



product offering





# The World's Best Brands.



# Supported by the Right People.

## From a Single Solution. To Processing Experts.

Ecoverse began in 2001 with the introduction of the Doppstadt brand of environmental processing equipment to the North American market. Originally founded as DoppstadtUS, we spent our first few years building awareness of Doppstadt and the benefits of their slow-speed shredders, high-speed grinders, trommel screens and other unique solutions.

As demand for organics recycling continued to grow, DoppstadtUS rebranded as Ecoverse to accommodate our expansion beyond just the Doppstadt product line. In 2012, we became the exclusive distributor of BACKHUS turners to provide customers with equipment solutions covering the complete composting cycle, from organics preparation to final screening.

Shortly after, Backers star screens were added to the mix, extending the ability of our customers to create a finished product under any environmental condition. This stable of three leading brands served as the foundation for Ecoverse to become established as the industry leader in organics processing equipment and solutions. We spent the next decade solidifying and expanding our experience.





“Through our headquarters in Ohio, satellite locations in Nevada and Ontario, and regional product specialists throughout the United States and Canada, we continue to meet the high expectations of our customers with a world-class product offering, extensive solution expertise and industry-leading parts, service and support. We’re here for you, every day.”

—Hugh Fagan, President, Ecoverse

20 Years in Business.  
More than 200 Years of Combined Experience.

Leveraging that expertise, Ecoverse Stationary Solutions was also launched in 2012 to partner with customers developing site specific operations. The following year, Tiger depackaging systems also became part of the Ecoverse offering in North America to give customers a dependable option to enter the growing food waste processing market.

After nearly two decades of environmental application experience, Ecoverse launched the range of EcoSift density separators and EcoStack conveyors in 2017. Each of these products were developed in response to recurring needs in the marketplace that were not being supported by equipment manufacturers and suppliers.







trommel screens





# trommel screens

## The Original is Still the Best.

Doppstadt trommels are North America's #1 brand for good reason—precision engineering, high-quality components and incredible efficiency. These benefits make any screening job easier while still lowering your cost of throughput and material production.



**SM 720K Plus**





SM 726 SA Plus



SM 617 Plus



SM 720 Plus



SM 720 SA Plus

## Engineered to Outperform

Doppstadt trommels are purpose-built to handle a wide range of applications—from compost and mulch, to topsoil, light aggregates, C&D and MSW. With electronic load-sensing functionality and remote control, the machine can be run at peak performance by a single operator, further reducing your overall production costs.

Regularly scheduled maintenance is made easy by the swing-out engine, central lubrication points and multiple access doors. Need to change screen sizes? Simply lift the drum off the urethane wheels, drop in a new one and resume screening again in just 15 quick minutes. A trommel truly designed to respect your time.

“Even if you know absolutely nothing about screening, you could look at the SM trommel next to another machine and easily tell which is producing more product. It really is a major revenue producer.”

—Tyler Tremblay, Tremson Corporation

### Available Options

tipping and vibrating grids



multi-channel remote control



magnetic head pulleys



star screen insert



windsifter attachment



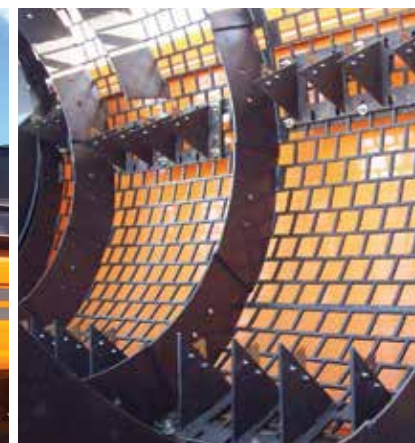
mulch coloring system



hopper extensions



bag rippers





Innovative Features on Every Machine



Auto load sensing varies the material flow from the hopper to consistently maintain peak output.



The laser-cut, auger-style drum design provides best-in-class open screening area.



The trommel drum is driven by a double chain and sprocket that delivers exceptional torque.



Optional 9.6 yd³ hopper offers a low feed height and is driven by twin gear drives.



The entire engine unit swings out 90° from the machine for convenient maintenance access.



True modular construction allows easy access for operators and technicians.

**Doppstadt**



high-torque shredders



“ We have been using Doppstadt shredders and trommels for more than 15 years. We still use both our SM 720 and DW 3060, which we purchased in 2005, almost on a daily basis. If there was a better machine, I would have owned it. ”

—John Desrosiers, 1 Stop Landscape Supply



# high-torque shredders

## High Volume. Volume Reduction.

As the global leader in shredding technology, Doppstadt high-torque shredders deliver the most efficient and effective volume reduction in the industry. Shred any hard-to-process material with maximum uptime.



**INVENTHOR TYPE 9**





INVENTHOR TYPE 6



INVENTHOR TYPE 9



DW 3060K



METHOR

## Making Material More Manageable

With decades of innovation behind them, Doppstadt high-torque shredders are now found on landfill and material processing sites around the world. The high torque of the shaft combines with the breakaway tooth-and-comb shredding mechanism to deliver worry-free performance regardless of source contamination.

Pack more material in each load from a site clearing project. Fit more waste into every cubic yard of landfill space. Prep organics to create the perfect windrow structure. Doppstadt high-torque shredders are the perfect machine for operations looking to reduce costs through an effective primary volume reduction process.

*“We’ve certainly had other machines and the experience was consistently more time-consuming on the maintenance end. Often it felt like you were working on them more than you were running them. But Doppstadt has always been great for us, so much so that we bought several more machines over the years.”*

—Mike Kelsey, Bonneville County Solid Waste

### Available Options

multiple tooth configurations



hopper extensions



selector screen



telematic monitoring system



quick change shaft



magnetic head pulley



limiter system



LED lighting system





Innovative Features on Every Machine

“We own a Doppstadt shredder, grinder and trommel screen for our landfill operations and I must say that at first I was dubious, but then left in complete admiration regarding the capabilities of the shredder. It really is a multi-purpose machine which can handle pretty much everything we have thrown at it! I am also amazed as to how low the fuel consumption is on each of my Doppstadt machines.”

—Rick Martini, Casco



The shaft is directly driven by the engine for maximum torque, power and efficiency.



Even the messiest landfills and compost sites are no match for Doppstadt's tracked chassis.



A hydraulically activated tipping hopper allows smart and efficient material feeding to the shaft.



The VarioDirect drive allows the shaft to increase torque, reverse and start under load.



Recover metals and protect secondary processing equipment with a powerful neodymium magnet.



Fold-out components and wide interior access make Doppstadt a favorite of technicians.

**Doppstadt**



additional solutions





# additional solutions

## Finish to Perfection.

From precision grinders to innovative compost turners to unique material separation systems, Doppstadt is always pushing the boundaries of organics processing solutions. Finish any material into a value-added marketable product.



**AK 640K**





AK 640SA



AK 640K



AK 565



AK 315

## Innovative Solutions to Unique Problems

Mulch, biofuel, compost, basic organic fractions. Getting above-market rates for finished organic products requires cutting-edge processing solutions. And the world leader in environmental technology is Doppstadt. Since introducing the first slow-speed shredder in 1965, Doppstadt has continued to push boundaries.

Born through customer collaboration in solving unique processing needs, every product is thoroughly field tested. High-speed grinding. Organic extraction. Density separation. Compost turning. Capitalize on the latest organics trends and secure better material contracts by leveraging new capabilities made possible by Doppstadt.

*“The AK uses much less fuel than our tub grinder. But the swinging mill has to be the biggest advantage. If you get any contamination or metal in it, it doesn’t self destruct. The solid mill can get really jammed up and take you down for a day easily.”*

—Randy Kreider, Kreider Mulch

### Additional Doppstadt Products

Selector 400



Selector 800



DZ 750



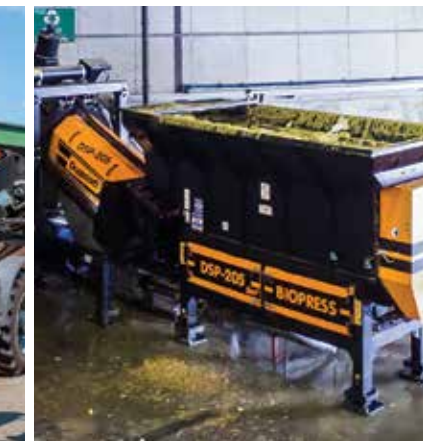
DU 265 compost turner



DU 320 compost turner



DSP 205 BioPress extractor



HDS-M density separator



DM 215 Mixer





Innovative Features on Doppstadt Machines



An upswing hammermill with free-swinging flail tips protects AK grinders against contaminants.



A quick-change system allows sizing baskets on AK grinders to be swapped in just 15 minutes.



The selector enables precise, screened sizing with recirculation of the oversized product.



The DZ Kombi is a two-in-one combination of high-speed grinder and high-torque shredder.



The DM 215 Mixer is one of the most powerful, portable mixers in the marketplace.



Tractor-pulled DU turners have a 3-point hitch, hydraulic connector and PTO hookup.



windrow turners

“The upswing design on the AK hammers gives us a very consistent 1.5” minus product, and they have only needed to be changed every three weeks or so. We were lucky to get a week out of the hammers in our previous machine.”

—Randy Whitsell, Calvert Wood Products





# windrow turners

## Take a Turn for the Better.

BACKHUS turners do more than just turn compost, they aerate windrows of any material type and build pile structure that promotes hydration. By creating an ideal environment for accelerated microbial growth, BACKHUS turners help to greatly reduce composting time.



A65





A75



A60-A65



A50-A55



A30-A36

## Tomorrow's Turner Today

Large commercial composters. Municipal compost sites. Farm-based manure composting. BACKHUS turners deliver value to organics recyclers of any size or scale with models ranging from the compact self-propelled A30 to the highly impressive A75—the largest production turner available in the industry.

Produce more compost in less space with toe-to-toe window placement, and in less time with the action of the horizontal auger-style processing drum. Combined with a wealth of additional innovative features that simplify operation and maintenance, BACKHUS turners are proven to be the world's best turner.

*“Not only can we fit more windrows in less space, we're able to cure twice as much compost in the same amount of time. It's really unbelievable just how much our investment in the BACKHUS turner has paid off.”*

—Kerry Weaver, Town of Lexington, MA

### Available Options

elevating cabin



irrigation connection



remote heated mirrors



landfill undercarriage



fleece winder



wheeled undercarriage



side conveyor



irrigation hose reel





Innovative Features on Every Machine



Large diameter drum maximizes homogenization and oxygenation of the windrow material.



The industry's largest cabin provides the operator with a 360° view of the site.



A fold-out work platform gives technicians clear access to the machine's components.



The single-joystick control, load-sensing and touchscreen display make for easy operation.



Independently controlled track clearers guide material to the drum and "float" to fit any pad.



Self-diagnostic CAN-bus system provides real-time feedback and alarms in readable text format.



star screens



“The A60 is a 20-foot turner so we are able to build windrows a little bigger to fit more compost into the same amount of space. The horsepower is lower but the throughput is greater so we can do more with less fuel. And being able to turn the entire windrow has eliminated the need for us to ever use a bucket in the turning process.”

—Pat Geraty, St. Louis Compost



# star screens

## Neither Snow, Nor Rain ...

Environmental conditions will not degrade the massive throughput of a Backers star screen. Screen compost in the rain. Screen dirty wood chips or aggregate. The innovative design of Backers even accommodates direct feed from large grinders.



3-tal





3-tal



3-mal



3-mta



2-ta

## Delivering Non-Stop High-Volume Production

By creating aggressive agitation with heavy-duty polyurethane stars, Backers star screens effectively break up material during the sizing process. This action can be advantageous over drum-style trommel screens or mesh-style deck screens when weather frequently impacts operations or affects source stockpiles.

A range of models and options ensures a perfect fit in any application, in any environment, for any operation. Create two, three or even four sized fractions in a single pass. Choose a tracked or wheeled chassis, or the only hybrid track/wheel chassis in the industry. The flexibility and performance of Backers is unmatched.

“Finishing compost or pulling fines through our Backers nets us far more volume for the time and fuel. It just makes much more sense to use our Backers as the workhorse of the operation.”

—Jim Hiltner, CPRC

### Available Options

tracks



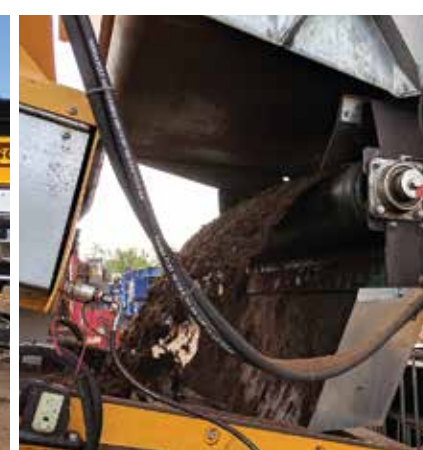
wheels



track-wheel combination



deck slider



wind sifters



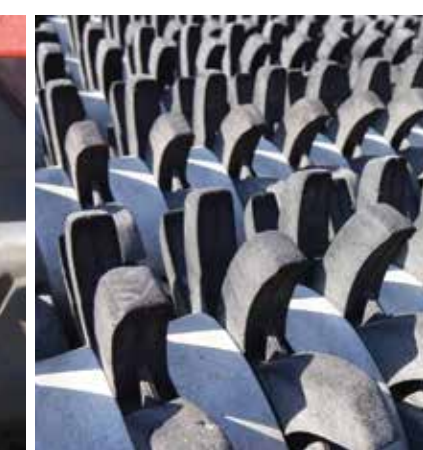
automatic deck cleaner



auger in hopper



PU stars





Innovative Features on Every Machine



Hydraulic deck slider allows change from three-product to two-product configuration.



The rear-mounted engine compartment is fully accessible without the need for ladders or steps.



On three-fraction units, oversized material is only screened on the coarse deck to minimize wear.



A four-bolt system connects the shaft and stars, creating stability and improving shaft tolerance.



The precision control system allows the right product to be produced at the right level.



Heavy-duty stars agitate material to maximize production in wet conditions.



depackaging systems



“The engineering [of Backers] convinced me that it was what we need. We color our mulch black, brown, and red. When you do this, it’s important to have as few fines in the mulch as possible. We either screen the fines back into the mulch or use it for our compost or soil product. With less fines in the stringy mulch product that goes through the dying process, less dye and water is expended.”

—Max Peachy, Metzler Forest Products



# depackaging systems

## From Food Waste to Organic Gold.

On a single, small stationary footprint, Tiger Depackaging Systems separate organic waste from inorganic packaging, converting food waste into cashflow. In a single pass, the Tiger can feed, separate, process and extract organics into a wet or dry output.



HS-90





HS-55



HS-90



HS-30

## A Compact and Cost-Effective Solution

The Tiger changes between a wet or dry organic recovery system with a simple flip of a switch. This flexibility makes it ideal for processing bulk commercial waste, pre- or post-consumer food waste or institutional food disposal with output perfect for composting, animal feed or as feedstock in AD biogas production.

Inorganic fractions are cleaned and prepared for recycling. Recover plastic, cardboard, aluminum or metal for additional value. Separate paper, plastic or cardboard fractions from final organic discharge to ensure a high-quality, clean finished product. Capitalize on the food waste boom with a revolutionary Tiger Depackaging System.

*“We looked at a few other machines but we didn’t like how they performed and the amount of contaminants that they let through. The Tiger was clearly more precise and thorough.”*

—Kevin Anderson, Missouri Organic Recycling

### Available Options

easy access



dry discharge system



wet discharge system



dual discharge system



conveyors and auger



paper pulp recovery



system integration



small footprint





Innovative Features on Every Machine



Feed, separate, process and extract organic and inorganic material in a single pass.



An auxiliary feed auger eliminates product bridging by reversing at programmable timed intervals.



Fully integrated unit requires only a small, compact footprint to fit in most workspaces.



Stainless-steel construction ensures cleanliness, low maintenance, no rust and a long life span.



A high-speed vertical mill with bolt-on paddles extracts organics via centrifugal force.



Instantly change between wet or dry organic discharge with programmable water content.



density separation



“Because the machine doesn’t differentiate and give up on getting that last banana peel out of a bag, it clearly does a better job of separation than we could manually. Plus, hand sorting is just not a job anyone wants to do, especially outside in a New England winter. It’s just clearly a safer and more productive option.”

—Brian Fleury, WeCare Organics



# density separation

**Don't Discard.  
Decontaminate.**

The EcoSift Ventus 4 decontaminates compost overs by integrating directly in the live screening path during production. Legacy compost overs pile? Recover valuable organics and reintroduce overs to the compost cycle without the worry of contaminant buildup.



**Ventus 4**





Ventus 4



Ventus 4



AERAS electric



AERAS

## Break the Organics Contamination Cycle

The EcoSift Ventus 4 is an innovative solution for removing contamination from screened compost overs without costly hydraulic separation. The unique expansion chamber and other exclusive EcoSift separation technologies extract stone, paper, plastic, metal and other inorganics from a live overs discharge stream.

For low-cost removal of light fraction only, the EcoSift AERAS is an effortless plug-and-play windsifter that attaches to the overs discharge belt of any processing system. Reintroducing overs into the next cycle of composting, or producing the cleanest final compost, helps instantly maximize revenue and increase profit.

“Plastic contamination has always been a difficult issue for composters. I have owned and demoed many machines in the past to find the best solution for plastic removal but nothing has worked as efficiently and effectively as the EcoSift Ventus. If you have a plastic problem, I would recommend the Ventus as the solution.”

—Pat Geraty, St. Louis Compost

### Standard Features

dual air filtration systems



full-access panel



secondary destoning belt



full CANBUS control



air hose integration



separation drum



dual suction fans



internal suction fan





Innovative Features on Every Machine



A destoning belt quickly separates rock and stone content from the finished product.



During settling in the expansion chamber, light fractions and foils are captured by the suction fans.



A powerful air knife blows light fractions and foils from the expansion chamber to the suction fans.



Any remaining contaminants are separated by dual suction fans, leaving a clean midsize fraction.



The hydraulically powered AERAS fits on any conveyor from 32" to 48" wide.



Keep a clean site and conveniently dispose of contaminants with the discharge hose.

ECOSTACK



material handling



“The EcoSift Ventus is a game changer for any composter with a contamination issue. Not only does it remove plastic but it also destones and eliminates ferrous contaminants.”  
—Aaron Enebrad, Republic Services



# material handling

## Stack Higher. Not Wider.

Aggregate from a crusher. Compost from a screen. Wood from a shredder. Wherever material needs to be moved or stockpiled, EcoStack conveyors are built for the task. Fit more inventory in less space with efficient EcoStack material handling.



8036W





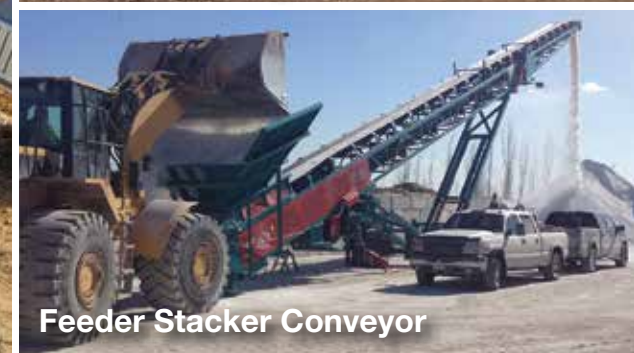
Tracked Conveyor



Tracked Feeder Conveyor



Tracked Conveyor



Feeder Stacker Conveyor

## Save Labor. Save Fuel. Save Wear. Save Time.

Conveyors are the lifeblood of any processing operation. Adequate conveyor capacity maintains peak throughput, provides essential flexibility and allows maximum inventory storage in a constrained amount of space. EcoStack conveyors are engineered to provide the most efficient performance for any material handling application.

Stockpile higher and faster with widths up to 48” and lengths to 150’. Stack non-stop with powerful radial action. Work worry-free with a hydraulic wrap drive. And eliminate unnecessary expenses with ultra-durable construction. No other equipment can impact your operation more significantly than an EcoStack conveyor.

“ Our EcoStack conveyors allow us the versatility to bid grinding jobs aggressively and get the tonnage through the unit while keeping the loader focused on loading product and not clearing away. Both our tracked and wheeled units are super user-friendly and ready for transport ten minutes after we finish the job. ”

—Wendell Gibbons, Grinder Services

125-36W



10048K



6536K



9036W direct feed



Common  
Models



Innovative Features on Every Machine



The hydraulic wrap drive provides maximum torque on the wheeled conveyors.



Easily transport any conveyor on the street with an optional road-legal package.



Heavy-duty tracks allow the conveyors to maneuver over rough and muddy terrain.



High-quality vulcanized belts deliver durable, long-lasting performance.



Satisfy any material handling need with models ranging in length from 50' to as long as 150'.



For a specific application that perfectly fits any need, custom conveyors and builds are available.



stationary systems

“The EcoStack tracked conveyor has significantly reduced the usage and cost of maintenance on my loaders since we installed it. I have moved much more material at a lot less cost.”

—Jim Best, Organics Supply





# stationary systems

## Plug in to Ecoverse Stationary Electric Expertise.

From a single stationary-electric component, to a complete turnkey system, Ecoverse has the engineering expertise to design, build and support permanent processing equipment at any scale, with all the benefits of our world-class stable of brands.



SST 1025





Organics Processing Systems



C&D Systems



Waste Processing Systems



Conveyor Systems

## A Single Function or a Fully Functional Solution

Shred. Screen. Grind. Sort. Separate. Convey. Ecoverse Engineers have designed and implemented solutions from a simple, single-stream material processing plant to a complex multi-stream waste handling operation. Every stationary system starts with a site review and application analysis to ensure the most efficient outcome.

Each individual component is then specified to function effectively as part of the overall solution to ensure a consistent material flow is maintained from input to exit. Just need a single plug-and-play component for an existing system? All the major machines we represent offer multiple stationary electric configurations.

*“When we designed our new indoor compost screen system, we wanted to create two products and an overs. Ecoverse custom designed the system with a split drum and two discharge conveyors so in one pass we can make a 3/8” compost and a 1-1/4” cover material.”*

—Chris Snively, ADI

density separation

custom build to suit

stationary shredder

stationary trommel

conveyor

equipment integration

low cost of operation

feed hopper

### Available Components





## Stationary Components to Fit Any System



Slow-speed high-torque shredders deliver primary volume reduction.



Trommel screens deliver precision screening and separation with quick and flexible sizing changes.



Density separators remove contamination and other unwanted fractions from finished material.



High-speed grinders create a premium finished product to a consistently precise specification.



Sorting stations offer the most cost-effective method for recovering valuable materials.



Ecoverse expertise, integration and installation come standard with every stationary solution.



**parts, service and support**



“The SST 1025 has been in operation for over a year now. We’ve experienced increased production with a reduction in downtime, fuel usage, maintenance, and overall cost per cubic yard. The low profile hopper allows our wheel loaders to feed the trommel, freeing up availability of support equipment, which in turn increases our overall production. We couldn’t be more happy with it!”

—Grant Williamson, The Ground Up





Extensive Service

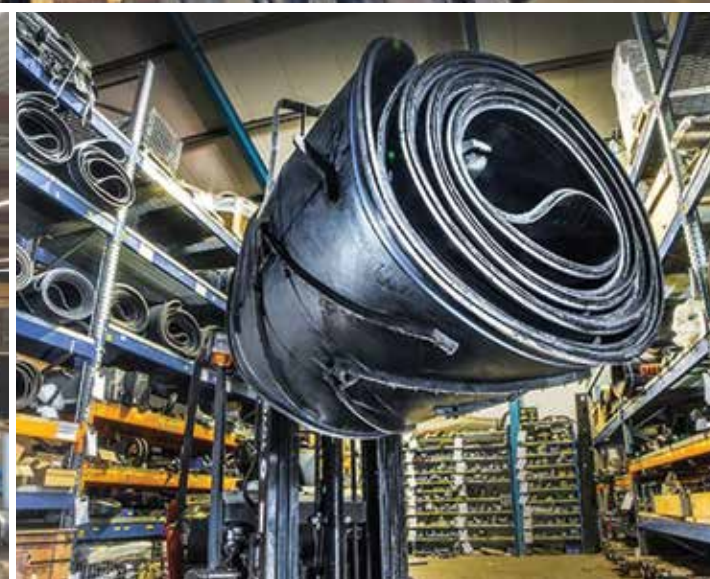
## Ecoverse Has You Covered

Our commitment does not end after you purchase a machine. Rather, it's just the beginning. An experienced team of technicians, parts consultants and application specialists are always available to help make sure your equipment is always making the maximum contribution to your operational bottom line. Need a quick wear part?

We always have millions in stock for quick delivery. Ready for your regularly scheduled maintenance? Our national network of distributors and service technicians are standing by to help. Finding an application challenge you can't solve? A support specialist will talk you through it. We're always here for you.

*“Our service department takes pride in our quick response times and knowledgeable personnel ranging from hydraulics and electrical specialists to OEM-certified mechanics. We always have the tools and resources required to get the job done correctly in a timely manner.”*

—Corey Shaffstall, Ecoverse Parts and Service Manager







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