

## GRINDER/CHIPPER

# TBG 635



### **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.*



# HORIZONTAL GRINDING, CHIPPING

**TBG 635**

The TBG 635 (CBI Magnum Force 5400) is one of the latest offerings in the next generation of grinders, where owners can select from four different field-swappable rotors to accommodate changing materials and processing demands. This unique design provides the flexibility to process an

exceptionally wide variety of materials and generate the products that your clients demand – all with a single machine.

To further its unique design, the PT Tech hydraulic PTO and hydraulic engagement replaces the need for a clutch. You can go from making high

quality mulch from trees and stumps, to chipping stemwood into chips in custom sizes ranging from a constant 1/8" fiber length to constant 1" fiber length. Machine operators can also grind highly-contaminated C&D or railroad ties by swapping rotors and screens.

This unbelievable versatility guaran-

tees that you will always have the right machine for the job when the market demands change and opportunities come knocking. The TBG 635 gives you more bang for your buck and a better return on your investment.

With the push of a button, the unique design of the hog box provides

service-friendly, full access for easy daily maintenance (say "goodbye" to scraped knees, sore backs, and banged heads). This feature offers a direct line to lift and remove screens, and greatly simplifies rotor removal through the top of the machine. The screen has been specially designed to be

easily removed by unbolting the support plate and pulling the screen out without having to remove the screen frame. In addition to the hog chamber's unique design, it has a reinforced housing with 100% continuous welds for maximum strength and corrosion resistance.

## 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.

▪ Unique design of the hog box provides full access for easy daily maintenance; offers a direct line to lift and remove screens, and greatly simplifies rotor removal through the top of the machine

Metal Detection System

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



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'-11" (3.9 m)  
Length: 39'-11" (12.1 m)  
Weight: 70,000 - 76,000 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: 16'-8" (5 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: 72" (1.8 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 (762 mm x 1,219 mm)

### EQUIPMENT PROTECTION

Metal Detection System™ (MDS)

### SUSPENSION

(2) 25,000 lb. axles with tandem spring suspension equipped with four 445/65R 22.5 tires

Specification subject to change without notice

**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

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