



the Mother of all Shredders!

Annihilator

Features

- Lowest cost-of-ownership available
- High volume throughput
- Auto Rotor Reverse Sequence for clearing materials
- Auto Material Purge Cycle to clear jammed materials
- CAT® 600-1000 HP diesel or electric motors
- PLC control with digital display, with system diagnostics
- 42" diameter x 10'-4" long x 6" thick, high strength steel rotor
- Anvil cutting gap instantaneously adjusts to accommodate varying feed stock and desired end product size



Designed for all types of contaminated C&D, MSW, and other bulky waste.

Description

The CBI Annihilator is truly the Mother of all Shredders! Designed for high volume primary shredding of C&D, bulky waste, and MSW, the Annihilator delivers extreme throughput. Whether configured for a stationary or portable application, and powered by an electric or diesel powerplant, the CBI Annihilator provides the highest throughput, best durability, lowest maintenance costs, and overall lowest cost-of-ownership of any primary shredder available.

Shredding Chamber

With an 8' wide by 10'-4" long box, throughput isn't hampered by an inability to get material into the Annihilator. Fabricated from high-strength steel and lined with Hardox 400 wear-resistant material, the box is designed and built for long-term, high volume usage.

Rotor

The over 20,000 pound rotor is a 6" thick forged, high-strength steel drum. 42" in diameter by 10'4" long, the rotor has machined grooves for placement of 42 hammers — 14 in each of three rows. Each 4.5" wide hammer weighs 95 pounds, and has machined cross-slots for the forged steel, bolt-on reversible tip. Replacement of tips is fast and easy. The rotor is powered by twin Hägglunds CB400 radial piston motors, with a combined output torque of 250,000 lb-ft.

The rotor is supported by 12" diameter high-strength shaft and bearings, with spline tooth drive ends.

Anvil

The 8,000 pound anvil is attached to the Annihilator box by 5" diameter, high-strength, hardened steel pivot pins and bushing. Forged steel wear guides and bolt-on teeth with carbide edges provide a high cutting edge with maximum wear life. Two, 10" diameter bore, 6,000 psi door cylinders support the anvil.

Discharge Conveyor

The 48" wide, cleated chain belt discharge conveyor is powered by a 40 HP Sumitomo SM-Helical Buddybox gear motor. The 25 degree incline of the discharge conveyor provides a discharge height of up to 13'.

Power Unit

The two Rexroth axial piston transmission pumps that power the Annihilator can be driven by either diesel or electric power. The standard Annihilator factory configuration is powered by a CAT C-16 630 HP diesel engine. For stationary applications, the Annihilator can be driven by two, 300 – 500 HP crusher duty, electric motors.

Specifications

Overall		Weight	105,000 pounds
Length	51'-10"	Throughput	100+ tons/hour
Height	13'-6"	Power	
Width	9'-5"	Diesel	CAT C-16, 630 HP
Box		Electric	Two (2) 300-500 HP motors
Length	10'-5"	Electrical	Radio remote control for all functions, with full, independent mechanical backup.
Width	6'-8"		
Output conveyor			
Length	30'		
Width	48"		

The perfect solution for all types of contaminated demolition debris, bulky waste, tires, carpets, mattresses, MSW, etc.



The CBI difference: More Value — by Design

Continental Biomass Industries, Inc.

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