



SPRING 2022



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MATERIAL PROCESSING

A PUBLICATION DEDICATED TO MATERIAL PROCESSING INDUSTRY PROFESSIONALS

SOLUTIONS



KOMATSU

H&H Land Clearing
GROWING MORE PRODUCTIVE
AND DEPENDABLE WITH KOMATSU



Terex Ecotec Expands Range **WITH NEW TSS 390T SHREDDER**



Leading material processing equipment specialist, Terex Ecotec, is expanding its shredding range with the introduction of the TSS 390, a robust and versatile single-shaft, slow-speed shredder. Powered by a fuel-efficient 493HP Scania DC13 engine, it is designed for maximum output and minimum down time. Ideal for volume reduction, the TSS 390 can handle the toughest of materials, is simple to operate and offers excellent all-round serviceability.

The TSS 390 comes with the industry-leading T-Link telematics solution as a standard feature.

“We are committed to delivering innovative, high-quality products. The addition of the TSS 390 will further enhance an already-significant range of shredding products,” said Tony Devlin, Business Line Director for Terex Ecotec. The TSS 390 has been rigorously tested and proven in a diverse range of applications and will open up new opportunities in the market.

The TSS 390’s 10-foot shredding shaft is expertly designed, and fabricated from heavy-duty steel with easily replaceable, bolt-on shredding teeth. Being hydrostatically driven, it offers the benefit of full speed, full-torque reverse and provides protection against contaminants. This, combined with customizable

shredding programs, enables the machine to be configured to your specific requirements.

Shredding takes place against a hydraulically adjustable counter comb which allows the operator to easily tailor the product size to suit their needs. This comb can be operated in either a fixed position, where product size is critical or in release mode when the comb can open rapidly to allow large contaminants to pass without the need to stop shredding.

The shredding chamber has hydraulically operated doors on both sides allowing unrivalled service access. The TSS 390 offers quick set-up and will be ready to shred in a matter of minutes. All conveyors are speed-adjustable, and modular in design allowing each one to be removed independently reducing maintenance downtime.

The optional, over-band magnet provides magnetic separation, is both height and angle adjustable via a remote control and can be configured to discharge from either side of the machine. Dedicated shredding programs provide maximum throughput in even the most difficult applications.

Available as both tracked and wheeled, the TSS 390 comes with the industry-leading T-Link telematics solution as a standard feature. T-Link is designed to improve productivity, efficiency and profitability for customers.

Contact your Columbus Equipment Company representative today for a 390T demo!



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MATERIAL PROCESSING

ASTECC GT145 Mobile Incline Screening Plant HIGH-ENERGY PROCESS INCREASES CAPACITY BY UP TO 50 PERCENT



The ASTEC GT145 mobile incline screening plant is the best option for processors that need flexibility and high G forces. "This tracked screen plant has an optional, multi-frequency screen box that operates at up to 15 G-forces, by far the highest in the industry, competing models have conventional screen boxes that operate at 4 or 5 Gs," noted Danny Loughran, aggregate equipment sales specialist for Columbus Equipment Company's Material Processing Division.

The ASTEC GT145 has an optional, multi-frequency screen box that operates at up to 15 G-forces, by far the highest in the industry.

"The GT145 with a Multi-Frequency screen box has a bottom deck operating at up to 4,200rpm and up to 15 Gs. This minimizes binding in finer screen applications and increases capacity up to 50% more than competing models."

"ASTEC is the only manufacturer with the Multi-Frequency screen box technology," he added.

The higher G-forces and increased production capacity make the GT145 an excellent choice for sand production, where high G-forces are necessary due to

the moisture content of sand.

However, the plant is also highly versatile in applications such as recycled concrete, C&D recycling, aggregates, recycled asphalt, crushed stone and gravel. It also has an onboard shredder for topsoil processing.

"The GT145 gives a customer more flexibility. If you want to invest in just one plant but be able to use it in multiple applications, this is the plant to go for," Loughran said.

The ASTEC GT145 has a 5x14-foot screen and two or three decks. It works with a wide range of screen media, including woven wire and speedharps.

The low-profile, compact screen plant is designed for durability and ease of use. Operators can quickly access all control components for setup and maintenance.

Additionally, the CAT-powered GT145 is built in Illinois, so parts are readily available, keeping downtime to a minimum. That's a serious advantage over screening plants that are produced overseas and depend on parts being shipped into the U.S.

Contact Danny Loughran of the Materials Processing Division at (317) 448-0414 to learn how the versatile and dependable ASTEC GT145 can improve your screening operations.



Where Profitability and Sustainability Meet™



H&H Land Clearing: GROWING MORE PRODUCTIVE AND DEPENDABLE WITH KOMATSU



H&H Land Clearing's XT430L-5 Operator Carl Prinkey makes short work of a land clearing project on Bacon Rd. in Painesville, Ohio.

When it came time to buy a new feller buncher, Mike Heiss didn't bother shopping around. His company, H&H Land Clearing, has owned a Komatsu 430 for more than a decade and has been very satisfied with it and the service he gets from Columbus Equipment Company. So to him, it made sense to buy another one, this time opting for the new XT430L-5.

"We're the first guys in on a project. Uptime and being able to produce are important to us."

Mike Heiss; Owner, H&H Land Clearing

"We really liked the 430, so we decided to upgrade but stay with the reliability of a Komatsu," he said. "We're the first guys in on a project. Uptime and being able to produce are important to us. We have to get the trees out of the way so everyone else can do their work."

In the decade since his previous feller buncher was manufactured, Komatsu made several changes and upgrades to the machines. Heiss and his operators like the changes.

"The biggest difference is that the cab has been moved to the left," he noted. "The Dash-5 is very similar to the new Komatsu excavators," so it's easier for operators to switch between the two kinds of machines.

H&H also owns multiple Komatsu excavators.

"The new XT430 is fast, powerful and aggressive," he added. The Dash-5 machines are designed so that operators can travel and operate the swing, arm and tool simultaneously. Travel speed also increased by 25%. "Everyone is looking to get something done a little faster, and you don't realize old machines are slow until you get a new one," Heiss said.

Operators like the ability to adjust the control settings to their individual preference. Other benefits of the new machine include a standard lighting package with 13 LED lights to illuminate nighttime operations. "The lighting definitely make things easy when days are short and the lights are on. We can get a good day's work in even when it's dark."

There's also good access to the engine compartment, making it easier for H&H mechanics to service the machine.

"While some companies reserve their feller buncher for large acreage, we believe in using the XT430 as much as possible. We will take the feller buncher to any job you've got. It's safer to cut with machines than to hand-cut, so we'll take it to a house lot. We use chainsaws on less than 5% of trees. We find using the machine is a safer and more efficient way of cutting trees," said Heiss.

Middlefield, Ohio-based H&H handles a variety of jobs, mostly in the Cleveland area, clearing everything from ODOT projects and 100-acre commercial sites



H&H Land Clearing's favorite color: Yellow. A yellow Komatsu PC290LC-11 loads lumber on a residential development site. A CBI 6800CT grinder also just joined the team ... it's yellow too.

to single house lots. They take the timber and produce logs for the lumber market and mulch for big suppliers like Scotts Corp. and Kurtz Brothers.

"We're in the land-clearing business, and wood products and mulch are a by-product. Our main focus is land clearing," Heiss said. Still, the company produces over 100,000 yards of mulch annually, although Heiss doesn't sweat about volume. "What we do every day has so many variables, we can't focus on a specific number goal" for mulch production.

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Mike Heiss; Owner, H&H Land Clearing

Heiss entered the land clearing business in the 1990s, when "there was always a house lot that needed to be cleared." Having come "from the dirt side," he didn't know much about logging and learned on the job. At first, he cut all the trees by hand, building the company through long hours and hard work.

As Heiss began to acquire more machinery to expand his company, he turned to Columbus Equipment Company. In fact, he was the company's first customer for the new Terex CBI line of

grinders, added in the fall of 2021. "We've run a 765-horsepower Petersen and a 1,050-horsepower Morbark," said Heiss. "The time it takes us to process a load (100 yards) with the CBI is almost 50% less—8 minutes versus 15 minutes—and the fuel cost is close to 40% lower—8 gallons versus 13 gallons, and chunk wood is no problem. The 6800CT is a great machine. It delivers a high-quality product, at an impressive rate of production ... and at a reduced cost overall. It's been a real gamechanger for us."

Heiss has always found the dealership to be dependable and helpful, which is why he bought the new Komatsu XT430 without ever examining the competition. "I like doing business with Columbus Equipment Company. Their service is good, and their attention to customers is the best. They will get you the service and help you need," Heiss said, adding that he owns brands from other dealerships and "the service is not there."

Material Processing Division sales rep Bob Stewart "is one of the best salesmen I've ever worked with. He knows his product like he's a mechanic, not a salesman. He's not afraid to get his hands dirty. He can get in there and help out," Heiss commented.

"One of the reasons I stick to Columbus Equipment Company is that both Bob and Todd [Hornak, sales rep from the Richfield branch] go the extra mile. They help me get done what I need to do."

As Heiss noted, nothing gets done on a construction site until his crews clear the trees, so he needs reliable equipment. In his experience, Komatsu and Columbus Equipment Company have been solid partners who've helped him uphold a proven reputation for dependability.



New and Previously-Owned, Late-Model EQUIPMENT FOR SALE AND RENT



**2021 CMI C300
Mulch and Mowing**
Cummin QSL9 (300HP), 4 Pump Hyd. System, D3 Type, Undercarriage, 22" Track Pads Standard Winch, Backup Camera, S250HD Stump or FAE 200U-210

\$448,900



**2021 CBI 6800CT
Mobile Wood Grinder**
Cat C27 Tier 4F Diesel Engine (150HP), PT Tech HPT015 Hyd. Clutch, Auto Reversing Fan System, 40"x60" Hammermill (24 Hammer Pattern), Forged Drum Offset Helix Rotor

CALL FOR PRICE



**2020 CMI C475
Mulch and Mowing**
CAT Tier 4F C-13 (475HP), 4 Pump Hydraulic System Attachment, One Piston Pump, Track Two Piston Pumps, Auxiliary Function, One Gear Pump Seal and Lube

\$556,650



**2019 CBI Magnum
Force 6400CT**
CAT C27, Tier 4F Diesel Engine (1050HP) PT Tech, HPT015 Hyd. Clutch, Auto Reversing Fan System, 40" x 60" Solid Steel Segmented Rotor, Brute Rotor Package

\$949,000



**2020 CBI Magnum
Force 6800CT**
CAT C27, Tier 4F Diesel Engine (1050HP) PT Tech, HPT015 Hyd. Clutch, Auto Reversing Fan System, 40" x 60" Hammermill (24 Hammer Pattern)

\$849,000



2021 CMI C475
Cat Tier 4 C-13 (475HP), 4 Pump Hyd. System, Seal and Lube D-6N Cat Undercarriage, Elevated Final Drive Design, 28" Single Grouser Pad, Back Up Camera, Standard Winch

\$598,775



2018 Morbark 6400XT
Cat C27 Tier 4F Diesel Engine (1,050HP), PT Tech HPT021 Hyd. Clutch, Morbark Auto Reversing Fan Sys., 42" x 61-3/8" Hammermill (30 Hammer Pattern), 40" Top Compression Feed Roll

\$755,000



**2021 Terex Ecotec
Phoenix 1600T**
Cat C4.4 Tier4F Diesel Engine (110HP), 5' x 16' Screen, 6.5 CU YD Hopper Capacity, Radial Conveyor W/180 Degree Swing And Variable Discharge Height

\$234,900



**2020 Terex Ecotec
Phoenix 2100**
CAT C4.4 Tier 4F Diesel Engine (173HP), 6'4" x 21'2" Screen, 7.4 CU. YD. Hopper Capacity, Radial Conveyor w/180 Degree Swing and Variable Discharge Height

\$289,000



**2021 Terex Ecotec
Phoenix 3300**
CAT C4.4 Tier 4F Diesel Engine (173HP), 10.2 Cubic Yard Hopper, Rear & Side Extension, 59" Feed Conveyor, 3-Ply, Variable Speed Control w/Load Sensing and Proportional Feeder Control

\$419,000



1994 Vermeer TG400
Used Tub Grinder Forestry Equipment

\$49,000



**2021 Terex Ecotec
TFC75 Organics**
Cat C4.4 Tier 4F Diesel Engine (110HP), Feeder Hopper w/Hyd. Adjustable Landing Legs, Variable Speed Control with Biomass Discharger Auger

\$259,000

Call Mark DiSalvo at (937) 424-7678, or your local Columbus Equipment representative, for complete listing information today!





MATERIAL PROCESSING

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