

Multi wire galvanizing

Electrolytic galvanizing plant for multi wire applications

The Candor multi wire electrolytic galvanizing plating plant has an advanced design with a high current density plating cell for multiple parallel continuous running wires. The plant can be made according to customer request with suitable number of wires, wire speed etc depending on customer need.

The plant is available with different options of wire pre-treatment steps depending on wire material and wire surface conditions. The plant is using electrolytic wire cleaning and pickling processes with efficient rinsing sections. Between each rinse step a CANDOWIPE will remove excess liquid on the wire surface after each process step. The electrolytic galvanizing process is using insoluble anodes in combination with a zinc dissolving system for a uniform addition of zinc into the solution and less manual work for the operators.

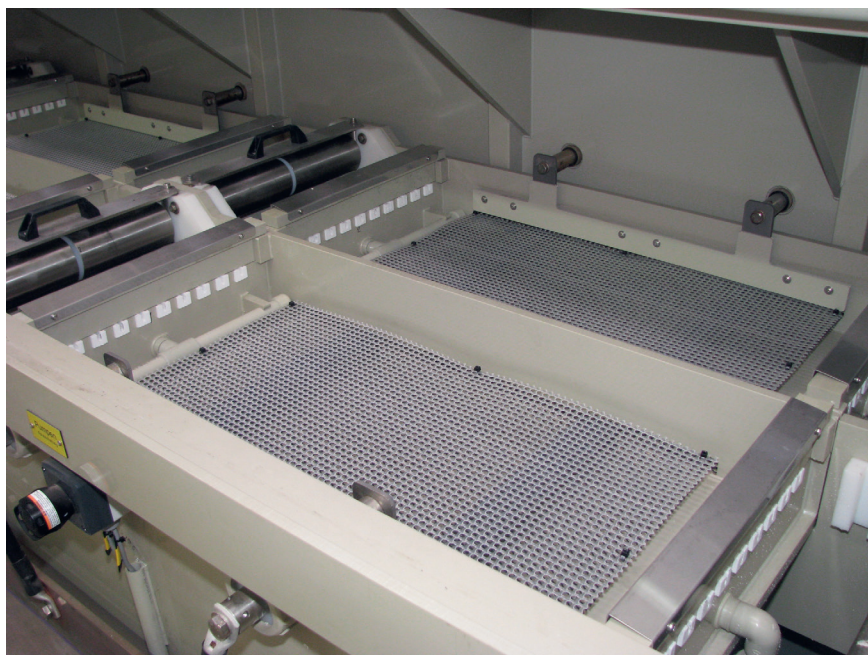
The plant is fully equipped with suitable ventilation system and automatic lids to cover each tank of the plant.



The plant process steps:

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1. Electrolytic degreasing
2. Cascade rinse with airwipe
3. Electrolytic pickling
4. Cascade rinse with airwipe
5. De-smutting and acid activation processes for high carbon steel wires
6. Electrolytic galvanizing
7. Cascade rinse with airwipe
8. Passivation treatment
9. Hot wind dryer



Technical specification

Wire material:	Carbon steel
Wire dimension:	Ø1-5 mm -depending on customer request)
Wire speed:	0,5-2 m/s -depending on customer request and coating thickness
Zinc coating:	1-7 micron - depending on customer request