



A TEREX BRAND

PRODUCT SPECIFICATION

# 6400CT

HORIZONTAL GRINDER/  
CHIPPER



WHOLE TREES • STORM DEBRIS • SLASH • STUMPS • REGRIND



# KEY FEATURES...

www.terex.com/cbi

The CBI Magnum Force 6400C 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" clam shell 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 versatility needed to stay on top of changing markets.

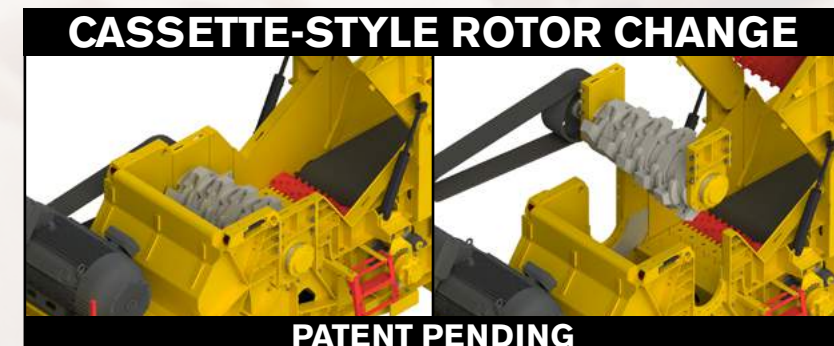
Enhancing the 6400T's industry leading design, this horizontal grinder supports either a CAT C27 1050hp T4 engine or CAT C32 1200hp T4 engine by relying on the larger, more durable, shaft and bearings assembly. The design of the CBI offset helix rotor minimizes energy loss from each strike and distributes material evenly across the rotor, efficiently out producing the competition.

The 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 grinders. T-Link 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. T-Link 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 stainless steel guarding to protect the unit while tracking through overgrown areas. 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 grinding, especially when using CBI IntelliGrind. Access to the outer face of the outside hammers is now as simple as opening the hog box. The upper profile change of the box leaves the hammer fully exposed for maintenance at the "crotch" of where the top feed roll arm rests.

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 combines to meet the versatility, production rates, or low cost of ownership like the CBI Magnum Force 6400C.

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.

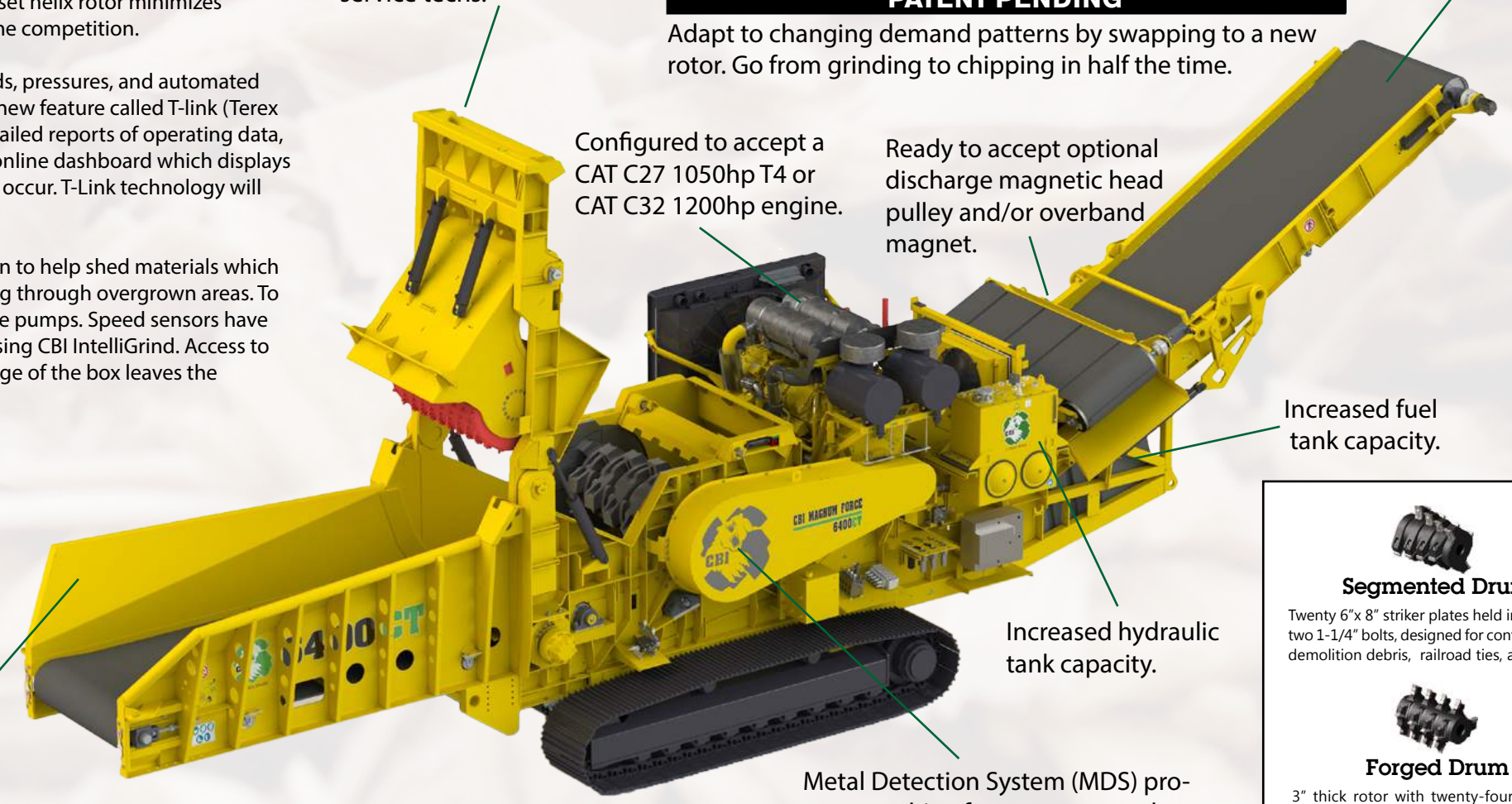


60" wide cleated discharge belt for an unrestricted flow of ground product.

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



60" wide by 15' long infeed. Side walls wing outwards to funnel material, reduce spillage, and allow more feeding clearance.



Configured to accept a CAT C27 1050hp T4 or CAT C32 1200hp engine.

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

Increased fuel tank capacity.

Increased hydraulic tank capacity.

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

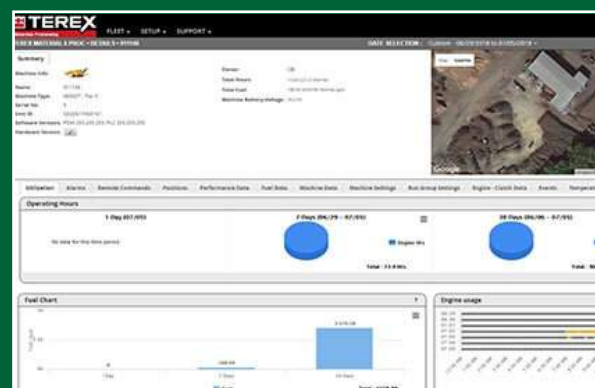
**Segmented Drum**  
Twenty 6" x 8" striker plates held in place by two 1-1/4" bolts, designed for contaminated demolition debris, railroad ties, and MSW.

**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.

## 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.



Specification subject to change without notice.

## TRANSPORT DIMENSIONS

Width: 10'-9.5" (3.28 m)  
 Height: 12'-0" (3.65 m)  
 Length: 43'-9" (13.33 m)  
 Weight: 90,000lbs - 104,000lbs

## 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

## ENGINE/DRIVE

Caterpillar C27; 1,050hp (787 kW) or CAT C32; 1200hp (894 kW)  
 Fuel capacity 450 gallons (1,703 L)  
 PT Tech HPTO15 clutch  
 12 groove, 8-V section Arimid belt

## HYDRAULICS

Hydrostatic  
 Hydraulic capacity 95 gallons (359 L)

## EQUIPMENT PROTECTION

Metal Detection System™ (MDS)

## CONTROLS

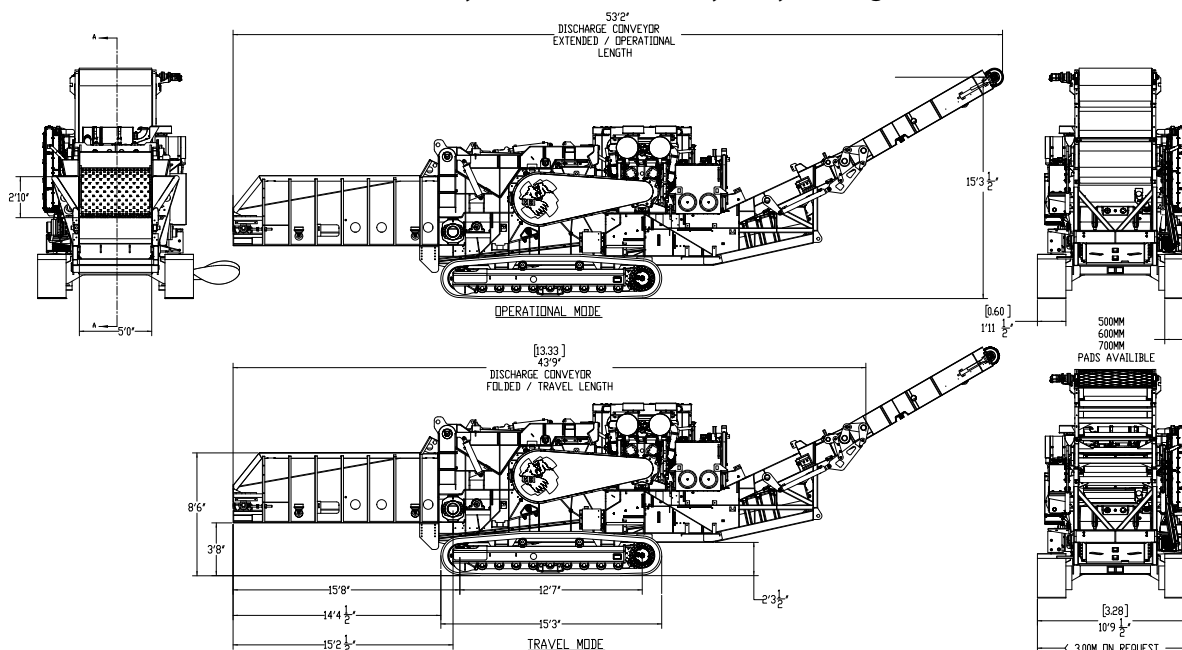
Parker IQAN™  
 Remote control operated

## HAMMERMILL

Diameter: 40" (1 m)  
 Width: 60" (1.5 m)  
 Shaft: 6" (0.15 m)  
 Top Feed Roll: 40" diameter x 60"

## INFEED

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



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