

RECOVERY PROCESS

HEAVY MELTING SCRAP

Model HMS

THE SGM SOLUTION

Typically, HMS contains between 6-12% of contaminants which negatively impacts on:

- Furnace yield and electricity cost per ton of ferrous produced
- Production of slag
- Consumption of Lime

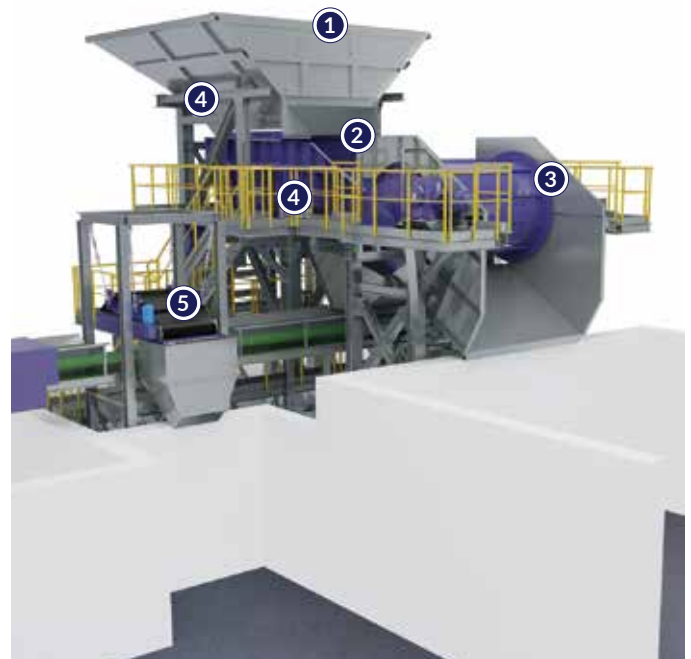
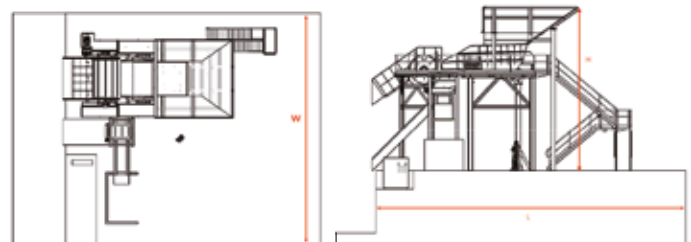
The SGM Scrap Cleaning Line for HMS allows to reducing the contaminants in HMS to less than 1%.

The savings on electricity and higher furnace yield alone, can result in a pay-back of less than 18 months based on a minimum of 300,000 tons of HMS processed per year. The 6 to 12% of non-ferrous removed from the HMS can be sold to metal recyclers for their typical valuable non-ferrous metal content.

TECHNICAL SPECIFICATIONS

- Designed for maximum robustness and heavy duty.
- Charging hopper.
- Vibrating feeder completed with de-dusting screen.
- Extremely strong proprietary electro-drum magnet with special radial polarities allowing a larger distance between the feeder end and drum surface, consequently maximizing the liberation of contaminants.
- Available in three sizes: 50, 100 and 150 tons per hour of HMS.
- Can be supplied as a complete solution or in modular parts.

MODEL	OVERALL LENGTH	OVERALL WIDTH	OVERALL HEIGHT
50 t/h	12456 mm - 40.8 ft	9000 mm - 29.5 ft	10500 mm - 34.4 ft
100 t/h	12994 mm - 42.6 ft	9000 mm - 29.5 ft	10500 mm - 34.4 ft
150 t/h	13294 mm - 43.6 ft	9000 mm - 29.5 ft	10500 mm - 34.4 ft



- ① Charging Hopper
- ② Vibrating Feeder + De-dusting Screen
- ③ Drum Magnet
- ④ Structure
- ⑤ Ferrous Belt Magnet

HEAVY MELTING SCRAP - Model HMS

SGM SCRAP CLEANING LINE (SCL) FOR HMS

