

Typical Applications

- Auto Shredder Residue (ASR)
- Municipal solid waste incinerator ash (IBA)
- Waste of electrical and electronic equipment (WEEE)
- Wood waste
- Upgrade of aluminum scrap

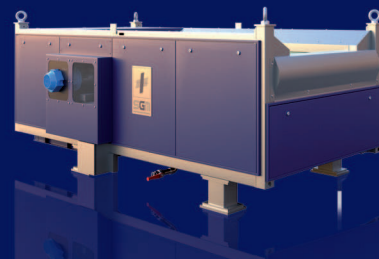
Designed For

- Extra fine fraction < 5 mm down to 1 mm
- Fine fraction < 12 mm
- Medium fraction: from < 12 mm to 20 mm



High Frequency Eddy current Separator Model VIS

The high frequency ECS supplied by SGM is a multiple of the ones supplied by every other manufacturer put together!



Technical Specifications

Designed with a concentric rotor for maximum exposure of material to magnetic field. A concentric rotor design allows the use of large permanent magnet blocks and disposing of maximum magnetic energy. This combined with high speed rotor (from 3.000 up to 4.800 rpm) provides superior metal recovery and purity performance. Ideal to perform both an **instantaneous** and **progressive** separation on ultra fines metals.

The use of a ferrous separation before passing on the high frequency ECS is recommended in order to optimize non-ferrous metal recovery and protect the ECS against ferrous damage exposure.

Optional Features

- Roller splitter
- Brush cleaning system for belt
- Air knife for splitter and belt cleaning
- Automatic or manual splitter adjustment
- Ceramic shell for fiber glass drum
- Vibrating feeder

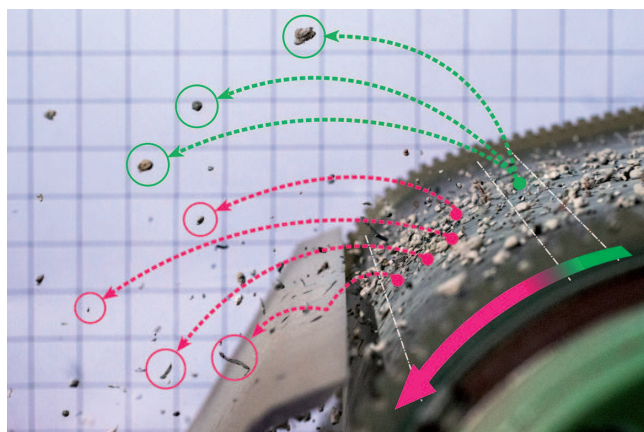
MODEL	RPM	NUMBER OF POLES	CAPACITY (*)	ADJUSTABLE BELT SPEED	MAGNETIC FREQUENCY
VIS 100 Extra Fine	4800	36	3-5 t/h	0.6-2.1 m/sec	1440 Hz
VIS 100 Fine	4000	24	6 t/h	0.6-2.1 m/sec	800 Hz
VIS 100 Medium	3000	24	8 t/h	0.6-2.1 m/sec	600 Hz
VIS 150 Extra Fine	4400	36	5-8 t/h	1.0-3.0 m/sec	1320 Hz
VIS 150 Fine	4000	30	10 t/h	1.0-3.0 m/sec	933 Hz
VIS 150 Medium	3000	24	13 t/h	1.0-3.0 m/sec	600 Hz
VIS 200 Extra Fine	4000	36	8-12 t/h	1.0-3.0 m/sec	1200 Hz
VIS 200 Fine	4000	30	13 t/h	1.0-3.0 m/sec	933 Hz
VIS 200 Medium	3000	28	17 t/h	1.0-3.0 m/sec	700 Hz

MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT
VIS 100	4215 mm	1980 mm	1550 mm	2,400 Kg
VIS 150	4215 mm	2490 mm	1550 mm	2,800 Kg
VIS 200	4813 mm	3175 mm	1626 mm	4,000 Kg

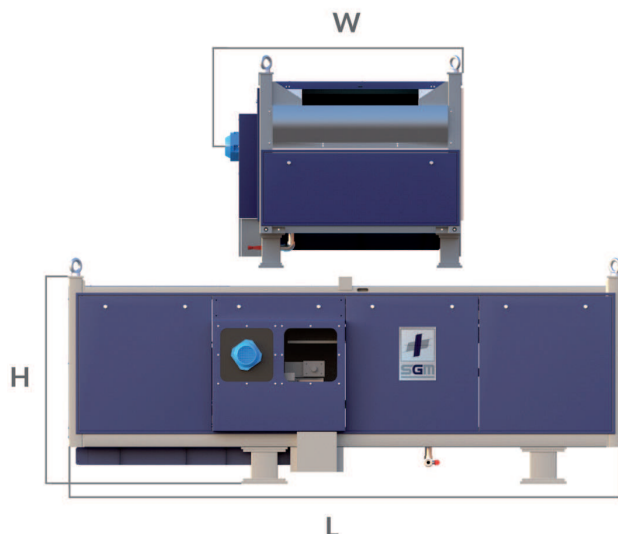
(*) Depending on application, material specific weight and metal content in material

Product Highlights

- Latest generation of performing neodymium permanent magnets.
- Stainless steel sleeve protection mounted on rotor for maximum safety protection against high speed centrifugal forces.
- Designed for easy access to the inside of the ECS for easy maintenance.
- Electronic emergency fast breaking system (no clamping)
- Splitter design can be manual or remote for easy and accurate setting.
- Variable frequency drive for possible adjustment of rotor and belt speeds.
- Robust structure for longstanding industrial use.



NOT EVERY PIECE OF NON-FERROUS METALS JUMP INSTANTANEOUSLY ON AN ECS, SOME REQUIRE MORE TIME. CONCENTRIC ROTOR DESIGN ALLOWS FOR **PROGRESSIVE** SEPARATION VERSUS ECCENTRIC ROTOR DESIGN THAT ONLY ALLOWS **INSTANTANEOUS** SEPARATION.



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