

Fact Sheet

STEINERT EddyC® FINES



+ METAL SORTING

- + Produces valuable non-ferrous concentrates (Zorba), especially in the lower particle size range, by separating aluminium, copper, zinc and brass as a mix from a wide variety of feedstocks such as ASR, bottom ash, aluminium salt slags, moulding sands or electronic scrap.
- + Separation of non-metallic impurities, such as plastics, wood, rubber and minerals from fine-grained non-ferrous concentrates.

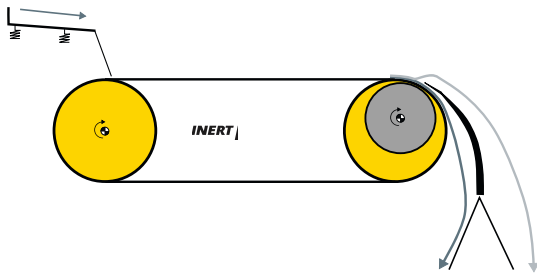
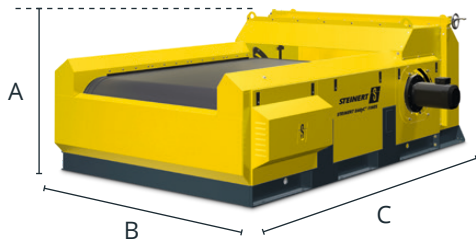
+ WASTE SORTING

- + Recovery of non-ferrous metal mixtures from different fine-grained material streams such as plastic flakes and granulates.
- + Cleaning of fine-grained material streams with a view to non-ferrous metal impurities such as aluminium, copper, brass, etc.

THE RESOURCE
SEARCH ENGINE

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+ TECHNOLOGY

STEINERT EddyC® FINES

- + The head drum of the eddy current separator contains a neodymium permanent magnet system rotating at up to 4,000 rpm.
- + The rotation of the pole system causes the magnetic field to change polarity at a high frequency of up to 1.3 kHz.
- + Eddy currents are induced in conductive non-ferrous metals passing through this magnetic field, which generate their own magnetic field counteracting the excitation field.
- + Non-ferrous metals are rejected from the rest of the material flow due to the resulting repulsive force pulse.
- + The eccentric pole system developed by STEINERT guarantees maximum availability and cost-effectiveness.
- + The core feature of the STEINERT EddyC® model series is a self-supporting frame construction, which enables faster belt changes and optimised maintenance.
- + The special splitter blade enables high-precision adaptation to fine-grained material to be sorted and thus ensures optimum separation results down to 0.5 mm grain size.

STEINERT EddyC® FINES		NES 100	NES 150	NES 200
General				
Working width (mm)		1,000	1,500	2,000
Dimensions approx. (mm)	A	998	998	998
	B	2,140	2,640	3,140
	C	5,225	5,475	6,100
Weight approx. ZOR + EddyC FINES + AFP (kg)		3,380–3,430	5,070–5,230	5,280–6,330
Environmental specifications				
Permitted ambient temp. depending on version (°C)		-5 to +40		
Installation site		Under roof/indoor		
Conformities				
Given conformities		CE		
Electrical specifications				
Machine power consumption (kVA)		11.9–24.6	15.1–24.7	
Machine protection class		IP66		
Accessories + options + variants				
Combination devices		MRB (upstream dual stage magnetic separator) MSB (head pulley magnet) MOR (upstream magnet drum with feeder)		
Example options		Dust protection, various belt types, belt scraper, central lubrication points, discharge options		
Control				
Dimensions approx. (mm)	Height	1,900/2,100		
	Width	800		
	Depth	400/600		
Weight (kg)		300		
Distance control to machine (m)		10–20		
Electrical connected load (A)		17.2–35.6	21.8–37.5	

Technical alterations reserved. For more details see the operating instruction of the sorting system.