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A PUBLICATION DEDICATED TO ENVIRONMENTAL HEAVY EQUIPMENT PROFESSIONALS

# ENVIRO NEWS



**MORBARK**

AKRON'S FINEST MULCH





Ohio's Dependable Dealer

## Upgrades Elevate Morbark 6400XT Wood Hog To **TOP-OF-THE-PILE PERFORMANCE**



When Morbark's 6400XT Wood Hog horizontal grinder hit the market back in 2018, it was an uncommonly powerful solution for everything from land clearing to processing wood waste and storm debris into saleable products.

Weighing in at under 96,500 pounds and less than 11-feet-6-inches wide, it offered ease-of-transportability but packed an unparalleled punch with Tier 4 Final 1,050-hp Caterpillar C27 or 1,200-hp Cat C32 power, an oversized infeed bed, a 40" diameter top compression feed roll with 60" feed opening, and the largest discharge in the industry at 5,400 square inches of screening area. A compelling combination.

Since then, in collaboration with customers and its distributor network, Morbark has further improved performance and production in this waste-grinding behemoth, focusing on three distinct areas:

1. Increasing torque and improving rotor tip speed through shiv and gear ratio manipulation.
2. Employing hydraulic product improvements in the coils and valves.
3. Optimizing auto-feed settings, particularly when processing chunk wood.

Introducing these upgrades to an inherently powerful frame simply served to push the 6400XT's production over the top. "Rough-grind runs yielded 700 yards/hour, production unheard of from competitive machines," said Jesse Garber, Columbus Equipment Company Environmental Division sales representative. "I've seen

industry veterans literally step back in awe at the 6400XT's performance during demos. It's really something to see."

In addition to key performance upgrades, the 6400XT also comes with two key serviceability features. A hydraulically activated, dual hinge, rear hood allows for quick, easy access to grates within a few minutes of shutdown. Secondly, an idler belt tensioner not only maintains belt tension but reduces power loss as a result of belt deflection during instances of heavy impact while grinding.

**"Rough-grind runs yielded 700 yards/hour, production unheard of from competitive machines."**

Jesse Garber, Environmental Division Sales Representative  
Columbus Equipment Company

Specs and features are all well and good. The proof in the pudding, of course, is in the machine's performance. "The 6400XT is the way to go," declared Matt Brun of Champion Landscape Equipment and Supply in Dayton, Ohio after trialing and carefully evaluating various options.

Contact Columbus Equipment Company Environmental Division representative Jesse Garber at (937) 239-7180 or Bob Stewart at (440) 752-0836 today for details and a demo of Morbark's 6400XT Wood Hog horizontal grinder. It may just be the proof in the pudding you are looking for.



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Ohio's Dependable Dealer

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



Leading environmental 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 has been rigorously tested and proven in a diverse range of applications and will open up new opportunities in the market.**

"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!



Where Profitability and Sustainability Meet™







**MORBARK**

# Akron's Finest Mulch: GRINDING OUT IMPRESSIVE GROWTH

Visit [columbusequipment.com/news/videos](https://columbusequipment.com/news/videos)  
for more on Akron's Finest Mulch's operations  
and their sustainable forestry philosophy.



Akron's Finest Mulch's Morbark 6400XT now processes close to as much mulch in one hour as the company sold in its entire first year of operation.

Mario Halasa, operations manager for Akron's Finest Mulch, can sum up the company's growth in a few, succinct, apples-to-apples statistics, comparing the early years with today. "In our first year in business, we sold about 400 yards of mulch. Now we do over 60,000 yards of mulch, plus topsoil and gravel. We started on 4 acres of property, and now we have over 50. We started in a 4-by-8-foot trailer, and now we have two retail yards, a stockpile yard, and we're going to open another retail yard."

**"The Morbark has the horsepower and the ability to get the volume we want. It grinds so fast we're going to get a bigger stacker to take care of it."**

Mario Halasa; Operations Manager, Akron's Finest Mulch

The company recently purchased a 1,000-plus horsepower Morbark 6400XT Wood Hog Horizontal Grinder to meet growing demand for its products.

Akron's Finest Mulch has progressed through an array of increasingly larger grinders, culminating in the Morbark. Since taking delivery from Columbus

Equipment Company in July 2020, Halasa has been impressed with the grinder's performance. In fact, he said "the 6400XT is a badass grinder."

"We like the grind on the finer side, unlike some companies that make their mulch chunky," he noted. "For the finer mulch, you need a double or triple grind, and we're able to do that really well with the Morbark. It has the horsepower and the ability to get the volume we want. It grinds so fast we're going to get a bigger stacker to take care of it."

"I bought an excavator with a grapple on it to feed the Morbark, and we have multiple machines loading it, typically two to three loaders," Halasa said. "Before buying the Morbark, we used a Bandit grinder, and one loader was always enough."

While the Morbark's production rate is outstanding, Halasa is also celebrating another feature of the machine—long-lasting wear parts. "With the Bandit, operators had to change at least one or two teeth daily," he said, "racking up \$5,000 to \$7,000 in wear part expenses every month."

With the Morbark, operators rotate the teeth weekly with little need to replace teeth. "It's thousands of dollars of difference. We grind big nasty logs, and the difference in wear and tear between the Morbark and the Bandit is night and day. The amount of wear we get out of the Morbark teeth is unbelievable."

Akron's Finest Mulch is the first buyer in the world

**Where Profitability and Sustainability Meet™**



Yard Manager Kevin McKerrihan loads material at the main production facility on Copley Rd., Akron—one of the company's four locations. Upwards of 3,000 yds./day of mulch goes to retail, wholesale, college and hospital customers, as well as the City of Akron.

to get a machine with Morbark's new Vtection metal detection system, noted Bob Stewart, Environmental Division sales representative. The system uses sensors to monitor vibrations from the rotor and can detect when metal is hidden in a load of wood fed into the grinder. If the system detects metal, it backs the material out of the mill area, idles the engine and disengages the clutch.

## **"Akron's Finest Mulch is the first buyer in the world to get a machine with Morbark's new Vtection metal detection system."**

Bob Stewart, Environmental Division Sales Representative  
Columbus Equipment Company

Stewart has been assisting Akron's Finest Mulch since 2011 when the company purchased an old used Vermeer that Columbus Equipment Company had taken as a trade-in. "Bob is the one who started us on grinding mulch. We were paying someone else to grind it," Halasa said.

"The huge benefit we get from Morbark is that they are linked to Columbus Equipment Company, which is right down the road from us," he added. "It's a powerful machine, so we know there are going to be wear items, we're going to have questions. Columbus Equipment's ability to get over here quickly is huge. If the grinder goes down, we need it to be up ASAP."

Akron's Finest Mulch also runs Komatsu loaders and excavators purchased from Columbus Equipment Company, and Halasa is happy with the service and parts support Columbus Equipment Company provides

for all his equipment.

Mario's father, Husni Halasa, started the company around 2010, and Akron's Finest Mulch has been growing ever since. They've grown from a two-man operation to one that employs 25 to 30 people at peak season, including many relatives.



The Halasas wholesale to landscapers, municipalities, colleges, and other large buyers, and sell retail mulch to homeowners. They have two sales locations in Akron and plan to open a new location near Cleveland in 2022.

Akron's Finest Mulch is famous for same-day delivery, Halasa noted. "We introduced the idea to the area, and now lots of competitors offer it, too."

The company grinds all the mulch it sells, and it also processes compost and topsoil. It operates a dump that accepts brush, limbs and trees from tree companies, municipalities, and anyone who pays the \$10 dumping fee.

Throughout its growth, Akron's Finest Mulch has turned to the expertise of Columbus Equipment Company's Environmental Division as it needed more powerful and efficient grinders. From a used Vermeer to a badass Morbark, the company has concentrated on making high-quality products, and "that's the primary reason we've grown," Halasa said.





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



## 2015 Bandit 3680 Mobile Wood Grinder

CAT C-18 Tier 2 (755HP) (3) 25,000 pound Air Brake Axles, Fifth Wheel Hitch Configuration, 19' long x 60" Steel Infeed Conveyor, 20" Diameter Feed Wheel w/Remote Control

**\$275,000**



## 2018 Komatsu XF875-0 Forwarder

Agco Power - 7.4L (248HP) Hydrostatic-Mechanical Low/High Range Transmission Front Axle, 8WD Komatsu Comfort Bogie Rear Axle, Komatsu Comfort Bogie w/Differential Locks

**\$325,000**



## 2019 Terex PH1600 Screening System

CAT C4.4 Tier4F Diesel Engine (110HP), 5' x 16' Screen, 3.3cu yd Hopper Capacity, Radial Conveyor w/180 Degree Swing And Variable Discharge Height, 39,700lb

**\$175,000**



## 2020 Terex PH1600T Screening System

CAT C4.4 Tier4F Diesel Engine (110HP), 5' x 16' Screen, 6.5cu yd Hopper Capacity, Radial Conveyor w/180 Degree Swing And Variable Discharge Height 80,700lb

**\$219,000**



## 2015 Komatsu XT460L-3 Feller Buncher

New UC at 4,300 Hrs., Quadco 22B hot Saw Combi, Hydraulics, Work Ready

**\$299,000**



## 2019 Terex TTS620 Screening System

CAT C4.4 Tier4F Diesel Engine (173HP) 6'7" x 18' Punch Plate Drum, 7.2 cu yd Hopper Capacity, Variable Speed Control w/Load Sensing, 39" Fines Conveyor, 10'4" Discharge

**\$310,000**



## 2016 Warrior 800

**\$175,000**



## 2020 Morbark 6400XT Wood Hog Grinder

CAT C32 Tier 4F Diesel Engine (1,200HP), PT Tech Hyd. Clutch, Morbark Auto Reversing Fan Sys., 42" x 61-3/8" Hammermill, 40" Top Compression Feed Roll

**\$949,900**



## 1997 John Deere 748G Skidder

748G Skidder, 1,500hrs on Remanufactured Engine, Rebuilt Transmission, Dual Arch Grapple Tires 30%

**\$25,000**



## 2018 McCloskey 36NCL Mobile Wood Chipper

CAT C18 Tier 4F (800HP), 320L CAT Undercarriage, 36" x 43-1/2" Advantage, 3 Drum, 8 Knife

**\$499,900**



## 2018 McCloskey 36X80ST Radial Stacker Conveyor

CAT Tier 4 Final C2.2 (49HP), Hyd. Axle Jacks, Hyd. Landing Gear, Hopper Wing Plates, Martin Scraper, Road Towable, 3-Ply Plain Belt, Standard Feedboot Pivot Point

**\$69,900**



## 2018 McCloskey 36X100ST Conveyor

CAT 3.4B Tier4 Final (100HP), Hyd. Axle Jacks, Hyd. Landing Gear, Hopper Wing Plates, Martin Scraper, Road Towable, 3-Ply Plain Belt, Standard Feedboot Pivot Point

**\$99,900**

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







ENVIRONMENTAL DIVISION  
Regional Commitment

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## PERFORMANCE AND SAVINGS WORTH HOWLING ABOUT!

In side-by-side testing, Morbark® put their Alpha 3 insert to the test against competitor, GrinderCrusherScreen™, GCS14B1 insert. The testing crew encountered the same challenges customers face in the field every day, including working in dusty and dirty conditions, and hitting foreign objects often hidden from sight in materials being processed. In total, 20,450 yards of waste was processed, equating to approximately 255 yards per hour.

In the end, the results clearly proved the Alpha 3 not only out-performed the GrinderCrusherScreen insert, but also has the potential to save customers thousands of dollars in grinder wear parts on an annual basis. Now that's something to HOWL about!



SIDE-BY-SIDE TESTING	GRINDER CRUSHER SCREEN PART#GCS14B1	MORBARK® ALPHA 3 PART#40749-571
AVG INSERT/TIP RUN TIME	31 HR, 35 MIN	44 HR, 35 MIN
MSRP COST PER INSERT	\$24.00	\$25.05
AVG COST PER GRINDING HR	.76¢ PER HR	.56¢ PER HR
AVG. ANNUAL OPERATING TIME - TUB GRINDER	2,080 HR	2,080 HR
AVG. ANNUAL INSERT/TIP COST	\$28,454.00 PER YR	\$20,966.00 PER YR
ANNUAL SAVINGS		\$7,400

**For special, pallet-discount pricing on your next Alpha 3 inserts,  
contact Aaron Dunham at (513) 678-2430 or [aaron@columbusequipment.com](mailto:aaron@columbusequipment.com) today!**

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