

HAAS turnkey systems

CRJ Services supplied a HAAS wood processing system to Mill Farm Recycling Ltd.

Mill Farm Recycling Ltd is a family business with roots in agriculture. In 2004 the company started to build a small composting system to produce compost for its own use. Since 2010, waste wood has been processed into high-quality wood chips. At that time these chips were used as fuel in Mill Farm's own biomass power plant. Today Mill Farm Recycling supplies local biomass power plants and farmers with high quality compost, which is used as fertiliser, and quality chips, which are used as biofuel in the power stations and by farmers as „animal bedding“.



The challenge

Mill Farm Recycling needed a stationary wood recycling system for the production of high-quality wood chips from pre-shredded waste wood grade A. The final grain size should be variable at any time

without any downtime. All ferrous and non-ferrous parts have to be removed and the material must then be separated into four different chip sizes.



The solution

HAAS supplied a precisely fitting turnkey waste wood processing line. The already pre-shredded material is reduced to the required grain size with the vertical hammermill, ARTHOS 1600-E. Magnetic separators and non-ferrous separators sort out ferrous and non-ferrous metals from the wood. Finally, the recycled wood chips are screened into four different grain sizes with a HAAS flat screen.



The single fractions are distributed by chain conveyors to six large storage bays. The oversized material is returned to the process. The HAAS package is completed by a dust extraction system to minimise dust emissions.

The required particle size can be varied -as desired- in a minimum of time. The screen basket of the hammermill can be changed in less than 30 minutes (with the help of the quick screen change

system) and thus the size of the post-shredded material can be specified. The screen decks in the flat screen can be easily exchanged.

System components

1. Feeding and dosing hopper
2. Heavy overband magnet
3. ALVA starscreen
4. ARTHOS 1600-E hammermill
5. Non-Ferrous-Separator 2000 with integrated magnetic drum
6. HAAS flat screen (HPS 125)
Screen fractions:
 - a. 0 - 5 mm
fine fraction
 - b. 5 - 20 mm
medium fraction
 - c. 20 - 50 mm
coarse medium fraction
 - d. > 50 mm oversized
7. Storage boxes



35 t/h

