

CBI

PRODUCT LINEUP



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Continental Biomass Industries

Since 1988

CBI PRODUCT LINEUP

Upswing Grinders



Magnum Force 5800B

Features the same principles of the CBI 6800B horizontal grinder but is purpose-built for contractors dealing with lower production needs or transportation restrictions. **63,000-69,000 lbs, CAT C-18 engine; 765 HP, 40"D x 48W rotor.**



Magnum Force 6800C

Designed for land clearing companies and yard waste processors demanding high-volume throughput and reliability. **86,500 lbs, CAT C-27; 1050 HP engine; (option of CAT C-32 1125 HP or 1200 HP), 40"D x 60"W rotor.**



CBI Rotors Are Protected By MDS (Metal Detection System)

Automatically detects tramp metal through impact sensors on the rotor. The feed roll lifts, feed system reverses, engine speed is reduced, clutch is disengaged and engine shuts down before metal enters the mill.



Magnum Force 8800

Stronger, smarter and more productive and fuel efficient than anything previously made. Built for maximized throughput when grinding trees, stumps, brush, yard waste or pallets. **107,660 lbs, CAT C-32 engine; 1200 HP, 50"D x 60"W rotor.**

Available Attachments



Direct Pin Stump Shear

The CBI Stump Shear grubs, pulls, shears, backfills, and loads stumps and logs at a rate of 50+ tons/hour. Direct pin models available, designed to fit 40,000 - 100,000 pound class excavators with an auxiliary hydraulic line for the additional piston that powers the cutting knife.

Downswing Grinders/Chippers



Magnum Force 5400

Processes an exceptionally wide variety of materials and generates the products that your clients demand – all with a single machine. **70,000 - 76,000 lbs, CAT C-18 engine; 765 HP, 40"D x 48W rotor.**



Magnum Force 5400 Multiflex

Meets the demands of grinding contractors looking for a one-man grinding solution. Designed to be pulled by a truck with a log loader, the infeed and radial discharge rotate left and right 60 degrees for loading and stacking of material on both sides of the machine. **77,000 lbs, CAT C-18 engine; 765 HP, 40"D x 48"W rotor.**



Magnum Force 6400

Owners can transform this whole tree grinder/chipper into a machine built for grinding contaminated demolition debris just by swapping the rotor and screens. **83,000 - 90,000 lbs, CAT C-27 engine; 1050 HP, 40"D x 60"W rotor.**



Magnum Force 8400

The ultimate land-clearing machine and processor of railroad ties, telephone poles, C&D waste, stumps and logs at a throughput rate of up to 200 tons/hr. **94,000 - 108,000 lbs, CAT C-32 engine; 1200 HP, 50"D x 60"W rotor.**

Drum Chippers



ChipMax 484BP

Featuring two rotor options, you can produce high-quality fuel chips custom sized from 3/4" to 1-1/4" or "micro-chips" from 1/8" to 1/2" for small wood-fired boilers and the pellet mill industry. **55,000 lbs, CAT C-18 engine; 765 HP, 40"D x 48"W rotor.**



ChipMax 484BT

Engineered to provide a compact but highly-productive chipper that can be configured to top or end load. Like the 484BP, the 484BT features two chipping rotor options **56,000 lbs, CAT C-18 engine; 765 HP, 40"D x 48W rotor.**



ChipMax 484VT

Vertical discharge chute rotates 290-degree for top loading of trailers and broadcast spreading of wood chips. **55,500 - 65,000 lbs, CAT C-18 engine; 765 HP, 40"D x 48"W rotor.**



ChipMax 484VR

Discharge chute rotates 290-degrees to distribute chips in multiple areas, which minimizes truck relocation. Designed to be truck or trailer mounted, the hog chamber rotates 360-degrees for versatility of material loading. **42,500 - 48,000 lbs, CAT C-18 engine; 765 HP, 40"D x 48"W rotor.**

Flail Debarkers & Disc Chippers



Magnum Force Flail 604

Engineered to be the industry's most rugged and productive delimeter/debarker, capable of processing logs up to 24" in diameter. **98,000 lbs, CAT C-18 engine; 600 HP, 40"D x 60"W flail drum.**



Magnum Force Disc Chipper 754

Capable of producing high-quality wood chips from 3/8"– 1" at up to 200 tons per hour. **94,500 lbs, CAT C-27 engine; 1050 HP, 75"D 4-knife chipper disc with babbited or Key Knife system.**



Magnum Force Flail 604NL

The 604NL four-roll flail design guarantees maximum debarking action to assure owners earn a timely ROI through a quality end product. **84,000 lbs, C-18 engine; 600 HP CAT, 40"D x 60"W flail drum.**



CBI 7544 Flail & Chipper

The 7544 is the ideal machine for the pulp and paper industry and others looking for maximum debarking and high production of quality uniform wood chips. **108,000 lbs, CAT C-32 engine; 1200 HP, 75" 4-knife chipper disc with babbited or Key Knife system, three-roll flail design.**

Our high-capacity, integrated flail and chipping system consists of our 4-roll flail for the highest volume debarking while reducing fiber loss, chain wear, and fuel consumption. Our 4-knife, 75-inch chipper is designed to discharge trash/bark on the opposite side of the chip discharge, allowing the trailer and chip system to be parallel. Each unit is built to be legally transportable, yet designed to work together as one.



Steel Drum

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



Forged Drum

3" thick rotor with twenty or twenty-four weld on Replace-A-Face™ hammers with reversible tips for forestry debris and mulch manufacturing.



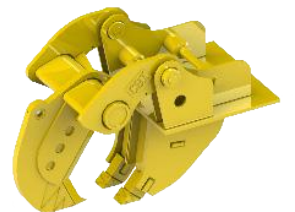
2-Pocket Chipper

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 1/8" to 1/2" to produce short chips from stem wood suitable for pelletizing or pulverized fuel.



Quick-Coupling Stump Shear

The CBI Quick-Coupling Stump Shear is excavator-mounted and performs many separate tasks. This shear is designed to fit on 40,000 - 100,000 pound class excavator and makes swapping attachments quick and easy adding to machine versatility.



RR30 Root Rake and Thumb

It grubs, pulls, backfills, rakes and loads to make "hog feed" out of dirt contaminated debris. The CBI Root Rake is built with the same rugged durability you have come to expect from CBI.



Log & Stump Screw

An attachment for splitting over-sized butt logs, pole wood, tree service block wood and stumps into a more manageable size. The XP and XLP fit virtually any machine with auxiliary hydraulics. Splits wood up to 7 feet in diameter and up to 20 feet in length with ease and efficiency.

Stationary Systems



Grizzly Mill

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.



The Regrind Pro XL 406

Designed to regrind a wide variety of material to a small uniform end product. It can also be configured as an asphalt shingle grinder (CBI Shingle Pro XL 406) for asphalt shingle recycling.



The Annihilator (Shredder)

Designed for high-volume processing of metal-contaminated C&D, bulky waste and MSW. Ideal for landfills, transfer stations or recycling systems. Handles 100+ tons/hour of co-mingled waste streams.

Complete Custom Systems



Continental Biomass Industries (CBI) recently designed and installed an electric stationary system that is customized to grind 600 - 800 tons of railroad ties on a daily basis. Ties 2, based out of northern Wisconsin, initially approached CBI about possible system options nearly two years ago and the planning process took off not long afterwards.

The challenge was to create an electric system that could withstand the tough and gnarly material that hardwood railroad ties



often present while producing high amounts of consistent end product. It appears Ties 2 made a worthy investment after reviewing 2016's early results. Downtime has been minimal and the grinding facility's crew has shown it isn't afraid to work extra hours to meet customer demand.

Much of the system's success can be attributed to the CBI Grizzly Mill Primary Grinder. This unit features a 60" x 60" solid steel rotor that is the largest rotor design ever manufactured by CBI. Before the ties are initially



ground, they are loaded onto a CBI Taper Slot Vibratory Screen to remove dirt and debris.

The end product, which looks very similar to the average homeowner's landscaping mulch, is trucked to two nearby power plants: Minnesota Power in Duluth, Minnesota and Excel Energy in Ashland, Wisconsin. Each power plant burns the end product to generate electricity for those living in nearby regions.

Screening Systems



The CBI AirMax material separator component is versatile for C&D recycling, glass recycling, mulch cleanup, compost cleanup and automotive fluff recycling. The AirMax requires minimal power from four motors totaling 32 HP.



CBI offers a wide variety of screening solutions such as Taper Slot and Vibratory screens to meet the various needs of our customer and the wide range of materials they process.



Trommel Screens effectively separate out fines from over-sized material. Ideal for applications requiring final product to be 2-inch and smaller.



Continental Biomass Industries

World's best stationary and portable material recovery systems.

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