



A TEREX BRAND

PRODUCT SPECIFICATION

CBI C&D PROCESSING SYSTEM



STRATFORD BALING C&D FACILITY



Efficiently processes high volumes of construction and demolition debris.

Stratford Baling is a C&D facility that accepts construction & demolition debris, municipal solid waste, recyclables, and wood waste. This facility was designed from the ground up to minimize occupied space and maximize debris throughput. Mixed waste is piled on the tipping floor then loaded onto a vibratory screen where it's separated by size into two components. The 12" minus material is sent to a trommel that removes fines from mid-sized material. Valuable ferrous metal in the mix is removed by an overband magnet before the trommel. Mid-sized material is then sent to a three fraction density separator where aggregates and super lights are removed and sent to appropriate bins. The remaining debris travels to its final destination at the baler.

Overs that were separated at the vibratory screen are sent to the picking line where valuable recyclables such as copper, steel, aluminum, wood, and aggregates are manually sorted into bins. Sorting room chutes designated for wood waste drop material onto multiple conveyors beneath the picking station's floor. These conveyors seamlessly load wood into a 400 HP CBI Magnum Force 8600 Horizontal Grinder located just outside the main facility walls.

A dedicated wood loading area next to the CBI 8600 bypasses the main facility, saving time, energy, and resources when processing large volumes of pre-sorted wood. Depending on the desired final product, processed wood can either be stacked or sent to a 36" diameter by 48" wide Grizzly Mill for secondary grinding. The Grizzly Mill processes the wood into a finer end-product that is then stored into separate bays with leveling augers.



STRATFORD, CT



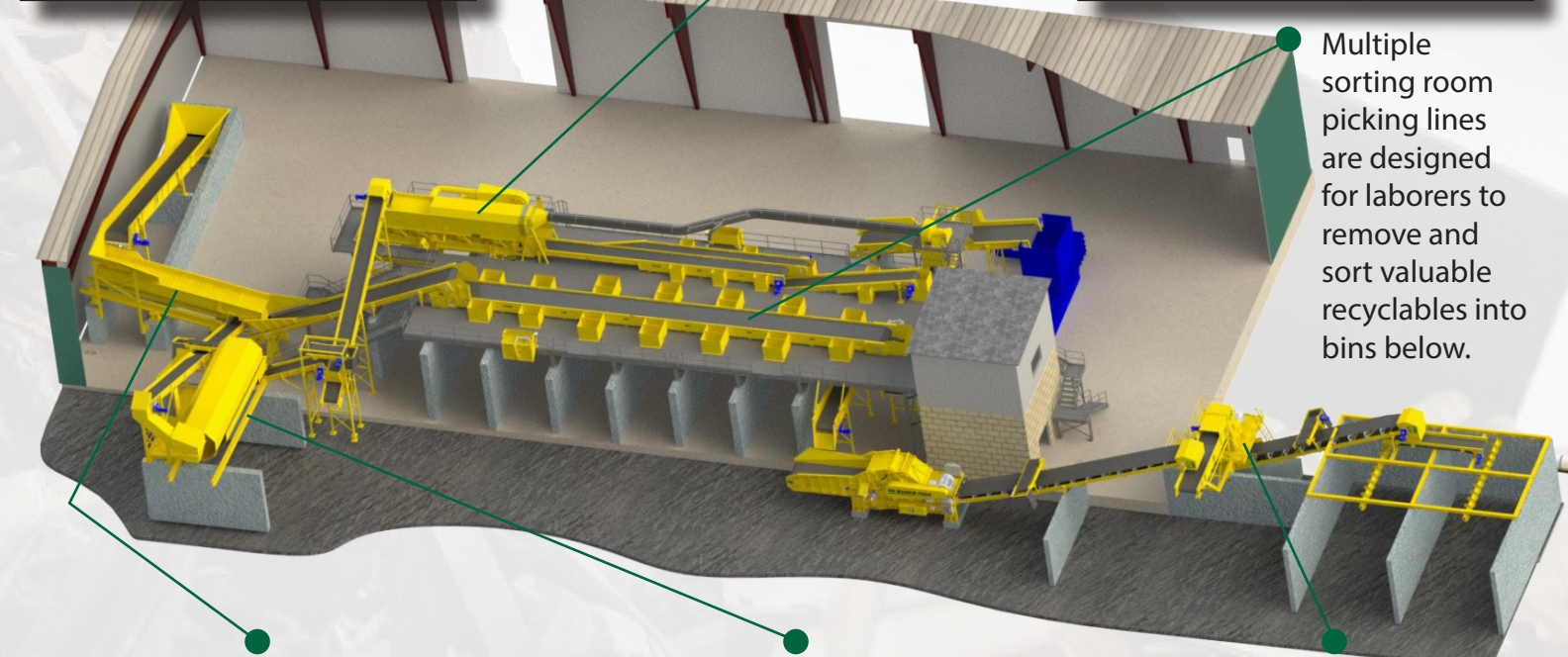
Air Density Separator

Three fraction Air Density Separator separates super-light (plastic and paper), light (cardboard), and heavy material (aggregates) for individual sorting.



Sorting Room Picking Lines

Multiple sorting room picking lines are designed for laborers to remove and sort valuable recyclables into bins below.



Vibratory Feed

Large material proceeds along vibrating deck while small material falls through the slots onto a separate conveyor.



Trommel

72" diameter by 30' long hexagon trommel screens material to a refined final product. A clean pile of fine material is stacked below.



3648 Grizzly Mill

36" diameter by 48" long forged steel drum rotor configured for secondary grinding with 20 weld-on hammers and 20 bolt-on tips.

Aggregates piled



Cardboard & paper baled



Clean wood end product



CBI Magnum Force 8600 Horizontal Grinder



The CBI Magnum Force 8600 is a heavy-duty downswing horizontal grinder that can power through the toughest wood and C&D. For C&D, a 50" diameter rotor, made of ten 6" solid steel segments, provides the strength and kinetic energy needed to pulverize almost any material in high volumes. As with all CBI stationary electric machines, crusher duty rated electric motors are sized based on expected material, throughput desired, and power efficiency required. An optional Brute Rotor Package and demolition grate frame will turn the CBI 8600 into a C&D processing juggernaut.

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