft dia x 23 ft seam to seam with dish bottom for capacity of 20,219 gallons. Flat top/dome bottom, side entering manhole. On 52 inch legs for 27'-10" OAH. Atmospheric tank designed for grease/ethanol/water service. Resin material: Liner: Isophthalic, Structural: Orthophthalic. Insulation is 2" foam around sides, bottom dome and top. These tanks were bought new for a project - never used. See drawing. Qty (2) - priced separately.</p>	<p>NEW Texas</p>
<p>Vertical Tank 30,000 Gal Fiberglass (4) Asset ID: T-1001 ICM Standard Parts</p>	<p>Methanator Tank Fiberglass 30,000 gallon Tanks. Manufactured by ICM Standard Parts in 2008. Last used for methanator tanks in an ethanol wastewater process. 4 available. Priced for the lot.</p>	<p>Used - Good Iowa</p>

Tanks & Pressure Vessels/Pressure Vessel		13 Items
<p>Air Receiver Pressure Tank 200 Gallons Asset ID: AF1 Manchester</p>	<p>Air receiver by Manchester Tank. Vertical on base. Size 28" dia x 55: s/s on base for 78" OAH. Capacity 200 gallons. ASME Nat'l Bd # 270535 MAWP 300 psi at 400F. Also CRN certified.</p>	<p>Used - Very Good Illinois</p>

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Listed in Category Order. Click on an Asset Name for more details.

<u>Condensate Receiver</u> Asset ID: VS-4205 Wheeler Tank	Vertical condensate tank on legs mfg by Wheeler tank sn 11746. ASME NB # 15765 MAWP 150 psig at 450F.	Unrated Vicksburg, MS
<u>Condensate Receiver</u> Asset ID: X2042	Condensate receiver. Must be measured but size approx 1.5 ft dia x 8 ft for capacity 100 gallons. Located Next to Control Room	Used - Fair Mississippi
<u>Flash Tank Drum</u> Asset ID: 31-V-156 PPV Precision Pipe & Vessel	Steam Flash Drum to atmospheric. Manufactured by Precision Pipe & Vessel in 2009. ASME rated MAWP 150/FV T 250F. Material carbon steel. Note: This flash drum is stacked on top of 31-V-164. Part of Absorber & cleanup module FP311	Used - Very Good Soperton, GA
<u>Horizontal Decanting Vessel</u> Asset ID: V-1506 Confab	Horizontal carbon steel pressure vessel. Decanter and Liquid Knock Out. Built by Confab s/n 64866. ASME Nat'l Bd# 28, rated at 184 psig at 350F (1269 kpa at 177C). Approx size 6.5 ft dia x 18 ft long T/T for 4,468 gallon capacity. Weight: Approx. 12000-15000 lbs. Last used as Decanter in ethanol plant - see schematic link. Insulation has been removed. Tank has been removed and is ready for loading. - price includes loading	Good Grant City, MO
<u>Knock Out Pot</u> Asset ID: VS-3201 Jogler	Vent Gas Knock-out pot mfg by Jogler. Rated at FV psig external pressure and 50 psig internal pressure at 150 F. Material 304/L SS. Used as vent gas knock out pot. Sn1802268. Part of complete package including blower, pump, structural, see asset PK-3201. For a list of components, enter pk3201 in search on web site.	Used - Good Vicksburg, MS
<u>Knock Out Pot</u> Asset ID: ME-3203 Specfab	Knock out pot Mfg by SpecFab, vertical stainless steel. MAWP 14 psig, Serial number 101. Used as a knock out pot to protect blower BL-3202 CO2 scrubber system. Still installed.	Used - Good Vicksburg, MS
<u>Pressure Tank</u> Asset ID: X2061 Hanson	Vertical carbon steel pressure tank with side manhole. ASME MAWP 200 psig at 400F. stamped pressure vessel. Approx size 36" dia x 8 ft tall for 400 gallon capacity. Last used in biodiesel service as VLF break tank. Serial No. 428040	Used - Good Mississippi
<u>Steam Blowdown Drum</u> Asset ID: 41-V-630 PPV Precision Pipe & Vessel	Steam drum manufactured by Precision Pipe & Vessel in 2009. ASME MAWP 150 psig/FV at 550F, Nat'l Bd# 893, s/n CV-0893. Material is SA312-TP347. Physical size is 24"dia x 8'-6" s/s, OAH 11'-10" for capacity of 185 gallons. Used as a steam blowdown drum	Used - Very Good Soperton, GA
<u>Steam Drum</u> Asset ID: 41-V-180 Nebraska Boiler	Steam drum by Nebraska Boiler, built 2009. Horizontal, ASME Nat'l Bd# 877, MAWP 800 psig/FV at 350F, Stainless steel SA-312-304. Physical size 42" dia x 120" s/s x 0.5" shell (11'-3" OAL) for 107cf or 720 gallons. Used as Catalytic Converter steam drum. Part of Catalytic Converter module FP411	Used - Very Good Soperton, GA
<u>Sulfur Guard Bed Vessel</u> Asset ID: 41-V-196 PPV Precision Pipe & Vessel	Sulfur guard bed vertical vessel. ASME Nat'l Bd 897, MAWP 1650 at 550F, s/n CV-0891. Mfg by Precision Pipe & Vessel in 2009 - used only 42 days - like new. Material is carbon steel SA-516 70N. Physical size is 4' dia x 14'-4" s/s, approx 23 ft OAH for a capacity of 1410 gallons. Loaded with Haldor Topsoe HTZ-4 sulphur absorption catalyst.	Used - Very Good Soperton, GA
<u>Vacuum Pressure Tank</u> Asset ID: X2087	Vertical carbon steel pressure tank (vacuum). Need nameplate specs and must be measured but size approx 3 ft dia x 15 ft tall. used as oil dryer	Unrated Mississippi

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Listed in Category Order. Click on an Asset Name for more details.

<p>Vertical Tanks ss Asset ID: 1966 Tanks USA</p>	<p>Vertical insulated stainless steel tank, working capacity 5,548 gallons (21,000 liters). NEW - still at factory in China. Tank is stainless 316 with insulation and ss304 cladding. Tanks are designed for and built to ASME at an internal design pressure 7.5 bar (112.5 psig) and a working pressure of 6.5 bar (94.25 psig) although they are not certified by ASME. On legs for OAH 7892 mm (25.9 ft). Flange connections are metric 200mm pipe RF flange. Side 500mm manhole. Tanks were for a project that wasn't built. On factory floor now as surplus, ready to ship. Priced as each tank. See tank drawing.</p>	NEW
		China

Tanks & Pressure Vessels/Separator	10 Items
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<p>Hydrasep Oil Water Separator Asset ID: X2064 HS-1000-BD</p>	<p>Hydrasep Oil/Water Separator. Horizontal, carbon steel, insulated. Hydrasep 1</p>	Unrated
		Mississippi
<p>Hydrasep Oil Water Separator Asset ID: X2066 Hydrasep</p>	<p>Hydrasep Oil/Water Separator. Horizontal, carbon steel, insulated. Serial number 5000119. Volume 1,184 gallons. Atmospheric pressure. Hydrasep 2</p>	Unrated
		Mississippi
<p>Hydrasep Oil Water Separator Asset ID: 2448 Hydrasep</p>	<p>Hydrasep Oil/Water Separator. Horizontal Hydrasep HS-1500-BD. Biodiesel laminar flow separators. The patented Hydrasep laminar flow separator is designed to continuously separate glycerin from methyl ester and wash water from methyl ester without any moving parts or coalescing media, eliminating the need for power consumption and periodic overhaul. Carbon steel construction, horizontal 48" dia x 18' OAL, On saddles and steel frame so OAH is approx 6 ft. Designed for 48 gpm flow rate. Inlet/Outlet 4". Volume 1,742 gallons, Operating volume 1,213 gallons, empty weight 4,670 pounds. Built 2008. Serial number 5000357. Removed and ready to load.</p>	Used - Good
		Rome, GA
<p>Hydrasep Oil Water Separator Asset ID: 2449 Hydrasep</p>	<p>Hydrasep Oil/Water Separator. Model HS-2000-BD. Biodiesel laminar flow separators. The patented Hydrasep® laminar flow separator is designed to continuously separate glycerin from methyl ester and wash water from methyl ester without any moving parts or coalescing media, eliminating the need for power consumption and periodic overhaul. Carbon steel construction, horizontal 54" dia x 20'-1" OAL, On steel frame. Designed for 69 gpm flow rate. Inlet/Outlet 4". Operating volume 1,752 gallons, empty weight 5,861 pounds. Serial # 5000361. Removed and ready to load.</p>	Used - Good
		Rome, GA
<p>Hydrocyclone Separator Asset ID: CH-9401 Lakos</p>	<p>Lakos Filtration hydrocyclone, Model JPL-0650-V/FLG. Has 6 inch inlet/outlet. Flow range 650 to 1200 gpm with pressure loss of 3 to 12 psi. Max pressure 150 psi. S/N 40134-001. Cyclonic separator. Used as Cooling Tower Hydrocyclone.</p>	Used - Good
		Canton, IL
<p>Oil Separator Tank ss Asset ID: VS-4204 SpecFab</p>	<p>Vertical stainless steel tank mfg by SpecFab. Size 14" dia x 5 ft s/s for capacity of approx 55 gallons. ASME NB# 72 MAWP 205 psig at 300F. Mfg sn 90. Material SA-312-TP304. See drawing and data sheet in Links. Used as Fusel Oil Separator.</p>	Used - Good
		Vicksburg, MS
<p>Separator ss Asset ID: TP-4201 JD Cousins</p>	<p>Separator stainless steel vertical, insulated. Material ss304L with cs supports. Dish top/dish bottom. Size 10'-6" OD x 12' s/s on 11'-2" cs skirt. OAH = 26.5 ft. Capacity approx 7500 gallons. Mfg by JD Cousins ser number N-106 and 1206-9, ASME NB# 8007, MAWP Design: FV/25 psig at 200F. See link for drawing and U-1. Used as Thermal Kinetics First Effect Separator</p>	Used - Good
		Canton, IL

Listed in Category Order. Click on an Asset Name for more details.

<u>Separator ss</u> Asset ID: TP-4202 Central Fabricators	Separator vertical pressure tank, built by Central Fabricators, ser num N-105. Material ss304L with cs supports. Size 12 ft dia x 12 ft s/s on 11'-2" cs skirt. Capacity approx 10,000 gallons. ASME NB 2226 MAWP 25 psi/FV at 200F. See link for drawing and U-1 . Used as Thermal Kinetics Second Effect Separator.	Used - Good Canton, IL
<u>Separator ss</u> Asset ID: TP-4103 Bota Welding	Separator for reboiler mfg for Thermal Kinetics by Bota Welding. Material ss304L with cs skirt. Insulated. Mfg by Bota ser num TP-4103, ASME NB# 107, MAWP Design: 75psig/FV at 250F. Size is 5 ft dia x 10 ft s/s x 14 ft OAH. Plus 10 ft cs skirt = 24.8' total height. Capacity approx 1500 gallons. Internal has 8" mist eliminator (demister). See link for drawing. Used for Separator for ET-4103 reboiler	Used - Good Canton, IL
<u>Separator ss</u> Asset ID: TP-4104 Bota Welding	Separator mfg by Bota Welding for Thermal Kinetics . Material ss304L with cs supports. Mfg by Bota Welding ser num TP-4104, ASME NB# 108, MAWP 75psig/FV at 250F. Size 3'-6" x 9'-6" s/s ' with 11.7 ft cs skirt and 8" mist eliminator internal. Total height 22.8' Capacity approx 700 gallons. See link for drawing and U-1 form. Used as Separator for ET-4104 condenser	Used - Good Canton, IL

Tanks & Pressure Vessels/Stainless		40 Items
<u>190 Proof Receiver</u> Asset ID: VS-4206 WINBCO	Vertical tank mfg by WINBCO sn 11596. Stainless ss304. Size approx 9'-6" ID x 12' s/s, On skirt. ASME Nat'l Bd 735, MAWP Rated at - 15 psig external pressure and 50 psig internal pressure at 300 F. Insulated. Material SA-240-304.Nominal capacity 7400 gallons (7,465 full). Used as 190 Proof Receiver. Still installed, removal extra	Unrated Vicksburg, MS
<u>Beer Well Tank</u> Asset ID: TK-3108 Baker Tank	Vertical tank SS304 rated at 2.5 psig at 200F. Size is 59' dia x 48' for a capacity of approx 883504 gallons. Sloped bottom, top entering agitator. Material is SS304 Used as Beer Well Tank sn07235. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
<u>Beer Well Vertical Tank ss</u> Asset ID: TF-3401 EnerFab	EnerFab Beer Well. Vertical ss tank 50 ft dia x 50 ft. calculated to be 734,398 gallons. Material is 304SS/CS Supports. Total weight ss304 = approx 152,000 pounds. Includes ladders, gratings, platforms, handrails. Does not include agitator (it is gone). But we can sell one of Fermenter agitators.	Used - Good Canton, IL
<u>Fermenter Vertical Tank 1</u> Asset ID: TK-3104 Baker Tank	Vertical tank SS304 rated at 2.5 psig at 200F. Size is 51'-9" dia x 48' for a capacity of approx 641950 gallons. Material is SS304. Tank is too large to move but we can cut it up and load on trucks for you - to re-assemble at your place. Used as Ferm 1 Tank sn07231. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
<u>Fermenter Vertical Tank 2</u> Asset ID: TK-3105 Baker Tank	Vertical tank SS304 rated at 2.5 psig at 200F. Size is 51'-9" dia x 48' for a capacity of approx 641950 gallons. Material is SS304. Tank is too large to move but we can cut it up and load on trucks for you - to re-assemble at your place. Used as Ferm 2 Tank sn07232. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
<u>Fermenter Vertical Tank 3</u> Asset ID: TK-3106 Baker Tank	Vertical tank SS304 rated at 2.5 psig at 200F. Size is 51'-9" dia x 48' for a capacity of approx 641950 gallons. Material is SS304. Tank is too large to move but we can cut it up and load on trucks for you - to re-assemble at your place. Used as Ferm 3 Tank sn07233. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
<u>Fermenter Vertical Tank 4</u> Asset ID: TK-3107 Baker Tank	Vertical tank SS304 rated at 2.5 psig at 200F. Size is 51'-9" dia x 48' for a capacity of approx 641950 gallons. Material is SS304. Tank is too large to move but we can cut it up and load on trucks for you - to re-assemble at your place. Used as Ferm 4 Tank sn07234. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS

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Listed in Category Order. Click on an Asset Name for more details.

<p><u>Fermenter Vertical Tank ss</u> Asset ID: TF-3201A Enerfab</p>	<p>EnerFab Fermenter. Vertical ss tank 48 ft x 50 ft. 686,000 gallons. 304SS/CS Supports. Total weight ss304 = 148,000 pounds. Price includes agitator. We can also sell agitator separately - see asset AT-3201A. We have pricing to cut tank into movable pieces - ask us.</p>	<p>Used - Good Canton, IL</p>
<p><u>Fermenter Vertical Tank ss</u> Asset ID: TF-3201B EnerFab</p>	<p>EnerFab Fermenter. Vertical ss tank 48 ft dia x 50 ft. 686,000 gallons. 304SS/CS Supports. Total weight ss304 = 148,000 pounds. Price includes agitator. We can also sell agitator separately - see asset AT-3201B</p>	<p>Used - Good Canton, IL</p>
<p><u>Fermenter Vertical Tank ss</u> Asset ID: TF-3201C EnerFab</p>	<p>EnerFab Fermenter. Vertical ss tank 48 ft x 50 ft. 686,000 gallons. 304SS/CS Supports. Total weight ss304 = 148,000 pounds. Price includes agitator. We can also sell agitator separately - see asset AT-3201C</p>	<p>Used - Good Canton, IL</p>
<p><u>Horizontal Tank ss</u> Asset ID: TP-4301 Alps Welding</p>	<p>Horizontal stainless steel tank, on saddles, insulated. Size 6'-0" Dia x 24' for capacity approx 5,000 gallons. Material ss304 with cs supports. MAWP FV/75 psi at 450F. Used as Thermal Kinetics Accumulator #1 in DDE</p>	<p>Used - Good Canton, IL</p>
<p><u>Horizontal Tank ss</u> Asset ID: TP-4302 Alps Welding</p>	<p>Horizontal stainless steel tank, on saddles, insulated. Size 6'-0" Dia x 24' for capacity approx 5,000 gallons. Material ss304 with cs supports. MAWP FV/75 psi at 450F. Used as Thermal Kinetics Accumulator #1 in DDE2</p>	<p>Used - Good Canton, IL</p>
<p><u>Horizontal Tank ss</u> Asset ID: TP-4108 Bota Welding</p>	<p>Horizontal stainless steel tank, on saddles. Material ss304L with cs supports Size 71" dia x 80" s/s for approx capacity 1300 gallons. Mfg by Bota Welding ser num TP-4108, ASME NB# 112, MAWP Design: FV/75psig at 250F. See link for drawing and U-1 form. Used as Thermal Kinetics Fusel Oil Decanter</p>	<p>Used - Good Canton, IL</p>
<p><u>Horizontal Tank, ss 1800 gal</u> Asset ID: 2049</p>	<p>Horizontal stainless steel tank, on saddles. Size 67" dia x 94" long for capacity of 1,800 gallons. Pk6020</p>	<p>Used - Very Good Northern US</p>
<p><u>Liquefaction Tank</u> Asset ID: TK-2201 Baker Tank</p>	<p>Vertical tank SS304 rated at 2.5 psig at 190F. Size is 24-9 dia x 48' tall for a capacity of approx 155,473 gallons. Material is SS304. Insulated, sloped bottom. Includes vertical ladder and handrails around on top. Has top entering Lightnin agitator with angle drive gearbox. Lightnin model 77C30 driven by 30HP motor 1200 rpm 460/60/3. Gearbox output is 38.5 rpm. Shaft and blades ss304/ss316. Has 3 sets of 3 propellers and a steady bearing. Distance from 18" flange to steady bearing is 615 inches. Used as Liquefaction Tank sn 07243.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p><u>Mix Tank ss w/agitator</u> Asset ID: TS-3606 Kennedy Tanks</p>	<p>Vertical stainless steel slurry mix tank mfg by Kennedy Tanks Capacity 250 gallons size 3'-4" x 4'-0" Material 304 SS/CS supports. Flat top, sloped bottom. Agitator is Lightnin 3/4 HP top entering mixer Model EV5P75. See link for tank drawing. Used as Enzyme Blend Tank.</p>	<p>Used - Good Canton, IL</p>
<p><u>Mixing Tank, 600 Gallon</u> Asset ID: 2112 Vendome Copper & Brass Works</p>	<p>Mixer with screw ejection through bottom port. This unit is fully operation and has few hours on it. Excellent shape</p> <ul style="list-style-type: none"> Mixing Tank: Capacity 600 gallon Stainless Steel Extraction Mixing Tank. Material 304 stainless steel. . Manufactured by Vendome Copper & Brass. Tank dimensions: Overall total height: 124", Height of outlet: 50", Outlet size: 10.5" , Top Diameter: 64". Tank has ejection through bottom port and is fully functional. Mixer and Ejector Screw: Stainless steel 304 mixing auger for bottom port ejection. Has 1 HP gearmotor for screw output of 3.15 rpm. 	<p>Used - Excellent Kentucky</p>

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Listed in Category Order. Click on an Asset Name for more details.

<p>Slurry Mix Tank Asset ID: TK-2101 Columbian Tectank</p>	<p>Vertical tank stainless API-650 rated at 2.5 psig at 190F. Size is 14' ID x 32' s/s, with top OAH = 35.25 ft tall for a capacity of approx 38400 gallons. Sloped bottom, Cone top. Insulated, side entering manhole, ladder Material is ss 304 insulated. Atmospheric. Has top entering agitator, Lightnin Model 780C150 with angle drive 150 HP motor 1750 rpm 460/3/60. Agitator gearbox is 17.4:1 for mixer rpm = 100 rpm. Mount is 20 inch flange, 5" shaft ss316) 422" long from flange to steady bearing. Has 3 sets of propellers with blades 4/3/3. Propeller lengths 63"/56". Used as Slurry Mix Tank sn 07-4551. We have drawing of agitator - see LINKS.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p>Square Tank, ss 8500 gal Asset ID: 2048</p>	<p>Square stainless steel tank, reinforced sides. Size is 111" x 111" x 160" high - on legs for OAH 220". Atmospheric tank. Capacity approx 8500 gallons. Material ss304. Used for pure ethanol storage food grade. Part of an entire CBD extraction system - enter PK6020 to see all components.</p>	<p>Used - Very Good Northern US</p>
<p>Thin Stillage Collection Tank Asset ID: TK-5101 Gilbert Industries</p>	<p>Vertical tank SS304 rated at 2.5 psig at 300F. Size is 12' dia x 8' tall for a capacity of approx 4400 gallons. Material is SS304. Flat bottom, dome top, insulated with 3 inch mineral wool, 24" side entering manhole. Used as Thin Stillage Collection Tank sn G1140048.</p>	<p>Used - Good Vicksburg, MS</p>
<p>Vertical Tank Asset ID: TK-5102 Baker Tank</p>	<p>Vertical tank stainless steel 304 AP 650I rated. MAWP at 0.25 psig at 300F. Size is 28'-6" dia x 38' for a nominal capacity of approx 4317 bbl (181,314 gallons). Sloped bottom, insulated with 3" mineral wool & aluminum sheathing. Has vertical ladder and 360 degree top handrail. Manufactured by Baker sn 07245. Used as Whole Stillage Tank</p>	<p>Vicksburg, MS</p>
<p>Vertical Tank Asset ID: TK-5109 Gilbert Industries</p>	<p>Vertical ss tank, insulated, on legs. Gilbert sn G1150011. Atmospheric tank rated at 0.36 psi at 180F. Dimensions unknown - capacity unknown. Material ss304. Used as Thin Stillage Screen Tank. Still installed, removal extra.</p>	<p>Unrated Vicksburg, MS</p>
<p>Vertical Tank Asset ID: TK-2503 Gilbert Industries</p>	<p>Vertical tank atmospheric tank. Material is ss304, volume 500 gallons. Insulated, on legs. Size 36" OD x 120" seam-seam with slight cone bottom and top. On 44 3/8" legs for 175 9/16" OAH. Has 3 inets 8", 6" 4", one outlet 8", and a 10" vent. Sn G1150010. Used as 3rd Pass Collection Tank. We have drawing - access in Links.</p>	<p>Unrated Vicksburg, MS</p>
<p>Vertical Tank Asset ID: TK-2801 Gilbert Industries</p>	<p>Vertical tank API 650 rated at 1 psi at 300F. Size 6 ft dia x 14 ft tall s/s for capacity of 3,070 gallons/2754 nominal. Dish top/bottom. Material is SS304. Gilbert Industries sn 140053. On legs, insulated with 2" mineral wool and sheathing. Has 24" side entering manway, (3) inlets 1 1/2"/2", discharge 4", pressure relief 2". Used as Polisher feed tank. Part of FluidQuip BSS system (See asset FQ-BOS) . Still installed on RTO.</p>	<p>Unrated Vicksburg, MS</p>
<p>Vertical Tank Asset ID: TK-5104 Baker Tank</p>	<p>Vertical tank API 650 stainless steel 304. MAWP rated at 2.5 psig at 300F. Size is 23'-3" dia x 38' for a capacity of approx 108,616 gallons. Sloped bottom, cone top, insulated, vertical ladder. Used as Syrup Tank sn 07247. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p>Vertical Tank ss Asset ID: TK-5103 Baker Tank</p>	<p>Vertical tank API 650. Stainless steel 304 rated at 2.5 psig at 300F. Sn 07246. Size is 24'-6" dia ID x 38' for a capacity of approx nominal capacity 3190 bbl (130,578 gallons). Shell thickness 3/16". Sloped bottom, 15 degree cone top, Insulated. 24" side manway, 20" top hatch, 6" inlet/outlet. Includes top entering agitator on 12" flange, ladders. Agitator (AG-5103) is Lightnin Model 74 C 7.5 right anglr drive with a 7.5HP motor. Mixer speed 37.7 rpm. Mixer shaft 3" stainless with one set of 3 blades sweeping 87" with steady bearing. Motor is WEG 7.5 HP 1170 rpm 460/3/60 TEFC frame 254T. See tank and agitator drawing in Links. Used as Thin Stillage Tank. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.</p>	<p>Used - Very Good Vicksburg, MS</p>
<p>Vertical Tank ss Asset ID: TS-5101 Kennedy Tanks</p>	<p>Vertical stainless steel tank Mfg by Kennedy Tanks capacity approx 40,300 gallons size 13'-6" D x 38' H Material ss304. Tank is insulated with vertical ladder. Includes top entering Lightnin Agitator Model 74C5 driven by 5 HP motor 1200 rpm. Material 304 SS Final speed is 38 rpm Impeller diameter is 71 inches. Has 2 set of 3-blade propellers and a bottom steady bearing. Shaft size 2.5 inches. Used as Whole Stillage Tank</p>	<p>Used - Good Canton, IL</p>

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Listed in Category Order. Click on an Asset Name for more details.

Vertical Tank ss Asset ID: TF-2101 Enerfab	Enerfab Tank. 25 ft dia x 40 ft. Capacity approx 142,365 gallons. Material ss304 tank/cs supports. Insulated. Weight 36,000 pounds. No agitator. Includes vertical ladder and platforms. See drawing in Links. Last used as cook water tank.	Used - Very Good Canton, IL
Vertical Tank ss Asset ID: TF-5201 EnerFab	EnerFab Thin Stillage Tank. 25 ft dia x 40 ft. 142,365 gallons. 304SS/CS Supports. Insulated. Weight 36,000 ss 304. No agitator. Includes ladder and platforms. Last used as thin stillage tank	Used - Good Canton, IL
Vertical Tank ss Asset ID: TF-5301 EnerFab	EnerFab Syrup Tank. 20 ft dia x 25 ft. 57,905 gallons. 304SS/CS Supports. Insulated. Weight 25,000 pounds ss304. Price includes agitator, ladders, platforms. We can sell the Agitator from this tank separately - see Asset AT-5301.. Last used as ethanol syrup tank.	Used - Good Canton, IL
Vertical Tank ss Asset ID: TF-7201 EnerFab	Vertical ss tank - size 25 ft dia x 40 ft. For approx 142,365 gallons. Insulated. Weight 36,000 pounds ss304. Includes ladders/platforms. We have drawing - see link. Used as EnerFab Process Condensate Tank.	Used - Good Canton, IL
Vertical Tank ss Asset ID: TS-9504 Kennedy Tanks	Vertical stainless steel tank, on legs. Mfg by Kennedy Tanks. Approx capacity 2,200 gallons, size 6'-3" x 10'-0" s/s with 5 ft cs legs for approx 18' OAH. Material ss304, atmospheric tank. Has 15 degree cone top, 20 degree cone bottom with 6" outlet, side entering 24" manhole, level transmitter. See link for drawing. Used as Sulfamic acid Wash Tank	Used - Good Canton, IL
Vertical Tank, ss Asset ID: TK-7601 Baker Tank	Vertical tank API 650 stainless steel 304 insulated with 3" fiberglass. Rated at 0.25 psig at 300F. Size is 32'-3" dia x 40' for a capacity of approx 244,422 gallons (nominal 219,980 gallons). Sloped bottom, insulated. SN 07249, Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know. Used as Process Condensate Tank. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Good Vicksburg, MS
Vertical Tank, ss Asset ID: TK-7602 Baker Tank	Vertical tank API 650 stainless steel 304, rated at 0.25 psig at 300F. Sloped bottom, 15 degree cone top, i3" insulation. No agitator. Size is 20'-3" dia x 24' for a capacity of approx 57,821 gallon (nominal 1328 bbl 55,776 gallons) sn 07250. Includes ladders. Shell thickness 3/16". Has 24" manway on side, 20" hatch on top, Used as Dilute Caustic Tank. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Good Vicksburg, MS
Vertical Tank, ss Asset ID: X2070 Columbian TecTank	Columbian TecTank vertical stainless steel tank, on legs. Top entering agitator. Cone bottom, side entering manhole. Must get measurements but approx size 5 ft dia x 13'-3" tall for capacity 1946 gallons. Used as SS Tank South of Water Tanks Feeds HydraSep 2	Unrated Mississippi
Vertical Tank, ss Asset ID: TK-7901 Baker Tank	Vertical tank API 650 stainless steel 304L rated at 0.25 psig at 200F. Size is 30' dia x 30' for a capacity of approx 158,630 gallons (nominal 150,000 gallons). Spiral stairs, top handrail. Ser num 142724. Used as Reclaim Tank. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Used - Very Good Vicksburg, MS
Vertical Tank, ss Asset ID: 2062	Stainless steel ss304 vertical tank. Size 52.5" dia x 70.5" tall. Flat top, slight cone bottom. Capacity 600 gallons. Has short legs 6". Pk6020	Used - Very Good Northern US

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Listed in Category Order. Click on an Asset Name for more details.

<u>Vertical Tank, ss 145 gal</u> Asset ID: 2050	Vertical stainless steel tank, insulated. Size 30.5" dia x 45" tall on legs for 76" OAH. Capacity 145 gallons. Pk6020	Used - Good
<u>Vertical Tank, ss cone bottom</u> Asset ID: 2061	Stainless steel vertical tank - size 50" dia x 84" tall on legs for 117" OAH. Capavcity 580 gallons. Flat top, Cone bottom approx 45 degrees. On legs. Pk6020	Northern US Used - Excellent
<u>Yeast Prop Tank</u> Asset ID: TK-3102 Baker Tank	Vertical tank stainless steel 304, API 650. MAWP rated at 2.5 psig at 300F. sn 07244 Tank was 48 ft tall but modified in 2009 to remove some rings and add a cone bottom internal. New size is 22'-6" dia x 26'-5.5" tall for a capacity of approx 78,914 gallons. Flat top, cone bottom inside the sloped bottom. Has vertical ladder and 360 degree handrail on top. Used as Yeast Prop Tank. Sold As Is Where Is but it is too big to move - we can provide quote to cut up and move, reinstall if necessary. Price depends on the scope. Let us know.	Northern US Used - Very Good Vicksburg, MS