

Electrolytic – Single & Multi wire cleaning

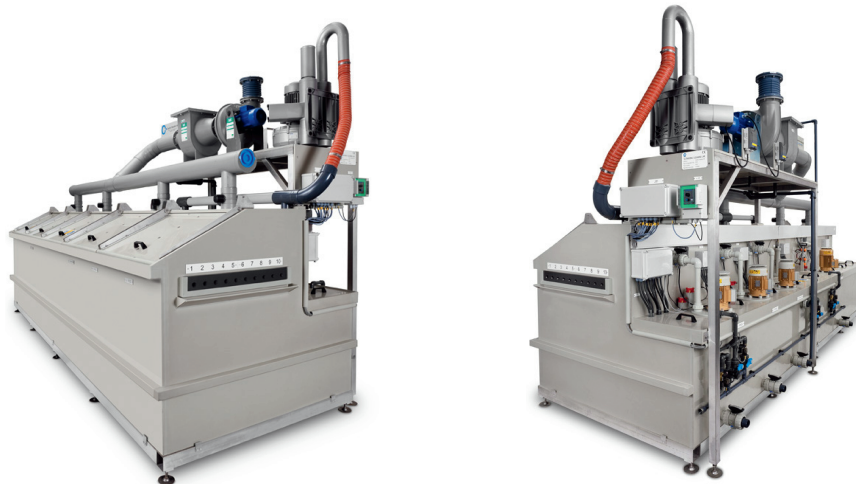
Our multi wire cleaning plant cleans the wire very efficiently with a well-proven bipolar electrolytic process.

The plant can be used with alkaline, acidic or neutral processes. The alkaline process is used mainly to remove drawing lubricants from the wire. A typical installation is in front of an annealing furnace. The acid process is intended for removal of oxides and lubricants.

Typical installations are in front of a plating process or after patenting. After degreasing, the wires are rinsed in an efficient multi-step counter flow cascade rinse system. All rinsing sections are equipped with our designed airlift pumps with no moving parts. This contributes low maintenance costs and trouble free operation. Between each treatment step are our patented airwipes, the “Candowipes”. This kind of airwipe reduces the excess of liquid and decreases the consumption of water and chemicals. At the in- and outlet and between each cell, there are dividing guides of wear resistant plastic. As all our plants, it is totally covered and ventilated. A mist separator ensures that clean air is released into the environment.

All plants are custom built to be adapted to the number of wires, wire dimensions, speed and space available.

The wastewater generated in the degreasing process can then be treated on site and discharged.





View of cleaning plant.



Single wire degreasing.

Technical specification

Wire dimension: \varnothing 0,3-12,00 mm

Wire material: Low and high carbon steel, stainless steel, copper and copper alloys

Speed: Multi wire >300 m/min, Single wire <20 m/s

Residuals removed: Dry lubricant soap (calcium and sodium), oil and emulsion