

## GRINDER/CHIPPER

# TBG 660



### **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.*



# NEXT-GENERATION VERSATILITY

# TBG 660

This horizontal grinder is the world's most versatile grinder because of its four interchangeable rotors. The TBG 660 (CBI Magnum Force 6400T) provides the flexibility to process an exceptionally wide variety of materials and generate the end products your clients demand—all with a single ma-

chine. No other grinder is as productive, flexible or compact as this tracked model.

Operators can transform this whole tree grinder into a machine built for grinding contaminated demolition debris just by swapping the rotor and screen(s). The rotor options available

with this horizontal grinder are as rugged as they come. The solid steel rotor, with (20) 6" x 8" striker plates, is ideal for grinding contaminated railroad ties, municipal solid waste and demolition debris. If you're in the market for forestry debris and mulch processing, the forged drum rotor with 4" hammers and

reversible tips are your best option.

The TBG 660 horizontal grinder can also be converted to a whole tree chipper by installing a 2-pocket or 4-pocket chipper rotor. The 2-pocket rotor features two rows of knives for chip lengths of 3/4" to 1 1/4". This is for producing fuel chips from stemwood.

The 4-pocket chipper rotor has four rows of knives for chip lengths of 1/16" to 1/2". The four-pocket chipper rotor produces wood microchips from stemwood suitable as feed stock for producing wood pellets.

Customers can chip logs of various sized chips at rates up to 200

tons per hour thanks to its extensive power unit. This machine is powered by a CAT C27, 1,050HP diesel engine. This comes equipped with a radiator featuring a Flexxaire Auto-Reversible Fan for automated cleaning, a PT Tech hydraulic clutch with pump drive and a CAT Air Filtering System.

## Key Features

### THE WORLD'S MOST RUGGED ROTORS



#### SOLID STEEL

Sixteen 6"x 8" striker plates held in place by two 1-1/4" bolts, designed specifically for contaminated demolition debris, RR ties, and MSW.



#### FORGED DRUM

3" thick, with 20 weld on Replace-A-Face™ hammers with reversible tips for forestry debris and mulch manufacturing.



#### 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 1/16" to 1/2" to produce short chips from stem wood suitable for pelletizing or pulverized fuel, etc.

• 60" wide discharge conveyor for high-volume throughput and 15'-10" discharge height for loading trailers

• Clamshell design provides full access for maintenance and a direct line to lift and remove grates (shown in service position)

• 60" wide infeed conveyor, 15' in length

• Mounting brackets and plumbing for overband magnet is standard

• Metal Detection System™ with four shear pins to protect rotor, anvil and screens

• D5 600 mm triple grouser tracks



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: 10'-2" (3 m)  
Height: 12'-0" (3.6 m)  
Length: 40'-10" (12.4 m)  
Weight: 83,000 - 90,000 lbs. (approx.)

### ENGINE/DRIVE

Caterpillar C27; 1,050HP (787 kW)  
Fuel capacity 450 gallons (1,703 L)  
PT Tech HPT015 clutch  
12 groove, 8-V section Arimid belt with guarding

### DISCHARGE CONVEYOR

Width: 60" (1.5 m)  
Length: 37' (11.2 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: 60" (1.5 m)  
Height: 46" (1.1 m)  
Conveyor: 15'-0" (4.5 m), heavy-duty belting

### CONTROLS

Parker IQAN™  
Remote control operated

### HYDRAULICS

Hydrostatic  
Hydraulic capacity 95 gallons (359 L)

### HAMMERMILL

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

### EQUIPMENT PROTECTION

Metal Detection System™ (MDS)

### TRACKS

D5 600 mm triple grouser

## TEEvolution

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

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