CBI Grizzly Mill

High Performance Wood Waste Grinder

Features

- Rugged design for maximum uptime in extreme applications
- Extra heavy-duty rotors, anvil, and grates
- Extremely tolerant of rock and metal
- Safe to operate and meets OSHA standards
- Lowest operating and maintenance costs
- Clam shell opening for full access to rotor and screens
- Grate designed to give highest quality end product
- Lowest energy consumption of any wood hog produced

Description

Known as the heavyweight champion of the wood waste industry, the CBI Grizzly Mill is the backbone of our biomass recovery systems. It is recognized worldwide as the toughest and most productive wood hog ever built. With multiple rotor types and sizes available, it can be configured specifically as a primary, secondary or tertiary grinder for waste wood (stumps, logs, demolition debris, MSW, telephone poles and railroad ties, stringy bark, yard waste, etc.) for end-product sizes ranging from 15mm–500mm.

The Grizzly Mill comes with one of three optional extra heavy-duty, solid steel offset helix rotors with bolt-on strikers that shear material from two different directions against an anvil and grate completely eliminating uneven wear and side-loads on the rotor.

The heavy duty shear pin protected anvil is a 6” - 7.5” thick solid steel plate covering the full width of the housing. A high wear-resistant liner covers the complete face of the anvil and is replaceable. It is also equipped with adjustable blocks to support the shear pins, which allow the anvil/rotor clearance to be adjusted and shear pins to be easily replaced.

Engineered for superior strength and the industries longest life, the grate is made of 1”- 2” thick (depending on size and application) 450-500 BHN abrasive resistant alloy with a 180 degree cutting surface. Optional hole patterns are available for different applications and end-product requirements. Grates are protected by four shear pins.

The superior design of our solid steel rotors (available with optional brute package) allows it to turn at half the speed of a conventional hammer-mill’s rotor, saving up to 90 percent of maintenance costs. The rotational speed is fast enough to make a highly uniform end product but slow enough to make the Grizzly Mill extremely tolerant to rock and metal contamination. All rotors are locked to the high strength alloy shaft by two B-Loc locking assemblies.

The Grizzly Mill’s main frame is an extra heavy-duty 1.25” - 1.5” thick wall structure designed to continually withstand extreme peak loads from logs, stumps and all other types of feed material.

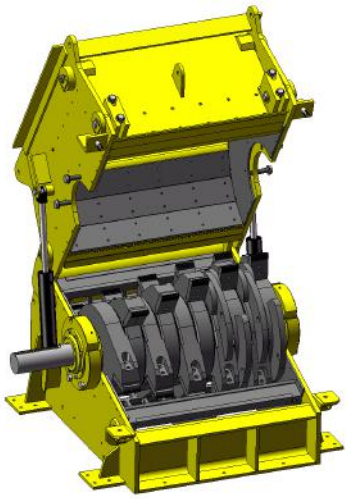
The hog box’s clamshell design provides easy access to the anvil, grate and strikers for routine maintenance procedures. All cross members are formed and 100% welded and stress relieved for maximum life and strength. The heavy-duty frame is then line bored to ensure accuracy in alignment and all holes are equipped with replaceable bushings. Wear surfaces are covered with easy-to-replace bolt-on liners made of thick, 450 BHN abrasive resistance alloy.

CBI’s optional “C” model Grizzly Mill provides extra flexibility for those looking to grind or re-grind material to an even more uniformed and smaller end product. The “C” model is equipped with our high-strength forged offset helix drum rotor with weld-on Replace-A-Face™ hammers with reversible, bolt-on tips.

The “C” model Grizzly Mill is designed to accommodate two quick-change, slide-in screens/grates made of 1” thick 450-500 BHN abrasive resistant alloy with a cutting surface of 180 degrees. Screens/Grates are available in various-sized openings and are supported by four shear pins.

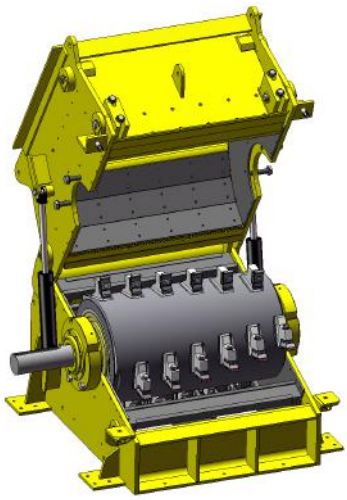
Energy Savings

All the above features are not only incorporated to ensure the toughest, longest lasting, most productive “Hog” ever built; but equally important to have the lowest energy consumption per ton of any wood hog built. Energy savings verified and proven again and again, saving our customers tens of thousands of dollars every year.

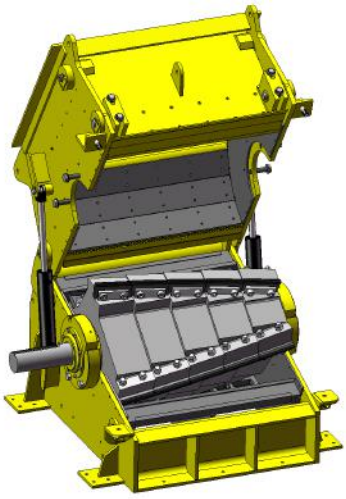


6” Segmented Rotor

Shown above with and without Brute Rotor Package



Drum Rotor (C-Model)



12” Segmented Rotor

Specifications

Grizzly Mill Model	Rotor	Rotor Diameter (in)	Rotor Length (in)	RPM	Horse Power (Electric Drive)	Shaft Diameter (in)	Total Weight (lb)
4872	Solid Steel	48	72	550-800	600-1200	7	43-46,000
4860	Solid Steel	48	60	550-800	500-1000	7	39-42,000
4848	Solid Steel	48	48	550-800	400-800	7	35-38,000
4836	Solid Steel	48	36	550-800	300-600	7	31-34,000
3660	Solid Steel	36	60	700-900	300-600	6	23-26,000
3648	Solid Steel	36	48	700-900	250-500	6	19-22,000
3636	Solid Steel	36	36	700-900	150-400	6	15-18,000
4872C	Forged Drum	48	72	900-1100	600-1200	7	43-46,000
4860C	Forged Drum	48	60	900-1100	500-1000	7	39-42,000
4848C	Forged Drum	48	48	900-1100	400-800	7	35-38,000
4836C	Forged Drum	48	36	900-1100	300-600	7	31-34,000
3660C	Forged Drum	36	60	1100-1400	300-600	6	23-26,000
3648C	Forged Drum	36	48	1100-1400	250-500	6	19-22,000
3636C	Forged Drum	36	36	1100-1400	150-400	6	15-18,000

*Throughput varies greatly depending on the application and material processed. Please contact CBI to help determine throughput.

The CBI difference: Fuel the Future.™

Continental Biomass Industries, Inc.

World’s Best Stationary and Portable Material Recovery Systems

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