

A BEAST WITH BITE



Bandit
INDUSTRIES, INC.

LOCATION:

Remus, Michigan

SCOPE OF ENGINE USE:

Cat® C13B U.S. EPA Tier 4 Final, EU Stage V Industrial Engine

CAT DEALER:

Michigan Cat

banditchippers.com

CHIP OFF THE BLOCK

Many companies say they build products to last, but when it comes to Bandit Industries, the proof is in the performance. The forestry equipment manufacturer produced its first wood chipper in 1983, and that machine is still hard at work today. With more than 70,000 machines in operation worldwide ranging from hand-fed and whole-tree chippers to stump and horizontal grinders to track carriers and skid-steer attachments and more, you can find Bandit machines in 56 countries tearing up tough material in grueling environments. “We build machines that last for the long run and that outproduce the competition,” says Derrick Davis, Bandit’s design engineering manager.

The company’s popular horizontal grinder line, appropriately named “The Beast®,” shreds brush and trees into an end product that will later go on to be used for mulch and biomass needs. Recycling is another essential industry that relies on grinders for difficult-to-process chunk wood, plastic pipe, roofing shingles, storm debris and construction residue. In these applications, the patented down-turn cuttermill design on The Beast line of machines works with the flow of material, not against it, resulting in better control, fewer hang-ups and less wear and tear.

One of the newest additions to The Beast lineup is the Cat® powered 2460XP — filling a gap between the 1680XP, designed for smaller users, and the 3680XP, a one-size-fits-all recycling solution for larger operations. Ideal for mulch production and waste recycling, the 24-inch capacity 2460XP uses a 30-tooth sawmill running patented saw-tooth style cutterbodies to regulate the size of the tooth’s bite. That enables most of the material to be sized in the initial cut, so it exits the large screening area more quickly.

DESIGNED FOR THE DAILY GRIND

Biomass companies, mulch producers and recyclers that choose The Beast horizontal grinders have high expectations for durability and uptime: no matter how inconsistent the loads, how high the vibrations or how damaging the materials being processed. Delivering on these expectations requires components built as tough as the grinder itself, and it's why Bandit offers the Cat C13B U.S. EPA Tier 4 Final, EU Stage V Industrial Engine as an option to power the 2460XP. "It shows that we care about putting top-quality products on our top-quality machines. And Cat engines have been the top industrial power solution for years," Davis says.

Slow speeds call for high torque. One big advantage of the C13B is its torque curve. Grinders like the 2460XP are slow-speed machines, which means high torque matters as much as horsepower. If the engine can't produce and maintain a high amount of torque, it will shut down, causing the grinder to come to a halt and potentially plugging it with material. "Caterpillar has it figured out when it comes to torque-to-horsepower ratios. The torque curve on the C13B is phenomenal," Davis says.

New solutions, new requirements. Transitioning to Tier 4 Final engines wasn't without challenges, but Bandit partnered with Michigan Cat to develop a package that fits the 2460XP's space constraints without increasing the grinder's size. The two companies also collaborated to educate end-users on the requirements associated with Diesel Exhaust Fluid (DEF) and the importance of avoiding excess idling. "There was a lot to learn at the beginning, but we worked together, and now we're on the downward slope of the learning curve," says Dave Ezell, OEM account manager at Michigan Cat.

Support is the backbone. Having access to that kind of dealer support is another reason Bandit chooses Cat engines. The company prides itself on delivering the best customer service in the industry — called The Bandit Backbone™ — and designs ease of serviceability into every product. Knowing the global Cat dealer network is standing by to keep its grinders' engines on the job gives end-users added confidence in the 2460XP. "When there's an issue with a Cat engine, there's a dealer nearby and Cat techs right at the machine to take care of the problem," Davis says.



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LET'S DO THE WORK.™