



# R-SPM - Eddy Current Sorter

## Non Ferrous Metals sorting

- Exceptional recovery and purity levels for non ferrous metals
- Unique design eccentricity to recover ferrous separately from inerts



RegulatorCetrisa

## R-SPM - Eddy Current Sorter

The Eddy Current principle is based on an alternating magnetic field in which the polarity continuously changes between north and south. While ferrous metals are attracted by a magnetic field, non-ferrous metals experiences a repulsion effect.

When non-ferrous metals pass through an alternating magnetic field, they generate internal currents (eddy currents). These currents create an opposing magnetic field, causing a repulsive force that deflects the material from its path, allowing it to be separated from other materials.



## Typical incomes



MSW



WEE



Wood



ELV



Glass



Plastic



Aggregates



Biomass

## The R-SPM Technologies



MAGNETIC



INDUCTION

## The R-SPM features include



Motordrum (driven belt) can handle large volumes of processed material



Frame: A robust metallic structure is the support for complete equipment



Eccentric Induction Drums with two setups (high and low eccentricity).



Belt: can handle large volumes of processed material



The induction drum motor uses an outer drum made from a material that does not interfere with magnetic or induction fields, eliminating shielding and dispersion effects and reducing IR<sup>2</sup> losses to zero..



The unloading hopper allows to separate efficiently both flows with a manual solution to adjust splitter

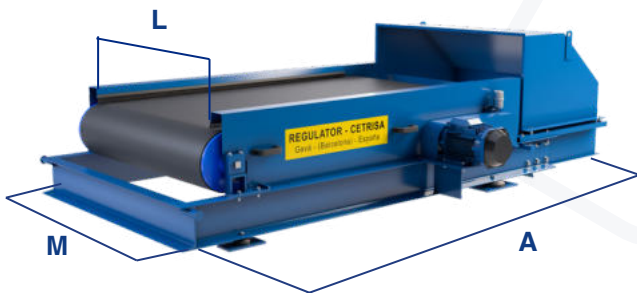
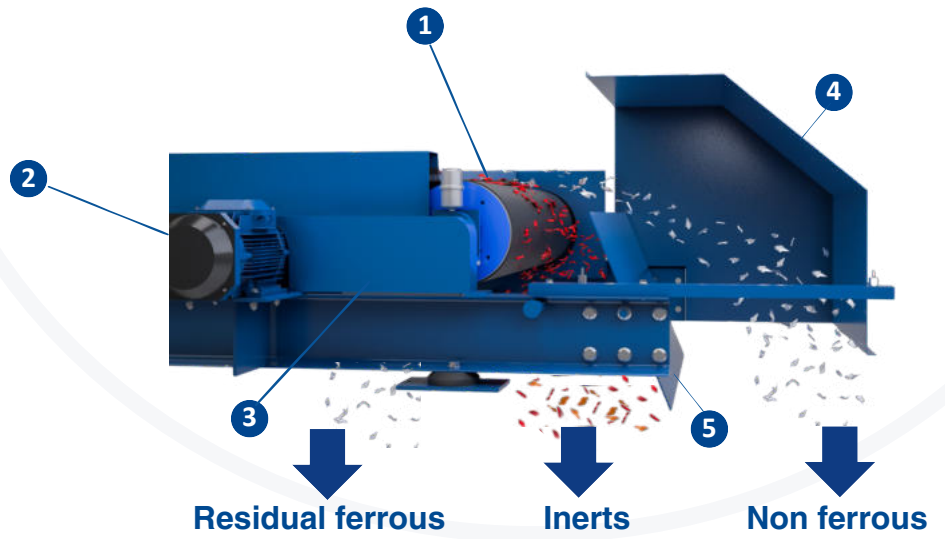


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## Operation scheme

1. Feeding conveyor
2. Motor controlled with variable speed drive
3. Rotor to generate induction field
4. Separation chamber
5. Specially designed splitter


 MI = Magnetic induction



Equipment	A	L	M
R-SPM0600-X	3100	600	1050
R-SPM0750-X	3100	750	1200
R-SPM0900-X	3100	900	1350
R-SPM1050-X	3600	1050	1500
R-SPM1200-X	3600	1200	1650
R-SPM1350-X	3600	1350	1800
R-SPM1500-X	3600	1500	1950
R-SPM1800-X	3600	1800	2100

## Different Setups available

Equipment (X)	MSW	WEE	Wood	ELV	Glass	Plastic	Aggregates	Biomass
ADS	X	X	X	X		X		X
AD+	X	X	X	X	X	X	X	X
AF	X	X	X	X	X	X		X
AFI		X	X	X	X	X		X
AFD		X	X	X	X	X		X

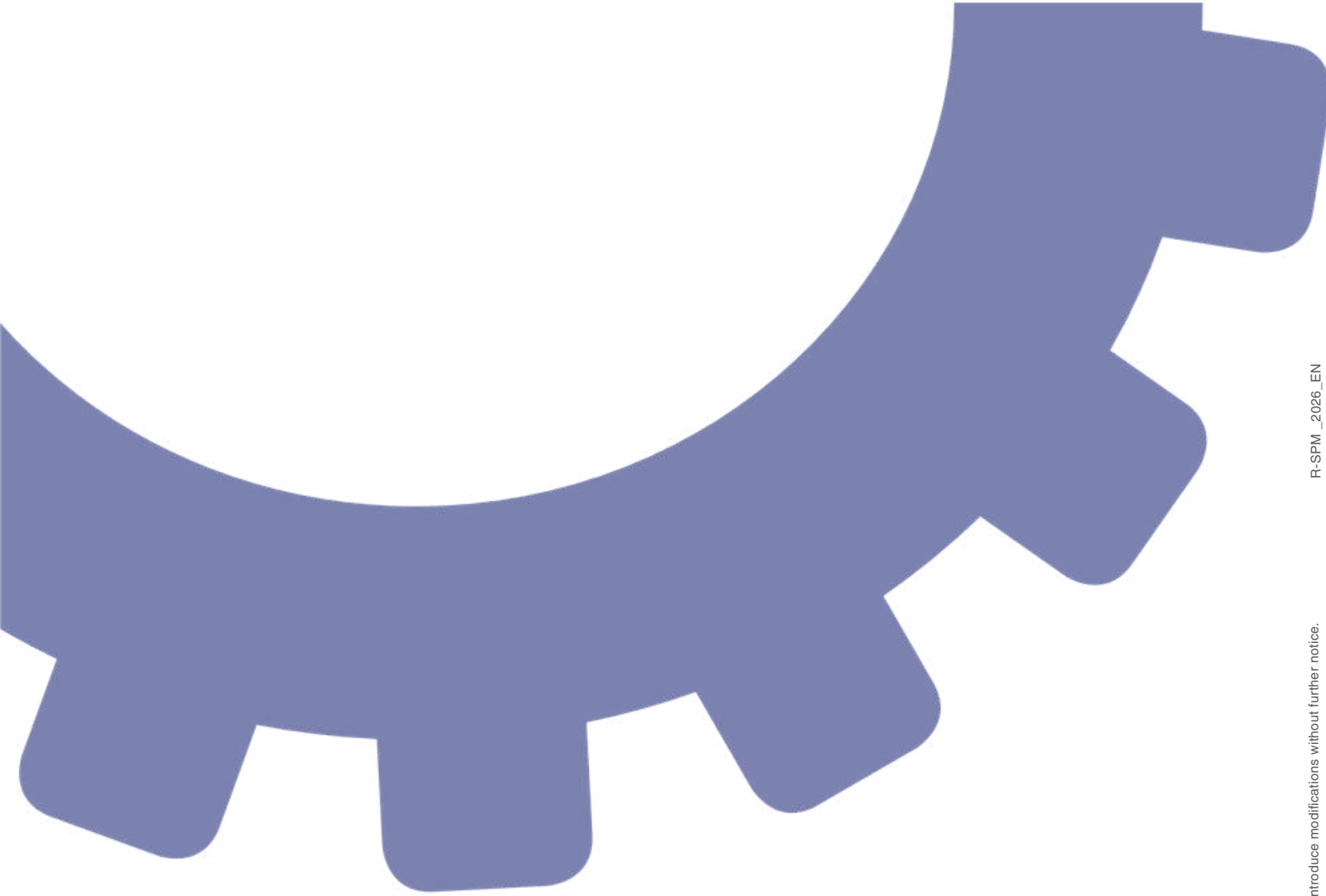
 Coarse Fraction

 Fine Fraction

 Ultra Fine fraction

## Optional equipment

Multitrack  
Brush



## EQUIPMENT FOR SORTING METALS ferrous - non ferrous - stainless steel.



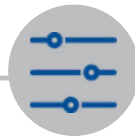
Metal sorting by composition.



High sorting precision



R&D



Best technology and systems



Recover metals from plastic, wood, glass, Aggregates MSW and Biomass.



Test center in Barcelona



Easy installation and maintenance.



We grow up with you



Since 80's

