

Fact Sheet

STEINERT EddyC®



+ METAL SORTING

- + Produces valuable non-ferrous concentrates (Zorba) by separating aluminium, copper, zinc and brass as a mix from a wide variety of feedstocks such as shredder scrap, bottom ash, aluminium salt slag, moulding sands or electronic scrap.
- + Separation of non-metallic impurities, such as plastics, wood, rubber and minerals from non-ferrous concentrates.

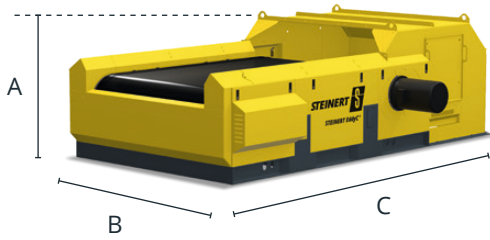
+ WASTE SORTING

- + Recovery of non-ferrous metal mixtures from different waste streams such as packaging waste, commercial waste, construction waste, household waste and recycled wood
- + Purification of material streams with regard to non-ferrous metal contaminants such as aluminium, copper, brass, etc.

THE RESOURCE
SEARCH ENGINE

CURIOSUS?
Learn more.

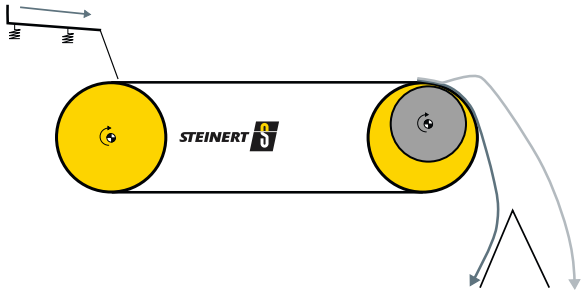




+ TECHNOLOGY

STEINERT EddyC®

- + The head drum of the eddy current separator contains a rapidly rotating neodymium permanent magnet system.
- + Through its rotation, this pole system generates a high-frequency alternating magnetic field.
- + 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 range is a self-supporting frame design, which enables faster belt changes and optimised maintenance.



STEINERT EddyC®		NES 100	NES 150	NES 200
General				
Working width (mm)		1,000	1,500	2,000
Dimensions approx. (mm)	A	998	998	998
	B	2,090	2,590	3,090
	C	6,432	6,682	7,382
Weight approx. ZOR + EddyC + DEC (kg)		3,100–3,700	3,500–4,410	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		Stainless steel components, dust protection, various belt types, belt scraper, central lubrication points, discharge options, disc-charger for waste-recycling applications		
Available working widths (mm)		500, 750, 1,000, 1,250, 1,500, 2,000, 2,500		
Control				
Dimensions approx. (mm)	Height	1,900/2,100		
	Width	800		
	Depth	400/600		
Weight (kg)		600–1,000		
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.