

BANDIT BEAST 3680 TRACK

- [Feature & Benefits](#)

- [Specifications](#)

Length: 31' 10"

Width: 11' 6"

Height: 11' 4"

Weight: 75,000 lbs.

Mill Opening: 35"h x 60"w

Diesel Engine Options: 630 HP - 800 HP

Electric Motor Options: N/A

Mill Size: 42" dia. x 63"w

Feed Wheel: 24" dia. x 60"w

Model 3680 Track – Self-Propelled Beast Recyclers / Horizontal Grinders

The Model 3680 Beast Recycler is our most popular waste reduction unit. It has successfully been put into a multitude of applications producing salable products and exceeds other grinders in its class with noted production numbers of over 500 yards or more per hour. Now add mobility in the form of a steel-tracked undercarriage and think of the possibilities without the time consumed in skidding and forwarding materials. Biomass and bioenergy industries have found a perfect fit for this unit because of its ability to transform woody materials into specifically sized end products for pellet plants, paper plants, wood-fired boilers, and re-engineered wood products such as pressed board. Recycling yards and landfills chose the Model 3680 family as a solution for creating recycled products out of piled brush, whole trees, stumps, pallets, land clearing waste, palm

fronds, logging slash, sawmill waste, construction waste, housing demolition, railroad ties, shingles, and asphalt. It features a 35" diameter capacity with its 35" x 60" mill opening and engine options ranging from 630 to 800 horsepower.

The self-propelled Model 3680 Track is equipped with the patented Bandit cutter mill, which has proven to provide the most efficient means of breaking down a wide variety of materials. With a Bandit cutter mill you have the option of cutting, splitting, grinding and chipping with the opportunity to mix and match cutting devices to allow for the production of uniform material with varying sizes. The cutter mill turns downward, which not only helps to pull material into the mill but also allows it to be positioned for a decisive splitting action similar to an axe rather than a more violent, intensive, and less effective hammering action found on other grinding platforms. The result is less vibration, less fuel consumption, and more structural integrity when compared to machines that carry more weight and horsepower.

The Model 3680 Track features a 60-tooth setup on its cutter mill, allowing it to process a wide array of materials with ease with its 48" diameter by 63" wide dimensions. Different combinations and styles of cutter bodies and teeth can be configured to control the amount of bite, assist in forwarding material through the screening system, and dial in the preferred size and consistency of the end product. A chipper knife set-up can also be equipped on the Model 3680 Track, allowing it to produce a dimensional, screened chip that can be used for fuel and other applications demanding a consistent, high-quality, precisely-sized chip.

A three-speed 20-foot long by 60" wide double slat design track-type infeed conveyor bed chain serves material to the cutter mill from 18 to 43 feet per minute on the Model 3680 Track, where it is met by a 24" diameter x 60" wide internally driven floating top feed wheel in an arrangement that is easy to feed. The cutting action is performed against the infeed chain which eliminates the need for an anvil, thus there is not a gap that is created between the chain and an anvil for materials to collect and wedge. Component weight is distributed and supported on a sturdy frame constructed from 1/4" thick steel with 20" deep formed high tensile steel plating and cross-section bracing using continuous welds for structural integrity as opposed to bolt-together techniques. Thus, the Model 3680 Track possesses the necessary physical reinforcement to hold up for many years of service.

When it comes to determine how you want your material delivered, the Model 3680 Track offers plenty of choices when it comes to discharge options. The standard folding discharge

conveyor is 30' long x 4' wide, two-speed at either 280 or 480 feet per minute, includes a magnetic head pulley for retrieving metal fragments or nails out of the flow of ground product, and has an approximate stacking height of 17'-6". For broadcasting chips over a site or loading end-opening chip vans, you can opt for an 18' long discharge with a hydraulic thrower. This device is mounted at the end of the conveyor and will swing 25 degrees side-to-side (50 degrees total), 34 degrees up, and 12 degrees down to give you directional control of placing your chips. Furthermore, you can opt out of the standard discharge and/or thrower and select an innovative swinging / pivoting discharge system that is controlled by radio remote control that features both a primary and secondary discharge. The secondary discharge pivots side-to-side 45 degrees with a maximum discharge height of 17'-6". This total folding discharge system can extend to 30' in length and also includes the magnetic head pulley.

Controlling your mobile Model 3680 Track is easy with a user-friendly radio remote control. The remote, along with tether remote back-up and 50' of cord, controls the yoke, infeed conveyor, discharge conveyor, engine throttle, and track functions from a comfortable distance.

The Model 3680 Track is designed to travel over rough and uneven terrain virtually impossible for other grinders to traverse. Caterpillar 325L and 325EL steel-tracked undercarriage gives this unit stability and durability for those tough grinding applications. Many options are available when it comes to selecting track pad widths and either single, double, or triple grouser configurations.

Customize your self-propelled Model 3680 Track to the fullest with many productivity enhancing options. For sizing material, select from a variety of square, rounded, baffled, or diamond screens ranging from 5/8" to 7" in diameter and gates up to 5" in diameter. Other add-ons worth considering are a larger 29-1/2" diameter x 60" wide top feed wheel, a feed speed drive package to accompany the radio remote, engine pre-cleaner, reversing fan options, work lights, a fold-down infeed tray, magnetic head pulley, and more. A full palette of standard and custom paint colors give you the freedom to choose the look of your brand or company.

Versatility is defined by the Model 3680 Track. The unit can be configured specifically for shingle grinding with technology that allows a hot mix asphalt supplement to be produced in one-pass during any season at a rate of 100 tons per hour. For wood materials, a knife

configuration on the cutter mill can essentially convert your Beast into a whole tree chipper for producing valuable products for energy industries. These are just a few of the real-world applications where you can find a Model 3680 Track working daily and maneuvering around the landscape as an integral part of business.

The self-propelled Model 3680 Track, as with all Bandit Beast Recyclers, is designed and equipped with operator safety, user-friendly control, fuel efficiency, and simplified maintenance in mind. Components that are easily accessible save time on routine maintenance schedules and reduce downtime by being more serviceable out in the field. Feel free to contact a sales representative and ask about fuel savings statistics and production numbers based on your individual situation and needs. These factors, in combination with above-and-beyond factory support for your success, have proven over time that choosing a Bandit Beast Recycler is the best economical decision you can make for a long-term investment in a horizontal grinder.