

Tunnel Coils, EM and VEM Series

Customer-specific sizes, especially for oblong-shaped semi-finished products processed at high transport speed > 1 m/s

PRODUCT DESCRIPTION

Housing made of special cast aluminium with protection class IP44 or housing made of stainless steel with protection class IP54. Depending on the application, the passage opening is available with round or rectangular opening in different diameters.

The required active length of the magnetic field is calculated from the transport speed and the degaussing frequency. Active lengths from 300 to 800 mm are possible.

For the degaussing of workpieces with low material thickness, the degaussing coil can be connected directly to the 50 Hz power supply. For larger material thicknesses and / or hard steels, the use of a low frequency generator will be necessary.

PROCEDURE

Continuous degaussing.

The tunnel coils have been optimized for degaussing at high transport speeds which has been achieved by special coil windings as well as by a decreasing field strength at the coil output.

APPLICATION

Degaussing of small to medium-sized parts and semi-finished goods processed at high transport speed (> 1 m/s).



TECHNICAL DATA

	Active opening	Connection	Nominal current Ieff	Protection class
Tunnel coils, EM and VEM series	Ø 30–120 mm 60 x 60 to 360 x 360 mm (Variable depth)	Mains power supply or Low Frequency Generator	5–225 A	IP44 or better

Customizing with Excellence

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