



HAMMEL

RECYCLINGTECHNIK

HAMMEL-Waste wood processing plant stationary or mobile high performance with minimal energy consumption

The waste wood processing plant operates in two stages. It offers energy savings and extremely economical wood shredding, to a final product size of 40 – 60 mm*.

Metal content is almost completely removed, using integrated ferrous and non-ferrous separation. The finished clean wood chips can either be used for incineration or as a secondary raw material in the woodworking industry, depending on the composition of the material.

Powerful Primary shredder

The first stage is to process the high volume and often bulky wood, using the two-shafted primary shredder. The material is fed into the hopper and drops directly between the two counter-rotating shredding shafts, which powerfully shred the material to a product size of 150 – 400 mm*. Any metal content gets broken out of the wood. The metal separator removes 95 %* of the freed ferrous metal out of the pre-shredded wood. In addition, a metal detector is integrated into the HAMMEL-Secondary shredder, which separates the non-ferrous parts and any remaining ferrous content, thereby reducing wear and tear in the second shredding unit to a minimum.



Material

waste wood

C & D

pallets

trunks

railway sleepers (without metal plates)

high caloric fuels

Metal-free chips

The pre-shredded wood is now almost metal free and ready for further processing in the single-shafted HAMMEL-Secondary shredder, using rotating knives and a screen basket under the rotor. If foreign bodies hit the screen basket with force, the basket opens automatically and discharges them. The final product size depends on the mesh size of the screen basket. The secondary shredder is completely enclosed and fitted with a water sprinkler, to reduce noise and dust. A magnet roller is fitted to the end of the discharge belt, to separate and discharge the remaining fine metal parts, like nails, screws, clips, etc.



In addition to the stationary version, completely mobile and semi-mobile hook-lift versions are also available, to allow speedy relocation of the complete plant. The machines can be driven by either diesel engine or electric motor. The throughput performance of the complete processing plant is between 25 – 40 t/h* depending on the end product size.

*depends on the material, shaft configuration, average values

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