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MATERIAL PROCESSING

A PUBLICATION DEDICATED TO MATERIAL PROCESSING INDUSTRY PROFESSIONALS

CONNECTIONS



Robert Jacobs Incorporated:
ASTEC GT440 OPENS DOORS
TO NEW OPPORTUNITIES



Astec Industries and Columbus Equipment Company: CUSTOMERS TO BENEFIT FROM EXPANDED SCOPE OF PARTNERSHIP



Columbus Equipment Company has expanded its product line to include Astec Industries' conventional crushing and screening equipment. The company has represented Astec's mobile crushing and screening equipment for several years.

"We are very excited to expand our Astec product offering. We have had tremendous success with the mobile crushing and screening lines and are eager to work with the traditional lines. We are proud of the

"We are proud of the service and support we offer our customers, and with an expanded product line, we can offer them even more."

Mark DiSalvo; Vice President, Columbus Equipment Company

service and support we offer our customers, and with an expanded product line, we can offer them even more," said Mark DiSalvo, vice president of Columbus Equipment Company's Material Processing Division.

"Astec manufactures a broad range of crushing and screening equipment. Adding the stationary equipment to our lineup broadens our ability to assist customers, especially those who need equipment for quarry and mining applications," noted Jesse Garber, general sales manager for the Material Processing Division.

The crushing product line includes jaw crushers,

cone crushers and impactors designed for heavy-duty use and low cost of ownership, whether you're crushing aggregate, concrete, stone or demolition material.

Astec's Pioneer jaw crushers are the highest-capacity jaw crushers on the market, and the Iron Giant series is designed for use in the harshest environments. Cone crusher options include the Kodiak series, which uses a unique roller bearing design instead of the conventional bushing design. The Titan cone crusher line is designed for tough, abrasive applications.

Astec impactors are available in horizontal, vertical and hybrid horizontal shaft designs.

Astec's screening options include incline, horizontal, high-frequency, dewatering, and combo units to suit a variety of operational needs.

The crushing and screening machines are also available in integrated systems that work together. Producers who use stationary equipment and add mobile equipment to fill in production gaps will find that Columbus Equipment is now a one-stop shop for both kinds of products, Garber noted.

Material Processing Division employees have completed training on the expanded line and are ready to support it, including existing machinery in the field. "Our staff is contacting existing users about supporting the Astec line," Garber said.

For more information about how Astec crushers and screens can boost your production, contact your Material Processing Division sales rep today.



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FAE RCU-75 Remote-Controlled, Tracked Carrier: SAFE OPERATION IN RUGGED TERRAIN ... NO PROBLEM



FAE is expanding its RCU series with an exciting, new RCU-75 model. The compact, powerful, remote-controlled tracked carrier is designed to work on hard-to-access areas and steeply-sloping terrain. In fact, the RCU-75 is capable of mulching vegetation up to 6" in diameter while climbing slopes up to 55 degrees.

“FAE product quality and performance continue to be industry leading. The RCU product line completes our land-clearing and vegetation-management product portfolio.”

Mark DiSalvo; Vice President, Material Processing Division

“Columbus Equipment Company is excited to expand our relationship with FAE USA,” said Mark DiSalvo, vice president of Material Processing. “FAE product quality and performance continue to be industry leading. The development of the RCU product line completes our land-clearing, vegetation-management and organic-material-processing product portfolio. With a wide-and-expanding fleet of world-class equipment options, Columbus Equipment Company has become the ‘one-stop shop’ for these specialty markets. Combined with best-in-class sales, rental and product support, customers tell us the value proposition is compelling,” DiSalvo added.

Specifically designed to improve onsite operator

safety and operating efficiency, the RCU-75 is an excellent option for hilly, wooded areas; power lines, gas and oil pipeline right-of-ways, highway, forestry and land clearing applications ... and many more.

A 74-horsepower, KOHLER KDI 2504, turbocharged and after-cooled engine powers the RCU-75. The engine—coupled with a heavy-duty undercarriage, high-profile rubber tracks, oscillating rollers and triple-flange style idlers—drives premium traction in the most challenging conditions. High-tech solutions also combine to give the RCU unbeatable traction, enabling it to work on the steepest of slopes.

Dual, hydrostatic transmission also provides optimal traction and management of the attachment. Electronically-controlled piston pumps combined with a dedicated electronic control unit provide an integrated technological system. The result is high performance and reliability that lasts, plus simple and intuitive operation.

The RCU-75’s comfortable, easy-to-use remote control unit features a large 3.5" display with customizable function keys. A 2.4 GHz transmission frequency ensures reliable communication.

The RCU-75 can be paired with the BL2/RCU mulcher, designed to mulch vegetation up to 6" in diameter. The BL2/RCU mulcher’s fixed tooth rotor and Bite Limiter technology provide higher productivity with less horsepower due to low power absorption.

Available in 2023, contact your Material Processing Division sales rep for more on how the innovative FAE RCU-75 can increase your operation’s efficiency, as well as the safety of your crew on the ground.



Where Profitability and Sustainability Meet™



Robert Jacobs Incorporated: ASTEC GT440 OPENS DOORS TO NEW OPPORTUNITIES



Robert Jacobs Incorporated's Astec GT440 Mobile HSI Crusher Plant relentlessly stockpiles crushed shale into 3,000-ton cones. Along with larger aggregate, liners and rubber chips, the finely-crushed shale is used as an effective surrogate for clay to line a large, new landfill cell.

Family businesses are the lifeblood of America, but with tough economic times small companies face many challenges. Bobby Jacobs, manager of Robert Jacobs Incorporated, an excavation company outside Cincinnati, Ohio, has followed his father's secret to success.

Continuing a 70-year-old family business is no simple task. Founded by his grandfather, Robert John Jacobs, and expanded by his father Robert Lee Jacobs, Bobby Jacobs took the reins in 2009.

**"We are a small,
family-centered company
built on traditional values."**

Bobby Jacobs; Manager, Robert Jacobs Incorporated

"We are a small, family-centered company built on traditional values," Bobby Jacobs said. With around 16 employees, the company focuses on residential and commercial dirt work. "We do a bit of everything from digging basements and readying building sites to hauling topsoil." Looking to capitalize on a business opportunity, Jacobs turned to Columbus Equipment Company and an Astec GT440 Mobile HSI (Horizontal Shaft Impactor) Crusher Plant.

Jacobs attributes the continuing success of his company to the foundations laid by his father and grandfather. "My father has always said success depends on the people that surround you." Jacobs believes working hard by day and then choosing to hang out together after work has cemented an incredible team where each individual is personally invested in the success of the business.

However, the success of a business goes beyond its employees. Long-term success depends on those companies and products that function in a supportive role. "I owe this chapter of my life and success of the business to Columbus Equipment Company, the great group of guys there, and their knowledge and expertise related to the reliable equipment they offer," Jacobs noted.

Working with an expanding, landfill operation, Jacobs' team put their Astec GT165 to work screening clay for the cell lining. Running out of clay, the landfill turned to its abundant, onsite shale deposits. Shale is an acceptable liner when crushed to meet state specifications.

"The Astec 165 dirt screener has been reliable and performed as advertised, and the Columbus Equipment team has been just as reliable. With the opportunity to expand into crushing, I looked to Columbus Equipment Company and Astec first," Jacobs said.

Jacobs presented the job specifications to Material Processing Sales Manager Jesse Garber, who believed



Robert Jacobs Incorporated's relationship with Columbus Equipment Company has allowed the Cincinnati-based company to branch into new segments with the confidence of having a dependable partner. As the adage suggests, when you crush rocks all day long ... you quickly find out who your friends are.

the GT440 would match the job well. Aggregate Specialist Danny Loughran, Product Support Aggregate Specialist Josh Lovett, and Garber went to work on the specification to ensure the machine met the state-required-sized shale. The team also took a hard look at the economics of the job by crunching numbers to help Jacobs place a realistic bid and ensure the GT440 would become an asset for the business. "The team went above and beyond for me," Jacobs said.

**"The Astec GT440
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We are surpassing the state
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Bobby Jacobs; Manager, Robert Jacobs Incorporated

Jacobs outbid two competitors for the six-figure job, and Robert Jacobs Inc. expanded its business to include crushing.

"The Astec GT440 has performed great. We are surpassing the state requirements for shale size thanks to Danny's expertise in making adjustments; everything has progressed smoothly," said Jacobs.

This particular machine has important versatility making it ideal for Jacobs and other excavation companies, noted Garber. "Capable of crushing and screening, with a detachable onboard screen plant, the GT440 is able to crush different types of aggregate meeting specifications for various applications. A closed-circuit enables aggregate to return to the crusher ensuring size specifications are met," he added. "The hydraulic-driven rotor allows speed adjustments to fine-

tune product size and enables better serviceability and greater access to the rotor. In addition, this machine can run multiple operations from one power plant since you can attach an additional stacker."



"Transportation to the site was simple since the machine folds up and is legal road height. All the shale must be under 2 inches, ninety percent needs to be under 3/4 inch, and 51% or greater of that has to pass through a 200-sieve. Basically, we crush the shale to powder. When we first ran the machine, the particles were not fine enough. With adjustments to steepen the screen slope and tweak the rotor speed, Columbus Equipment helped us exceed specs, running from 55% to 63% passing the fine sieve," Jacobs said. "All the capabilities of this machine combine to save fuel and reduce man-hours. Producing approximating 200 tons of shale liner an hour with no waste, the machine is a great asset and has opened doors for us."

Jacobs is looking forward to purchasing his next piece of equipment. "Columbus Equipment Company is invested in the success of businesses they serve. One phone call and they are here. Everything they do, they do it right."



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



2022 KPI-JCI GT440CC Crusher Aggregate

Cummins QSL9 Tier IV 1,800RPM (380HP), Radio Remote and Tether, 4240 Horizontal Shaft W/HD Solid Rotor, Speed Hyd Crusher Drive, 4 Bar Rotor 2 Full Rev Alf Blow Bars

\$759,000



2009 Doppstadt DW3060SA Scrap Processing/Demo

High Torque-Low Speed Shredder, 1,609 Original Hours, Cross Band Magnet, New Discharge Belt

\$249,900



2022 Terex TSC80T Conveyor

Deutz TD 2.9 (60HP), Large Capacity Biomass Hopper, 78" 9" Drum Centres Giving a Max Stockpile Height of 34'6" at 25 Degrees, 42" Wide 3 Ply Belt Hydraulic

\$120,000



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.

\$889,000



2022 CBI 6800CT Mobile Wood Grinder

CAT C27 Tier 4F Diesel Engine (1050 HP) PT Tech HPT015 Hyd. Clutch, Auto Reversing Fan System, 40" X 60" Hammerhill (24 Hammer Pattern).

CALL FOR PRICE



2022 CMI C400L Track Mulcher

Cummins Tier 4F QSL9 (400HP), 4 Pump Hydraulic System, Attachment One Piston Pump, Track Two Piston Pumps, Auxiliary Function One Gear Pump

CALL FOR PRICE



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.

\$719,000



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.

\$270,000



2022 CMI C400L Mulch and Mowing

Cummins Tier 4F QSL9 (400 HP) 4 Pump Hydraulic System Attachment, One Piston Pump Track, Two Piston Pumps, Auxiliary Function, One Gear Pump.

CALL FOR PRICE



2020 Terex Ecotec TSS390T

Scania DC13 Tier4F Diesel Engine (493HP), Single Shaft Shredder 3M Long X-1M Dia. (36 Teeth), Relieving Counter Comb with 17 Comb Teeth, 7 Cu. Yd. Hopper Capacity

\$633,792



2018 MOROOKA MST2200VD

Cab, A/C, Heat, 7.35 Cu. Yd. Bed, 30" Rubber Tracks

\$145,000



2022 Komatsu XT445L-5, Track Feller Buncher

Cummins 9L Tier IV (310HP) Arm 13' Straight with Tree Deflector Boom, Feller Buncher 14'10" Length Combo Bar Saw/ High Speed Disc Saw.

\$525,000

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





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