



A TEREX BRAND

CBI RAILROAD TIE GRINDING SYSTEM



TIES² ELECTRIC STATIONARY SYSTEM



600-800 tons a day of ground railroad ties sold to nearby power companies.

Processing 150,000 tons of raw railroad ties a year, the electric stationary system at Ties 2 does what other systems can't. Railroad ties initially pass over a vibratory feed which removes debris and regulates the amount of material fed into the primary grinder. CBI's 6060 horizontal grinder is a super heavyweight with a 5' infeed and 5' diameter solid steel rotor. Railroad ties, by design, are made from the hardest wood and are often the most contaminated with steel—the 6060 primary grinder powers through 130 tons an hour. After the primary grind, material passes under an electromagnet that removes and separates any metal that was ground up with the ties.

Material then passes through a CBI disc screener to remove any material small enough to pass the fuel spec while the oversized material moves on to the 4872 Grizzly Mill Secondary Grinder. This Grizzly Mill is a 6' wide vertical grinder with a 4' segmented rotor. The end product, which looks very similar to the average homeowner's landscaping mulch, is transported to Minnesota Power and Excel Energy to generate more renewable energy for nearby regions.



Superior, Wisconsin



Vibratory Feed

Vibratory feed removes dirt and debris while regulating the feed speed into the 6060 infeed.



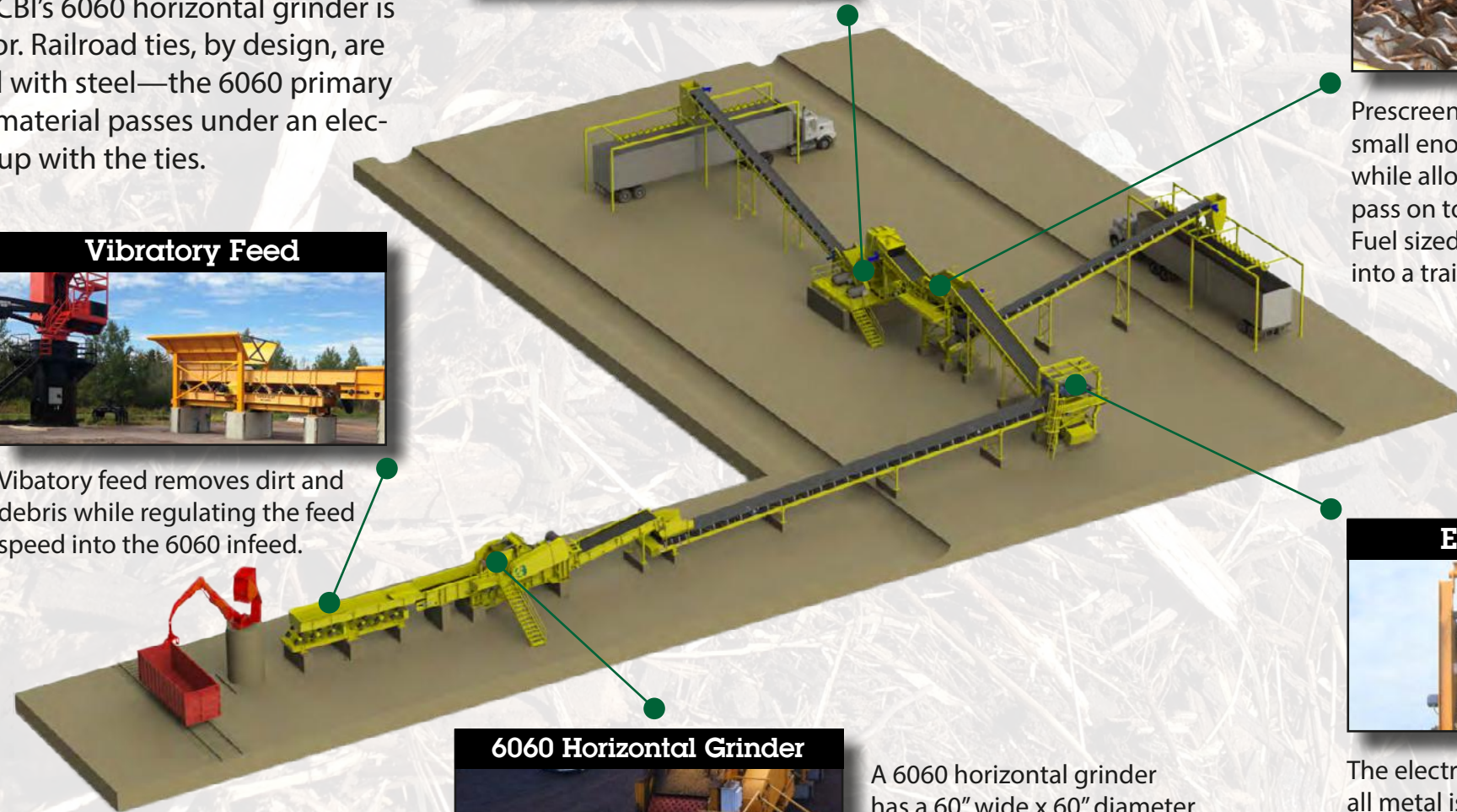
4872 Grizzly Mill

Oversized material passes through a CBI Grizzly Mill Secondary Grinder. The 48" x 72" rotor grinds oversized material down to be discharged into a second top load trailer.



Prescreener

Prescreener removes all material small enough to pass fuel spec, while allowing larger material to pass on to the secondary grinder. Fuel sized material is top loaded into a trailer with leveling auger.



6060 Horizontal Grinder

A 6060 horizontal grinder has a 60" wide x 60" diameter solid steel rotor that weighs in at 17,000 lbs. This rotor's power is unmatched.



Electromagnet

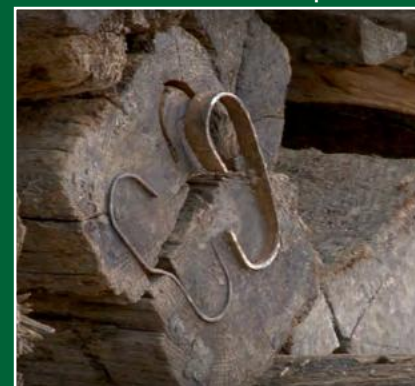
The electromagnet tower ensures all metal is removed and diverted into a separate container before material advances to the CBI Prescreener.

Christopher Weides, Operations Manager for Ties²



"It takes a grinder like the 6060 horizontal grinder to get that primary grind done properly," Weides said. "CBI produces the only grinder, as far as I know, that can handle railroad ties. We've had numerous grinding companies send their salesmen to us only to find that we run a CBI system and they say, 'Well, we'll just go find someone else to buy our machine'. CBI is built to do the job because it is the heaviest built grinder that can handle the abuse that railroad ties give it. This system holds up well to the operations that we put it through."

Raw material contaminated with metal scrap



Metal separated from material



Clean end product sold as fuel



NEWTON

22 Whittier Street, Newton
New Hampshire, US, 03858

Tel: +1 (603) 382 0556

Fax: +1 (603) 382-0557

Dealer Stamp:



A TEREX BRAND



CBI videos on YouTube: www.youtube.com/user/cbimaterialrecovery