

Fact Sheet

STEINERT UME



+ METAL SORTING

- + Reliable separation of valuable iron and steel even from large layer heights (e.g. from ASR, aluminium shredder scrap, e-scrap, bottom ash or slags)

+ WASTE SORTING

- + Reliably captures magnetisable ferrous parts from material streams (e.g. from commercial waste, organic waste, household waste, waste wood, packaging waste, or mixed construction waste).

+ MINING

- + Removes tramp iron, such as screws, nuts, bolts, rods and cutting heads
- + Provides protection to the crushing and comminution circuit, limiting wear and damage of this critical circuit.
- + Can be coupled with a magnetic detector for magnetite operations where tramp removal with a permanent overbelt suspension magnet is not possible.

THE RESOURCE
SEARCH ENGINE

CURIOSUS?
Learn more.

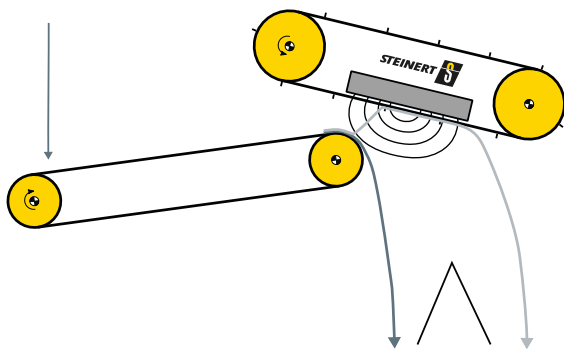




+ TECHNOLOGY

STEINERT UME

- + STEINERT UME electromagnetic suspension magnets are characterised by their extremely strong and far-reaching magnetic fields.
- + Overbelt magnetic separators can be arranged both longitudinally and transversely to the conveying direction above the feeding conveyor belt. Magnetisable pieces are pulled out of the material stream and ejected behind the magnet.
- + The magnetic field is optimised over the entire working width of the magnet and thus has a significant depth effect in the centre of the magnet and also in the peripheral areas.
- + Low weight and passive cooling through the use of special ANOFOL coils made of anodised aluminium strip.
- + Self-cleaning



STEINERT UME		UME 75 90	UME 95 110	UME 115 130	UME 135 150
General					
Magnet block width (mm)		750	950	1,150	1,350
Magnet block length (mm)		900	1,100	1,300	1,500
Floating distance magnet to belt (mm)		350	420	490	560
Weight approx. (kg)		1,600	2,000	3,400	4,900
Environmental specifications					
Permitted ambient temp. depending on version (°C)		-5 to +40			
Installation site		Under roof/indoor			
Conformities					
Given conformities		CE			
Electrical specifications					
Magnet power consumption (kVA)		3.8–24.4			
Motor power (kW)		3.1–8.3			
Machine protection class		IP55–IP66			
Accessories + options + variants					
Accessories		Suspension rods and chains			
Options		Various discharge belts, additional discharge pole, contact protection, central lubrication, Coupled with a magnetic detector			
Variants		UME with closed machine housing as dust protection for ATEX requirements			
Additional magnet block dimensions (mm)	Length	750–1,950			
	Width	900–1,950			
Control					
Dimensions approx. (mm)	Height	1,200–1,800			
	Width	800			
	Depth	300–400			
Weight (kg)		115–225			
Distance control to machine (m)		20			
Electrical full load (A)		5.6–36.5			

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