

GRINDER

TBG 650



CBI LEGACY PRODUCTS

CBI joins TEE's Ecotec product line as a leader in converting biomass and waste materials to usable high value alternative fuel, compost, mulch and other products. Since 1988, the CBI name has become synonymous with performance and reliability in a broad range of grinding and chipping applications the world over.



HIGH RELIABILITY & THROUGHPUT

No other horizontal wood grinder cures the headaches of load restrictions and permitting as much as the TBG 650 (CBI Magnum Force 5800BT) upswing grinder. This grinder was developed to feature the same principles of the proven TBG 680 grinder but is purpose-built for con-

tractors dealing with lower production needs or transportation restrictions. Like TEE's other grinders, the TBG 650 never compromises strength or performance.

This grinder is engineered to give land clearing companies, mulch yards, and yard waste and demolition wood

processors what they need for high-volume throughput and maximum reliability. Among its notable features are the unique clamshell opening for ease of maintenance, hydrostatic feed system and diverter pan.

If your horizontal wood grinder is expected to process pallets, mulch,

brush, yard waste or logs on a daily basis, it will make machine owners money only if it's running. At TEE, each horizontal wood grinder that we manufacture is under our control from the engineering process until it leaves our shop for your use. Each of our industrial wood grinders include the best

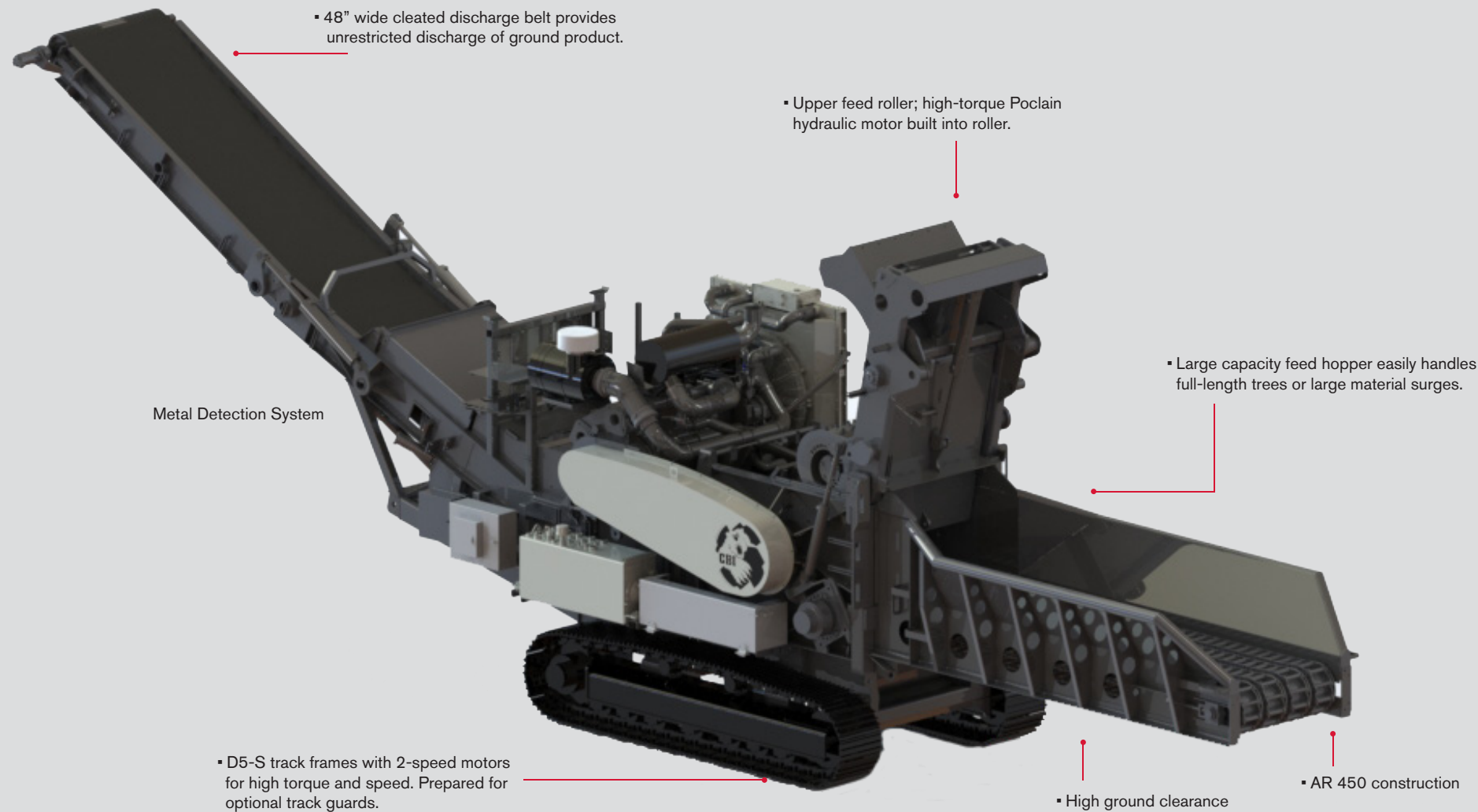
available components and the TBG 650 is no exception.

As explained in greater detail below, this industrial grinder features a Metal Detection System™ (MDS). If any metal should get through, the sacrificial tips on the strikers and shear pins on the grate frame serve as engineered-

in weak points to concentrate the damage to low-cost and accessible components.

The machine frame consists of heavy-duty formed sections with tubular cross members reinforced for the highest torsion loads and strength to accept an optional overband magnet.

Key Features



▪ 48" wide cleated discharge belt provides unrestricted discharge of ground product.

▪ Upper feed roller; high-torque Poclair hydraulic motor built into roller.

▪ Large capacity feed hopper easily handles full-length trees or large material surges.

Metal Detection System

▪ D5-S track frames with 2-speed motors for high torque and speed. Prepared for optional track guards.

▪ High ground clearance

▪ AR 450 construction



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. It will automatically stop the rotor, raise the top feed roller and reverse the infeed to allow the operator to find the tramp metal.

SPECIFICATIONS

TRANSPORT DIMENSIONS

Width: 8'-4" (2.5 m)
Height: 12'-0" (3.6 m)
Length: 38'-11" (11.8 m)
Weight: 63,000 - 69,000 lbs. (approx.)

ENGINE/DRIVE

Caterpillar C18; 765HP (570 kW)
Fuel capacity 330 gallons (1,249 L)
PT Tech PTT-552 gearbox
8 groove, 8-V section Arimid belt with guarding

DISCHARGE CONVEYOR

Width: 48" (1.2 m)
Length: 36' (10.9 m)
Height: 15'-10" (4.8 m)
Discharge belt includes magnetic head pulley and chute

FAN

Reversing pitch radiator fan that reverses airflow automatically

INFEED

Width: 48" (1.2 m)
Height: 62" (1.5 m)
Conveyor: 16'-0" (4.8 m), 4 strands heavy-duty drag chain

CONTROLS

Parker IQAN™
Remote control operated

HYDRAULICS

Hydrostatic
Hydraulic capacity 60 gallons (227 L)

HAMMERMILL

Diameter: 40" (1 m)
Width: 48" (1.2 m)
Shaft: 6" (0.15 m)
Top Feed Roll: 30" diameter x 48" wide

EQUIPMENT PROTECTION

Metal Detection System™ (MDS)

TRACKS

D5S 500 mm triple grouser

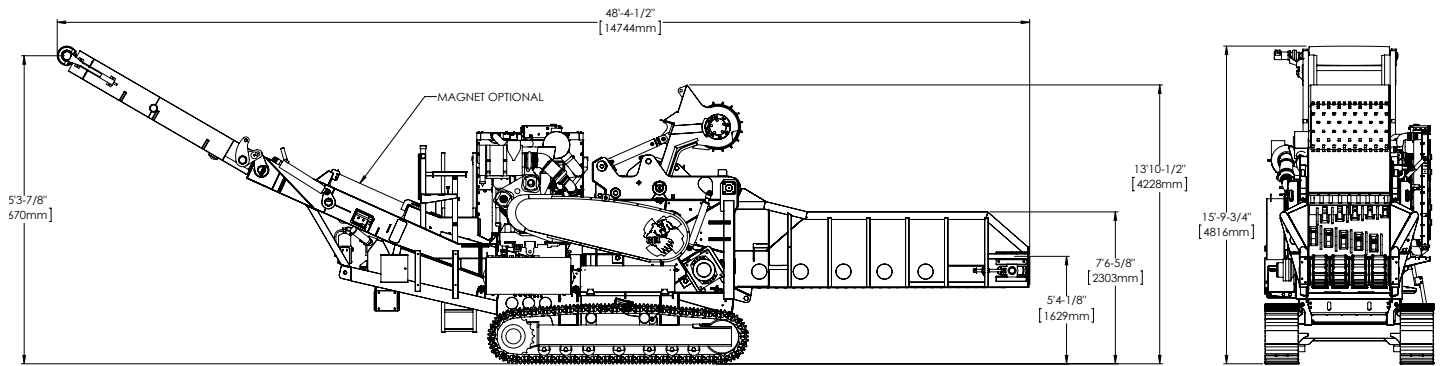


TEEvolution by Terex® Environmental Equipment is a program that incorporates higher performance and higher efficiency products with reduced noise emissions and measures that make the products overall more efficient to use.

- Lower Engine Operating Speed
- Efficient Hydrostatic & Hydraulic Systems
- User friendly machine control systems with advanced technology

Specification subject to change without notice

Drawing



OPERATIONAL MODE

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