

Mobile Plasterboard Recycling Unit

Fact sheet: XL Model



The XL Model can recycle all kinds of plasterboard waste from production, rebuilding, demolition and new construction.

The waste may contain nails, screws, wallpaper, glass tissue and other coverings, as these are automatically removed in the recycling process.



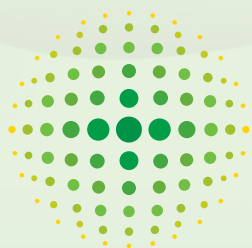
The patented technology incorporated in Gypsum Recycling International's XL Model ensures that superior recycled gypsum powder can be made.

All contaminants are removed and the powder contains less than 1% organic materials. The powder can be used by plasterboard plants as well as cement plants.



Specifications:

- Mobile recycling unit on two trailers
- Dimensions trailer 1: 17 x 2,5 (l x w) meters
- Dimensions trailer 2: 16 x 2,5 (l x w) meters
- Height: 4 meters
- Weight: Trailer 1 = 48 tons, Trailer 2 = 30 tons
- Output per hour: Up to 30 tons of recycled gypsum powder
- Operations efficiency: Typically 65-80%
- Output allocation: More than 90% recycled gypsum powder. Residual paper fraction (from the paper linen of the plasterboards) is less than 10%
- Output particle size: Up to 13 mm. 70% is below 1 mm
- Contaminants in recycled gypsum powder: Less than 1%
- Substitution ratio for virgin gypsum raw materials:
Plasterboard plants: Up to 30%
Cement plants: Up to 50%
- Operators required: 1 (using a front end loader to load the waste into the hopper)
- Fully automated PLC with automatic controls and sensors
- Driven by own diesel generator (500 kva), which is included



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