

Single wire plating

High speed wire plating – Nickel, Silver, Tin & Zinc on copper wire

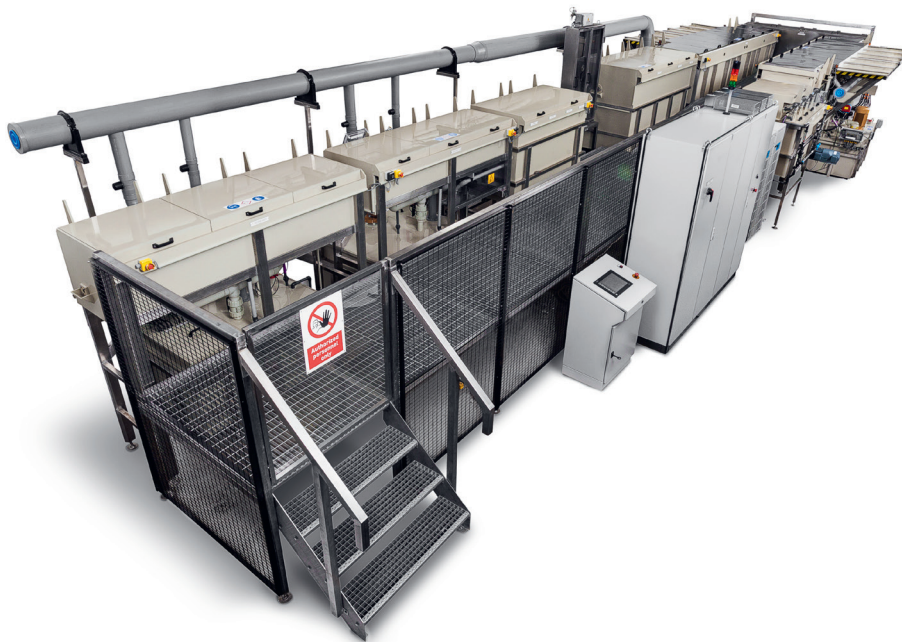
The CANDOR high speed electrolytic wire plating plants are designed with an advanced high current density plating cell where a uniform current distribution to the wire is achieved.

The wire is cleaned and activated with different processes depending on wire material and type of plating.

The wire is looped through the wire degreasing and wire plating over looping pulleys. Motors are used to insure wire tension and a good contact between the wire and the contact roller.

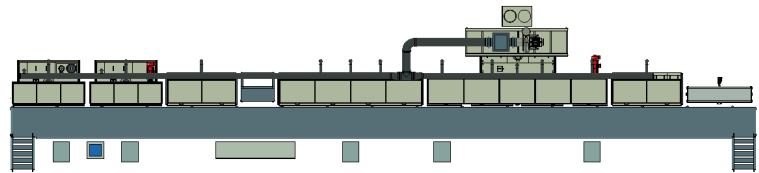
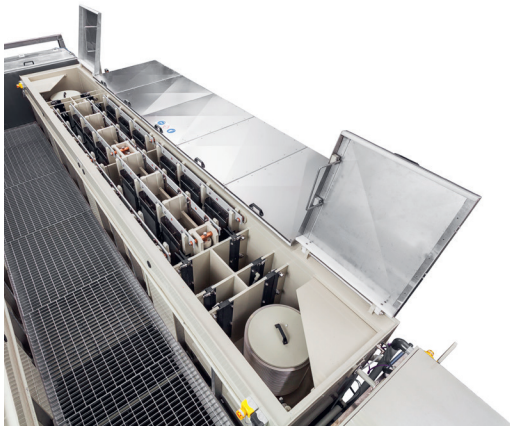
All plants are custom designed to be adapted to the required capacity, wire dimensions, speed and space available. The plant can be placed straight or in a L- or U-shaped layout.

The complete plant is covered and ventilated. A mist separator ensures that clean air is released to the environment.

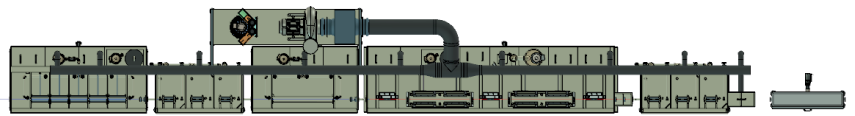


In all CANDOR plants an efficient cascade rinse system with CANDOWIPE air wipes guarantees a low water consumption, low consumption of chemicals and a smaller effluent treatment. The plants are designed to re-use the rinse water directly after a plating process in order to save chemicals and environment. Complete plants can be offered including closed loop on the rinse water as well as suitable wire handling equipment.

The CANDOR single wire plating plants are available in both loop type (fine wire) and straight type (heavy wire) layouts.



Loop type plant - for high speed and fine wires



Straight type plant - for heavier wire dimensions

Technical specification

Wire material:	Copper and copper alloys
Plating material:	Nickel, Silver, Tin & Zinc
Wire dimension:	Ø0,3 - 3,0 mm - LOOP type plant Ø2,0 - 13,0 mm - STRAIGHT type plant
Speed:	< 900 m/min.