



Bandit
INDUSTRIES, INC.

THE BEAST[®] XP SERIES:
HORIZONTAL GRINDERS



The year was 1983. The very first Bandit chipper was built in a 6,000 square-foot converted repair shop, with the assistance of just six employees. That first machine was the Model 100 Brush Bandit—a 12-inch capacity, hand-fed disc-style chipper (shown here).

Today, Bandit's complete product line-up offers more than 50 different machines to choose from, each packing the reliability, durability, efficiency, and production that have made Bandit hand-fed chippers world famous. All Bandit equipment utilizes welded construction with the highest grade materials available.

And when it comes to options, nobody offers more personalization than Bandit. It's easy to see why more than 50,000 Bandit machines have been sold in over 50 countries. And it's easy to understand why more professionals trust Bandit for their wood waste processing needs.

Join the Bandit family. Call your authorized Bandit dealer today!



Model 2680XP
Beast® Reduction Machine

THE BEAST®

BUILDS YOUR BOTTOM LINE.

THE BEAST® HORIZONTAL GRINDERS ARE ABLE TO PROCESS an amazing array of materials, turning them into valuable products. These horizontal grinders process stumps, logs, brush, wet leaves, whole trees, landscape waste, pallets, railroad ties, telephone poles, sawmill waste, stubborn chunk wood, chip mill and paper mill waste, ag waste such as hay and straw, shingles, plastics, and more!

The Beast has continually evolved since entering the waste reduction market in 1995. These machines are industry proven when it comes to efficiency, durability, and the quality end-product created from the patented cuttermill.

In 2015, more than 30 enhancements increased production by as much as 50 percent in most applications. In 2016, new chipping head options can convert The Beast into a high production chipper, producing chips from ¼" to 2" in length. It's no wonder that The Beast remains the horizontal grinder of choice for more municipalities, tree services, land clearing contractors, logging companies, recycling centers, and mill operations around the world.

FOR DETAILED INFORMATION ON ANY MODEL, PLEASE CONTACT BANDIT INDUSTRIES OR YOUR LOCAL BANDIT DEALER.



WHO USES THE BEAST®

IT'S NO SECRET THAT THE BEAST'S CLAIM TO FAME is producing top-dollar, high-quality products. These machines are in demand in 56 countries, serving mulch and biomass needs by processing everything from switch grass to brush, trees and wood chips. The Beast is also used to recycle a number of difficult-to-process materials like chunk wood, plastic pipe, roofing shingles, storm damage debris, and construction residue.



MUNICIPALITIES LARGE & SMALL

use The Beast to turn urban wood residue into compost and fertilizer for city and citizen use. When severe storms or diseased trees affect a city, The Beast becomes an integral part of the recovery operation.



BIOMASS PRODUCERS

use The Beast to produce a wide range of high-quality, screened ground material and wood chips for virtually any fuel wood market, including direct-fire boilers, co-fire boilers with coal, and micro chips for wood pellet production.

RECYCLING YARDS

use The Beast to process everything from wooden pallets to roofing shingles, plastic and construction debris.

SAWMILLS AND CHIP MILLS

use The Beast to process bark, slabs, edgings and other sawmill waste. Often times these mills opt for a stationary electric version of The Beast, utilizing WEG motors with up to 1,000 horsepower for highly efficient processing power. Stationary electric units produce landscape mulch, process ground Ag residues, grasses and chips for biomass applications.



LOGGING COMPANIES

use The Beast to process tree tops and logging slash on-site. Equipped with chipper knives, they can produce a quality chip for fuel wood markets, or they can simply create a mulch product for a variety of uses.



LAND CLEARING CONTRACTORS

use The Beast to process all clearing materials on-site, often opting for a self-propelled track undercarriage to follow the clearing crews through rugged terrain. This eliminates the need to skid material to the machine, significantly increasing productivity.



TREE SERVICES LARGE & SMALL

use The Beast to process brush, stumps and stubborn chunk wood that traditional chippers couldn't handle. They also process chips that often have to be dumped at a cost, creating valuable mulch or fuel wood products in the process.

SERVE MULTIPLE MARKETS WITH ONE MACHINE.

A MULCH PRODUCING MACHINE

The Beast® is best known for turning green waste, sawmill, pallet and logging residues into mulch, and it absolutely dominates all other machines in these markets. The patented cuttermill cuts, splits and chips material apart, creating a more uniform, higher value mulch product. A range of tooth and screen options allow companies to make different types of mulch for different markets, whether performing multiple grinds or producing a top-quality mulch in a single pass.



- Animal bedding
- Ground mulch often used in playgrounds
- Colored mulch for specialty landscaping projects
- Municipal mulch for gardens and general landscaping
- High-quality finish mulch for specific landscaping needs and for resale



FROM ROOF TO ROAD – THE BEAST IS BEST AT SHINGLE RECYCLING.

Shingle grinding is a lucrative, fast growing market. From 2009-2014, Reclaimed Asphalt Shingles usage increased 180% across the United States, and The Beast is leading the way in both production and product quality. It can easily reduce shingles to the industry-standard 100% 3/8" end-product, and achieve 90% at 1/4" end product.

- The Beast patented cuttermill breaks down material quicker, producing less heat
- Less water is required throughout the grinding process, creating a better end-product
- Dedicated shingle grinding packages increase durability as well as overall production



THE BENEFITS OF CHIPPING WITH THE BEAST.

Transform The Beast into a powerful whole tree chipper with knife cutterbodies on the standard cuttermill, or choose a dedicated chipper drum. Knife cutterbodies can produce a standard 3/4-inch chip or a fine sawdust-type micro chip for pellet production. Switching to a chipper drum allows The Beast to produce a variety of chip sizes from 3/8" to large 2" chips.

- Produce a screened product for direct-fired power plants, pellet mills, pulp mills, charcoal plants, and for metallurgical applications.
- Process a wider range of difficult material that whole tree chippers normally struggle with, such as bundles of slabs, chunk wood, and large diameter trees.
- Large mill openings on The Beast can accommodate large quantities of material at one time, significantly increasing production. Many customers chipping with The Beast quickly discover the biggest challenge is simply keeping the machine fed.



Chipping Drum for The Beast® Horizontal Grinders

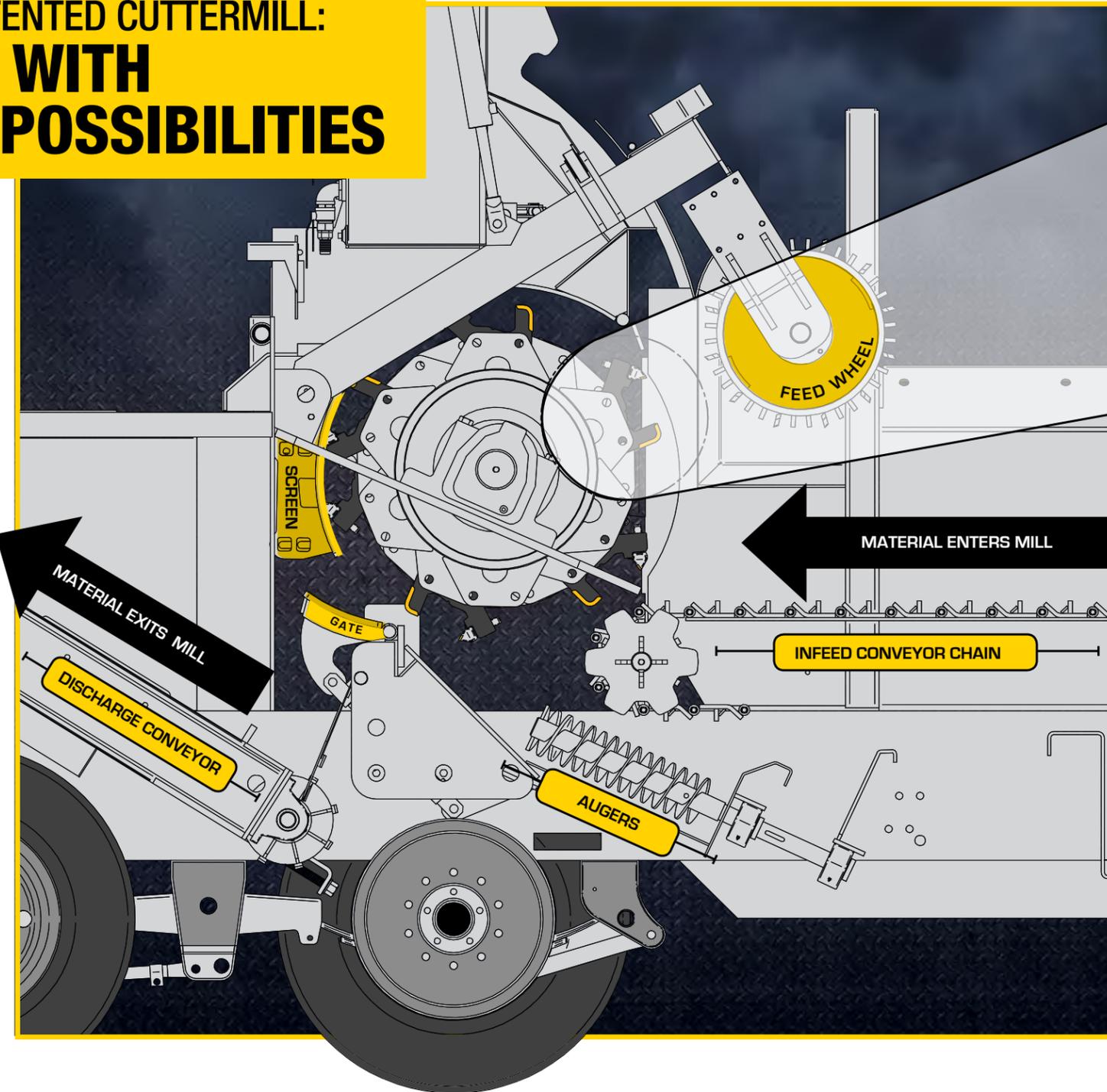


THE BEAST® PATENTED CUTTERMILL: ONE MILL WITH ENDLESS POSSIBILITIES



SMOOTH CUTTING & SPLITTING

The key to The Beast's success is its unique cuttermill. Using a spiral pattern with a series of teeth, cutterbodies and rakers, the cuttermill processes material using a cutting / splitting action versus other recyclers that attempt to bash material through hammering and grinding. The difference is best explained like this: it's far easier to cut down a tree with an ax than a sledgehammer.

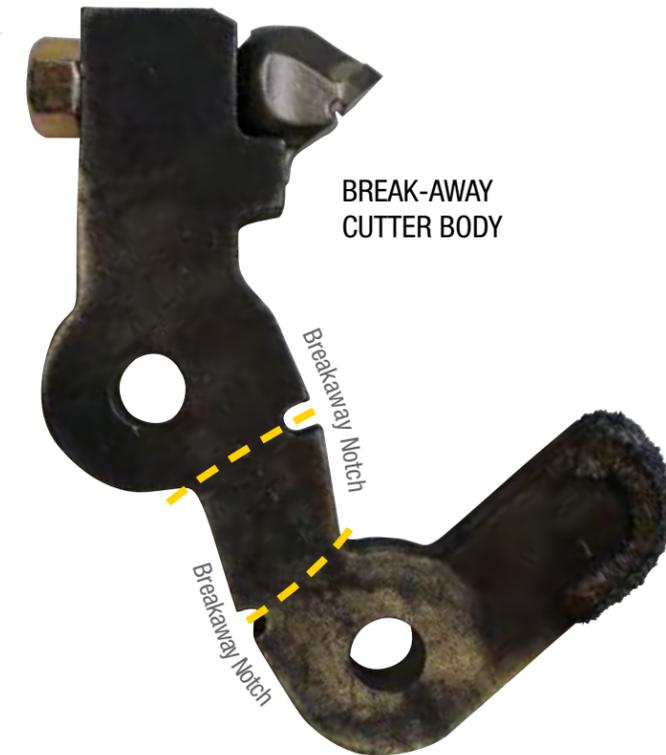


DURABLE DESIGN FOR PROTECTION AGAINST UNGRINDABLES.

The Beast cuttermill is hand-assembled by specialists, utilizing extensive reinforcement and over 40 hours of welding. Break-away tooth holders shaped like a saw-tooth bend and break when encountering ungrindable contaminants such as steel and rocks. These easily-replaceable components protect the cuttermill, while also regulating the size of the cut made by the teeth. For additional protection, the hydraulically controlled drop gate has sensors which can detect unusual pressure often associated with ungrindables, automatically opening the gate to help clear out the debris.

DOWN-TURN CUTTERMILL WORKS WITH THE FLOW OF MATERIAL AND GRAVITY, NOT AGAINST IT.

The mill in most rival horizontal grinders turns in an upward direction. The cuttermill in The Beast turns in a downward direction to work with the flow of material and gravity. The downward cutting action is more aggressive and much less likely to discharge material back through the infeed. The rotation of the mill pulls material in, working with the feed system to provide better control of material into the machine. Material is less likely to turn or roll, and it's cut-to-size better on the first pass with fewer hang-ups. Machine wear-and-tear is also reduced since the mill does not grind against the feed wheel.



CHIP AWAY AT THE COMPETITION WHEN IT'S BEST TO CHIP.

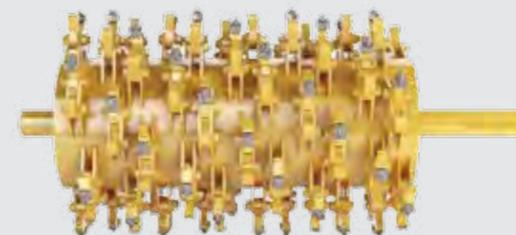
Chipper knives are available for the standard cuttermill that conveniently bolt onto knife cutterbodies. These cutterbodies can also hold standard Beast teeth for easy switching between chipping and mulching. Two dedicated chipping drums are available in lieu of the standard cuttermill for companies primarily chipping with The Beast, turning this versatile machine into a high-capacity chipper capable of producing screened chips from large diameter material.

30-TOOTH OR 60-TOOTH CUTTERMILLS AVAILABLE.

The standard cuttermill features a 60-tooth setup in a spiral design. A 30-tooth mill is available and recommended for most green waste applications, especially when processing stringy materials. To accommodate faster processing capabilities of the 30-tooth mill, cuttermill and infeed speeds are increased.



The Beast® 30-Tooth Cuttermill (Above)
The Beast® 60-Tooth Cuttermill (Below)



THE BEAST® INFEED & DISCHARGE SYSTEMS WILL REALLY MOVE YOU.



20-Knife Drum Setup on The Beast®

INFEED CHAIN THAT'S ALSO A TRAVELING ANVIL.

The solid, track-type infeed conveyor on The Beast effectively grabs and carries material for processing. This design keeps material on top of the conveyor while the drag chain conveyors on rival horizontal grinders allow material to fall through the links and bind up the system.

The infeed conveyor also serves as a traveling anvil, eliminating hang ups that often occur in other horizontal grinders from the gap between the conveyor and anvil.

The Beast horizontal grinders equipped with the chipping head option feature a replaceable anvil.



AUGERS CATCH MATERIAL THAT WOULD FALL UNDER THE MACHINE.

10 slow moving augers beneath the front of the infeed chain capture material that falls off the conveyor, preventing it from traveling backward under the infeed and pushes it into the mill housing for processing.

The augers are easy to service and maintain with convenient access and simple removal/installation when necessary.



8-Knife Drum Setup on The Beast®

MULTIPLE INFEED SPEEDS TO CREATE SPECIFIC END-PRODUCTS.

The rate at which material enters the cuttermill can help determine the size and quality of the end-product. The Beast features a 6-speed conveyor drive with the ability to select a specific feed rate up to 60 feet per minute. An optional proportional drive system is also available with infinitely variable feed speeds, adjusting the feed rate to engine load for uninterrupted processing.



Biomass Microchips



Cedar Mulch



Ground Grasses



Shingle Recycling



Plastic Recycling



Compost



MULTI-SPEED DISCHARGE CONVEYORS TO MOVE THE PRODUCT OUT QUICK.

The high production of the cuttermill on The Beast requires serious discharge capacity. The wide, two-speed discharge conveyor ensures the discharge capacity is greater than the cuttermill's production capacity. Height and side-to-side adjustable discharge systems are available to help get the product where you need it. A magnetic head pulley removes metal from the processed material; an optional overband magnet provides additional metal separation capability. Add-on features such as discharge funnels and chip throwers further keep material focused and contained, whether building large piles or loading end-opening trailers.

THE BEAST® EXPERIENCE IS
BETTER THAN EVER.

XP SERIES:

Xtra Power – Xtra Production
Xtra Performance – Xtra Profit

**IS WHAT MAKES THE
XP SERIES SO SPECIAL**



“Our customers are facing new challenges every day, so we are constantly working to develop and implement the changes they need to stay competitive and profitable.”

– Bandit Industries President Jerry Morey

RELEASED IN 2013, THE BEAST XP SERIES

includes over 40 enhancements throughout The Beast lineup.

In 2015 additional improvements included increasing the screening area by 23%. These improvements have increased productivity by 50% in most applications, reduced and simplified maintenance procedures, added new functionality and opened The Beast up to new markets.



THESE ARE JUST SOME OF THE XP ENHANCEMENTS AVAILABLE.

INFEED

- Larger infeed drive chain
- Rail systems in lieu of roller systems for better infeed chain operation
- Six-speed infeed drive with speed adjustments from 20 feet per minute to 60 feet per minute for increased production
- Proportional drive infeed option; automatically matches infeed speed to maintain engine RPM
- One-piece feed wheel stub shaft for extra strength and easier replacement
- XL feed wheel option for better control of material

DISCHARGE

- Two-stage discharge conveyor with faster discharge speed to accommodate increased production

MILL HOUSING/GRINDING AREA

- Replaceable wear plates standard on wear side of the grinding chamber
- Chamber hood eliminated for increased production
- Redesigned augers and trap door for significantly easier cleaning / auger replacement
- Auger pressure sensor detects stalled augers and automatically reverses them
- Increased overall screening area by 23 percent; gate equipped with new screens
- 30-tooth cuttermill option, specializing in green waste production

CHIPPER HEAD OPTIONS

- 8-knife chipping drum for producing 5/8” - 2” chips that meet European G-30, G-50 and G-100 chip specs
- 20-knife chipping drum for producing 1/4” - 1” micro chips for pellets, fuel chips and pulp/paper chips
- Chipping drums include replaceable/adjustable anvil

FUEL TANKS

- Track units utilize redesigned tanks for better pickup in steep terrain conditions
- Vents relocated to minimize leaking



WEAR PARTS

- A new brazing process for improved durability of teeth
- Redesigned knife cutterbodies allow standard teeth to be used with knives for easy switching from chipping to grinding
- Rakers are improved for added strength and durability

See our complete line of replaceable components in The Beast® Wear Parts catalog.

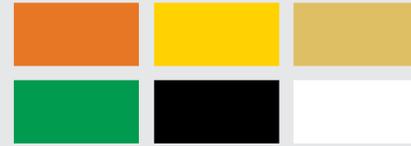


BUILT WITH CUSTOMERS IN MIND.

Bandit works with customers to build the specific machines they need. Many improvements come directly from customer feedback.

**IF YOU CAN DREAM IT,
BANDIT CAN BUILD IT.**

POPULAR OPTIONS: FEATURES FOR THE BEAST® REDUCTION MACHINE - MADE TO ORDER.



MATCH YOUR FLEET!
Six custom colors available at no additional cost.



THROWER ATTACHMENT

Load open end trailers or broadcast material across a wide area with the thrower attachment that mounts to the end of the discharge conveyor.



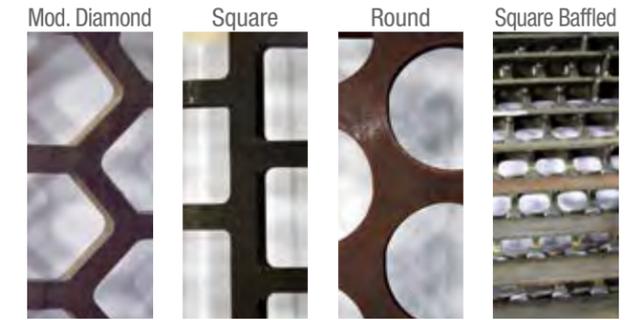
RADIO REMOTE

Control all functions with a radio remote from the comfort of the loader feeding the machine.



30-FOOT DISCHARGE

Available on every model, the 30-foot folding discharge lets you reach new heights for creating massive mulch piles for composting.



SCREEN OPTIONS

Choose from dozens of specialty tooth designs and screen sizes to create the perfect end-product. Experiment on your own, or use one of the many Bandit-recommended Beast setups to get up and running with the ideal product right away.



SCREEN CHANGING ARM

The Beast Screen Changing Arm assists the operator in quickly and easily changing and installing the screens, reducing the effort and time needed to change screens.

LIQUID COLORIZER

Evenly coat mulch and chips with pigment, producing a valuable and beautiful end product. The pumping system for the coloring unit can be mounted to the frame of The Beast, or it can be mounted on its own platform.



AUTO-WALK

Powers the 1680XP, 2680XP, and 3680XP, enabling it to be moved along a windrow or a yard, eliminating the need for a towing vehicle.

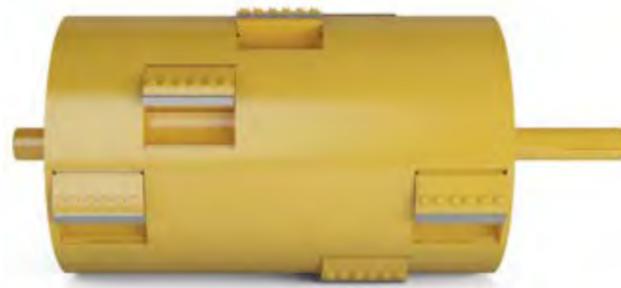
PROPORTIONAL FEED SYSTEM

The Proportional Feed system is synched with engine RPM, automatically decreasing or increasing feed speed to maintain engine speed. The system can be easily disengaged to resume normal feeding with the standard reversing auto feed system.



ELECTRIC MOTORS

For stationary grinding applications, The Beast® electric is a cost-effective alternative to diesel fuel. The Beast electric uses heavy-duty, industry proven WEG motors equipped with soft-starts to reduce the incidence of line-voltage drop. No special foundation is required; just roll The Beast in, set up, and start grinding.



DEDICATED CHIPPING DRUMS

Designed for users primarily chipping with The Beast, chipping drums can replace the standard cuttermill. Available as an 8-knife or 20-knife drum, this option effectively turns The Beast into a large, screened chipper. The cuttermill can be included with the machine to swap between chipping and mulching.



SHINGLE GRINDING PACKAGE

The shingle grinding package for The Beast recyclers includes a Wear Max gate with Wear Max screens, infeed chain bushing guides, treated screening grate, dust suppression system, wrecker-style cutterbodies and more to reduce wear and lower maintenance costs.

SELF-PROPELLED TRACK UNDERCARRIAGES

Every model can be equipped with a rugged CAT steel track undercarriage. This is a must-have option for land clearing applications, and is a very popular option for working in recycling yards and landings.



CAT TRACKS ARE POWERFUL AND OFFER **UNBEATABLE PERFORMANCE,** WITH SERVICE AVAILABLE FROM DEALERS AROUND THE WORLD.



MACHINE SPECIFICATIONS

Model	CAPACITY:	OPENING: (HEIGHT x WIDTH)	ENGINE MIN./MAX.:	LENGTH x WIDTH x HEIGHT:	WEIGHT:	UNDERCARRIAGE:	FUEL TANK:	HYD. TANK:
Model 1680XP								
TRAILER UNIT	18" diameter	18" x 52"	300 - 350 HP	36' 4" x 8' 2" x 12' 5"	25,000 LBS.	(8) TIRES, (2) 12,000 LB. AXLES	70 GALLONS	80 GALLONS
TRACK UNIT	18" diameter	18" x 52"	300 - 350 HP	30' x 8' 2" x 12' 5"	29,500 LBS.	CAT 312B STEEL TRACK	70 GALLONS	80 GALLONS
Model 2680XP								
TRAILER UNIT	24" diameter	24" or 35" x 60"	440 - 800 HP	38' 4" x 8' 6" x 13' 6"	49,000 LBS.	(4) TIRES, (2) 25,000 LB. AXLES	250 GALLONS	140 GALLONS
TRACK UNIT	24" diameter	24" or 35" x 60"	440 - 540 HP	33' 2" x 9' 9" x 12' 5"	61,000 LBS.	CAT 320EL STEEL TRACK	250 GALLONS	140 GALLONS
Model 3680XP								
TRAILER UNIT	35" diameter	35" x 60"	540 - 800 HP	39' 10" x 9' 6" x 13' 6"	59,000 LBS.	(6) TIRES, (3) 25,000 LB. AXLES	500 GALLONS	145 GALLONS
TRACK UNIT	35" diameter	35" x 60"	540 - 1,050 HP	35' 7" x 11' 6" x 12' 5"	75,000 LBS.	CAT 325EL STEEL TRACK	300 GALLONS	140 GALLONS
Model 4680XP								
TRAILER UNIT	45" diameter	45" x 60"	800 - 1,200 HP	46' x 11' 6" x 13' 6"	92,000 LBS.	(16) TIRES, (4) 25,000 LB. AXLES	500 GALLONS	200 GALLONS
TRACK UNIT	45" diameter	45" x 60"	800 - 1,200 HP	36' x 11' 6" x 12' 6"	98,500 LBS.	CAT 325EL STEEL TRACK	500 GALLONS	200 GALLONS

Individual flyers that provide more detailed information on each model are available upon request or from our website.

All specifications, dimensions, standards and options are subject to change without notice. Dimensions and weights may vary, depending on options and engines selected. Bandit Industries, Inc. reserves the right to change designs, specifications and options without prior notice. All figures shown in technical data were current at the time of printing. However, these can change as a result of further product development and regional distribution differences. Please contact your authorized Bandit dealer or Bandit Industries, Inc. for more information. Made in the USA. Printed in the USA. © 2016 Bandit Industries, Inc. All Rights Reserved.