



A TEREX BRAND

PRODUCT SPECIFICATION

6400SE

ELECTRIC HORIZONTAL
GRINDER & CHIPPER



WHOLE TREES • CONTAMINATED STORM DEBRIS • C&D • STUMPS • RAILROAD TIES

KEY FEATURES...

The CBI Magnum Force 6400SE Horizontal Grinder is an extreme-duty machine engineered for resilience and high production when grinding contaminated demolition debris, railroad ties, whole trees, pallets, storm debris, shingles, logs, mulch, slash, and stumps. Built from a fully welded and line bored hog box, this yellow monster thrives more than any other horizontal grinder when processing high amounts of tough material.

The revolutionary new “cassette style” rotor design allows end-users to completely swap out rotors faster than any other grinder in its class. Go from grinding to chipping in half the time as before, and know you can accept jobs with various material demands. Four interchangeable rotors give this horizontal grinder the flexibility needed to stay on top of changing markets. When it comes to versatility, this machine is equal to four of the competition’s.

Enhancing the 6400’s industry leading design, this horizontal grinder can support up to a 1,000hp motor package by relying on the larger, more durable, shaft and bearings assembly. This design comes standard and is great for end-users that find themselves in a repower situation as their business matures and more production is necessary. The design of the CBI offset helix rotor minimizes energy loss from each strike and distributes material evenly across the rotor, efficiently out-producing the competition.

The IQAN control system on the 6400SE mimics the set-up on all CBI tracked units, providing a seamless transition if you’re already a CBI diesel equipment owner. The new and improved user interface allows operators to adjust and save multiple groups of feed speeds, pressures, and automated control systems to guarantee the most efficient performance across a wide range of materials. A brand new feature called T-link (Terex Telematics System) comes standard on all of our machines. This telematics system allows owners to remotely monitor detailed reports of operating data, machine status, alarms, and other key metrics. This system provides the customer with a customizable online dashboard which displays a full range of data and can also be configured to send email and text notifications when certain events occur. This technology will continue to expand, giving our customers a best-in-class experience with service and parts.

The hydraulic filter rack is strategically located to be fully accessible at ground level, with a sloped design to help shed materials which build up in the field. All of the valve decks have guarding for protecting components from accidental strikes. To top it off, we’ve moved the hydraulic tank higher on the unit and increased capacity to ease strain on the pumps. Speed sensors have been added to the feed system for a more continuous and efficient pace of material processing, especially when using CBI IntelliGrind.

Supported 24/7 by a dashboard of updated reports, technical phone support, and CBI’s Field Service Engineers, there’s no guesswork when it comes to keeping this machine operating at top performance. All together, no other horizontal grinder in its weight class meets the production rates or low cost of ownership like the CBI Magnum Force 6400SE.

Four interchangeable rotors. Next-generation versatility.

The grinding chamber rises, allowing full access to the rotor and hog box internals for ease of maintenance. The service area has been expanded to provide an open, safe, and ergonomic work environment for service techs.

60” wide cleated discharge belt provides unrestricted discharge of ground product.

CASSETTE-STYLE ROTOR CHANGE



Adapt to changing demand patterns in real-time by swapping to a new rotor. Go from grinding to chipping in half the time.

Crusher-duty electric motor configurations from 600hp to 1000hp.

Ready to accept optional discharge magnetic head pulley and/or overband magnet.

Increased hydraulic tank capacity.

Four interchangeable rotors



Segmented Drum

Twenty 6”x 8” striker plates held in place by two 1-1/4” bolts, designed for contaminated demolition debris, railroad ties and MSW.



Forged Drum

3” thick rotor with twenty-four weld on Replace-A-Face™ hammers with reversible tips for forestry debris and mulch.



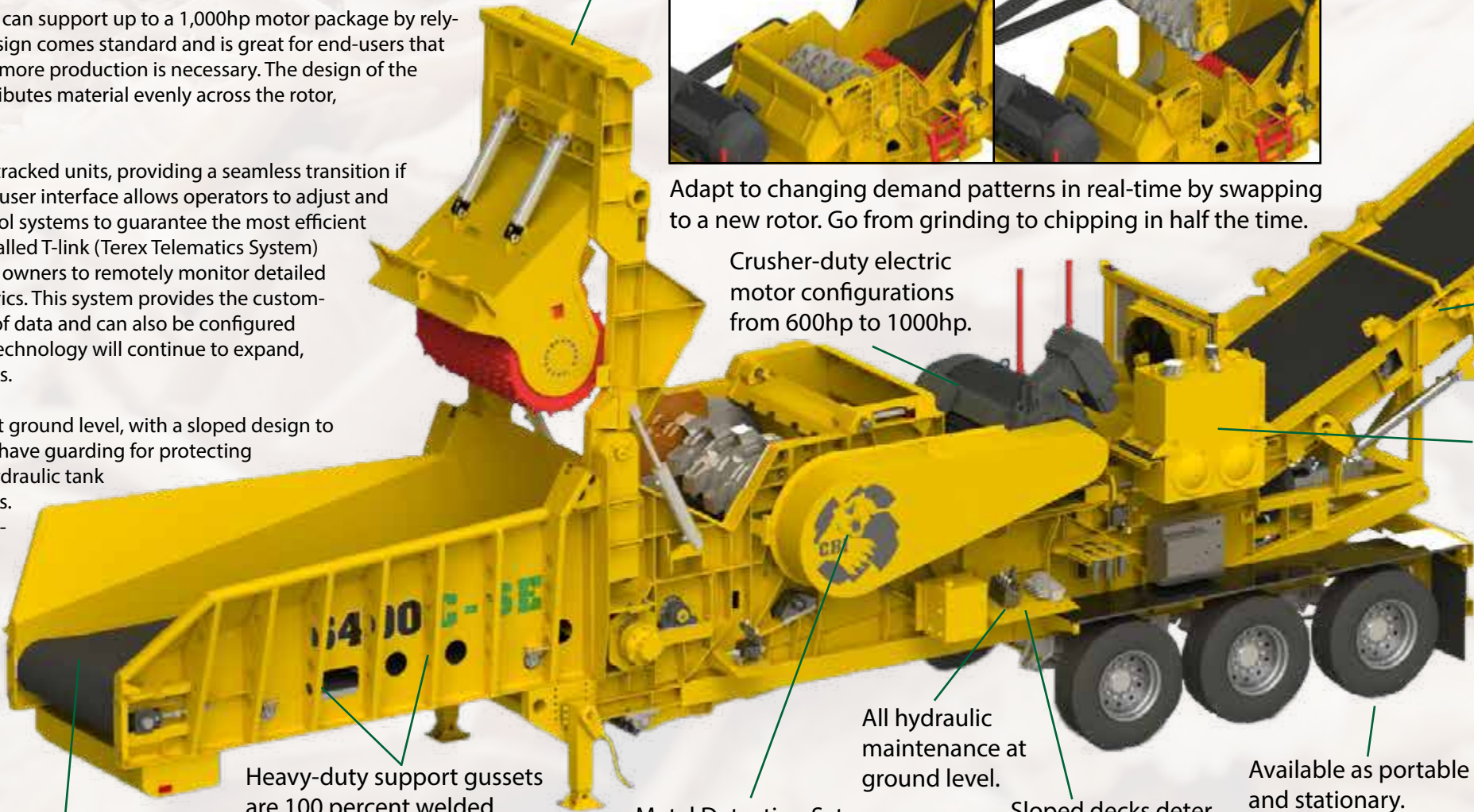
2-Pocket Chipper

Two rows of knives for average chip lengths of 3/4” to 1-1/4” to produce fuel chips from stem wood.



4-Pocket Chipper

Four rows of knives for short chip lengths of 1/8” to 1/2” to produce short chips from stem wood suitable for pelletizing or pulverized fuel.



60” wide by 15’ long infeed conveyor.

Heavy-duty support gussets are 100 percent welded.

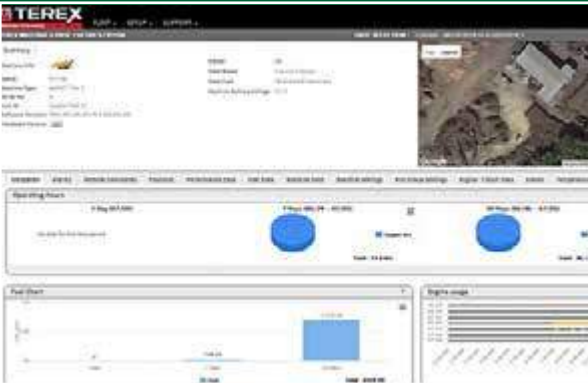
Metal Detection Sytem (MDS) protects machine from tramp metal.

All hydraulic maintenance at ground level.

Sloped decks deter debris accumulation (guards hidden).

Available as portable and stationary.

T-Link Telematics Dashboards



Demolition grinding setup



Segmented drum rotor with brute package has twenty striker plates held in place by two 1-1/4” bolts, designed for contaminated demolition debris, railroad ties, and MSW. Striker plates, edged with aggressive carbide, pulverize material and outlast with impressive durability, saving time and money.

Striker plates pictured to the right.

Striker plates



Solid steel, segmented 40”x 60” rotor



Metal Detection System (MDS)

A problem for any industrial grinder has to do with tramp metal entering the hog box and causing significant damage, which leads to downtime. The Metal Detection System™ (MDS) engages within milliseconds whenever the grinder's rotor makes contact with tramp metal. The rotor is monitored by an adjustable electronic sensor to alert the control system when tramp metal is detected. The MDS will automatically lower the engine RPM, raise the top feed roller and reverse the infeed to allow the operator to find the tramp metal. The MDS system's sensitivity can be adjusted up and down for the application, and can be precise enough to detect a bag of bolts. Pictured to the right is a CBI grinder up and running just minutes after the MDS system picked up a trailer hitch. They didn't even break a tooth.



TRANSPORT DIMENSIONS

Width: 9'-5" (2.8 m)
Height: 12'-6" (3.8 m)
Length: 43'-9" (13.3 m)
Weight: 85,000 lbs. (approx.)

DISCHARGE CONVEYOR

Width: 60" (1.5 m)
Length: 37' (11.2 m)
Height: 16'-7" (5 m)
Discharge belt has optional magnetic head pulley and chute

INFEED

Width: 60" (1.5 m)
Height: 6'-11" (2.1 m)
Conveyor: 15'-0" (4.5 m), heavy-duty belting

MOTOR

600hp - 1000hp crusher-duty motor configuration

FAN

Reversing direction hydraulic cooler that reverses airflow automatically to purge debris

CONTROLS

Parker IQAN™
Remote control operated

HYDRAULICS

Hydrostatic
Hydraulic capacity: 110 gallons (416L)

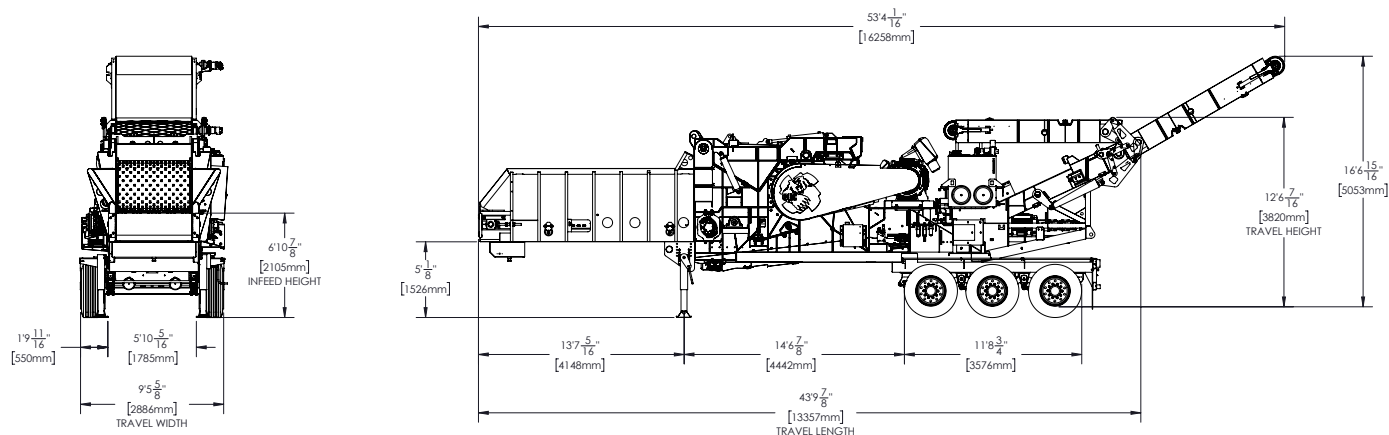
EQUIPMENT PROTECTION

Metal Detection System™ (MDS)
Shear pins

HAMMERMILL

Rotor: Segmented/Drum - 40" D by 60" W or optional chipper package
Shaft: 8" major diameter

Specification subject to change without notice.



CONTINENTAL BIOMASS INDUSTRIES

World's best stationary and portable material recovery systems.

22 Whittier Street, Newton, NH, 03858
Phone: (603) 382-0556 Fax: (603) 382-0557
Web: www.terex.com/cbi Email: info@cbi-inc.com

Distributed by: