

# Copperjet

## High speed copper coating of welding wire

The Candor COPPER JET is a high speed copper coating plant for high quality welding wire of various kind, such as CO<sub>2</sub>, FCW and SAW and other copper coated wires. The plant is normally placed in line with a drawing machine followed by a skin pass.

It is mainly built of Polypropylene plastic and is placed on a stainless steel frame with adjustable feet. The plant is modular built and possible to fit your need of wire quality and productivity with optional pre-treatment with Candor patented CANDOJET HW, high speed electrolytic pickling as options.

The plants are available in both straight and loop type versions depending on application.

Typical type of plants are:

- Copper coating of CO<sub>2</sub> wire in-line with wet drawing at 18 (25) m/s
- Copper coating of CO<sub>2</sub> wire in-line with dry drawing at 25-30 m/s
- Copper coating of FCW wire in-line with dry drawing at 25-30 m/s
- Copper coating of SAW wire in-line with dry drawing at 15 m/s
- Electrolytic copper coating of CO<sub>2</sub>, SAW and FCW welding wire in-line with dry drawing at 25-30 m/s



## The plant process sections:

CANDOJET HW - high pressure hot water cleaning - OPTION

High speed electrolytic pickling and activation - OPTION

Two step cascade water rinse - OPTION

High speed copper coating section - STRAIGHT or LOOP TYPE

Three step cascade water rinse - or five step rinse for low water consumption as OPTION

Between each treatment section there are airwipes to remove the liquid from the wire at high speed. The plant is fully automatic with PLC-control system and available with complete ventilation system.

The Candor plants are designed for combination with CANDOR INHIBITOR E-1 ADDITIVE added to the copper bath.

## Technical specification CO2 & FCW wire

Wire dimension:  $\varnothing$  0,6-1,6 mm

Speed: 18-30 m/s

## Technical specification SAW wire

Wire dimension:  $\varnothing$  1,6-5,0 mm

Speed: 15 m/s



### Candor Sweden AB

Box 950, SE 601 19 NORRKÖPING  
Tel: +46 11-21 75 00  
Fax: +46 11-12 63 12  
info@candorsweden.com

### Candor Norge A/S

c/o Candor Sweden AB  
Box 946, S-601 19 NORRKÖPING, Sverige  
Tel: +46 11-21 75 00  
candor.norge@candorsweden.com

### Candor Kemiske A/S

Gunhilds Plads 8, 7100 VEJLE  
Tel: +45 70-25 15 33  
Fax: +45 70-25 15 34  
candor@candordenmark.dk

### Candor OY

Hiojankuja 3, 02780 ESPOO  
Tel: +358 (0)9-819 07 20  
Fax: +358 (0)9-81 19 16  
info@candor.fi