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Copperjet

CO₂ wire copper coating plant

Copperjet is a high speed copper coating plant for high quality CO₂ welding wire. The plant is normally placed in line with a dry drawing machine, followed by a skin pass.

It is mainly built of Polypropylene plastic and is placed within a stainless steel frame with adjustable feet. The wire is fed straight through the cleaning and coating plant.

No pulleys are used in the plant!

The plant comprises of following sections:

Precleaning section, CANDOJET HW2 cleaning unit

Pickling and activation, bipolar electrolytic high current unit

Two step cascade water rinse

Copper coating section, high speed coating unit

Four step cascade water rinse

Between each treatment section there is a high-pressure airwipe. The cleaning acid, copper solution and rinse water are pumped from the storage tanks up to the treatment sections. Electrical immersion heaters and automatic level controls are installed in the storage tanks.



Copperjet unit

Technical specification

Wire dimension:	Ø 0,8-2,5 mm
Speed:	> 20 m/sec.
Fresh water consumption:	approx. 60 l/h

Dimensions

Length:	8,7 m
Width:	1,4 m
Height:	2,7 m

Installed power

Heaters:	30 kW
Pumps:	6,5 kW
Ventilator:	0,75 kW
Side channel blower:	2,2 kW
Rectifier:	4,0 kVA, 12V/200A
Compressed air:	> 6 bar



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