



OTOMECH

CLEANING AND PLATING PLANTS



for wire strip tube bars

A large industrial machine in a factory setting, used for producing wire. It features a blue frame and a large spool of orange wire.

wire

A large industrial machine in a factory setting, used for producing strip. It features a blue frame and a large spool of orange strip.

strip

A large industrial machine in a factory setting, used for producing tube and bars. It features a blue frame and a large spool of orange tube and bars.

tube bars

About as

Here at Otomec we are specialists into Engineering and Manufacturing of equipment for the cleaning and electro plating of metallic wire, strip, coil, bar and tube. Otomec is now a leading company that design, produce and set up all sizes of plants on a "Turn Key Basis" for different output and products in a continuous process, reel-to-reel, coil-to-coil, bar-to-bar.



Customers are our partners: we satisfy their request with all-round supply of machines, galvanic components, electronic control of the process and environment protection. Since more than hundred years in business the Rusconi Family and their OTO Trade Mark represent a solid reference in the field.

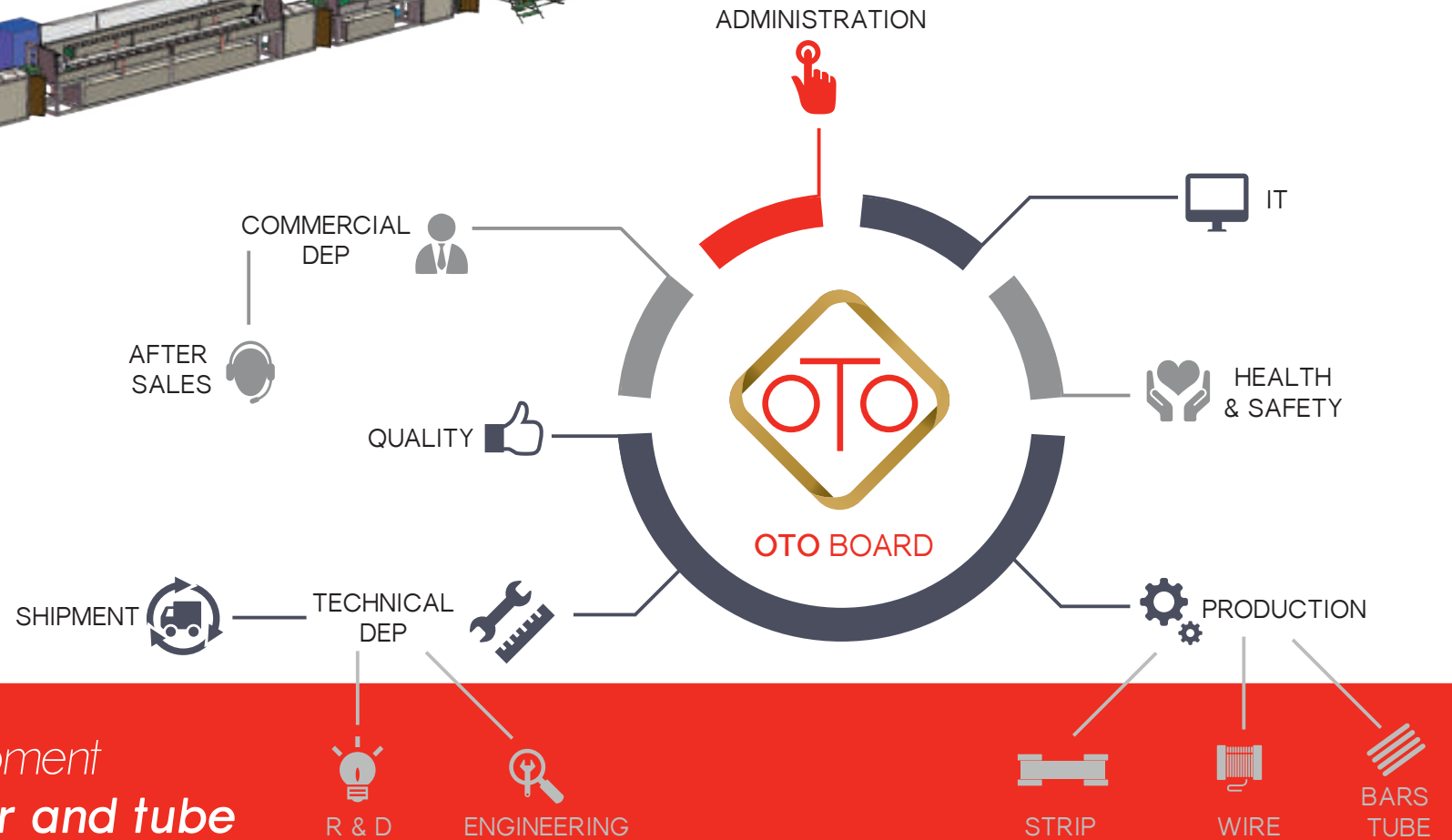
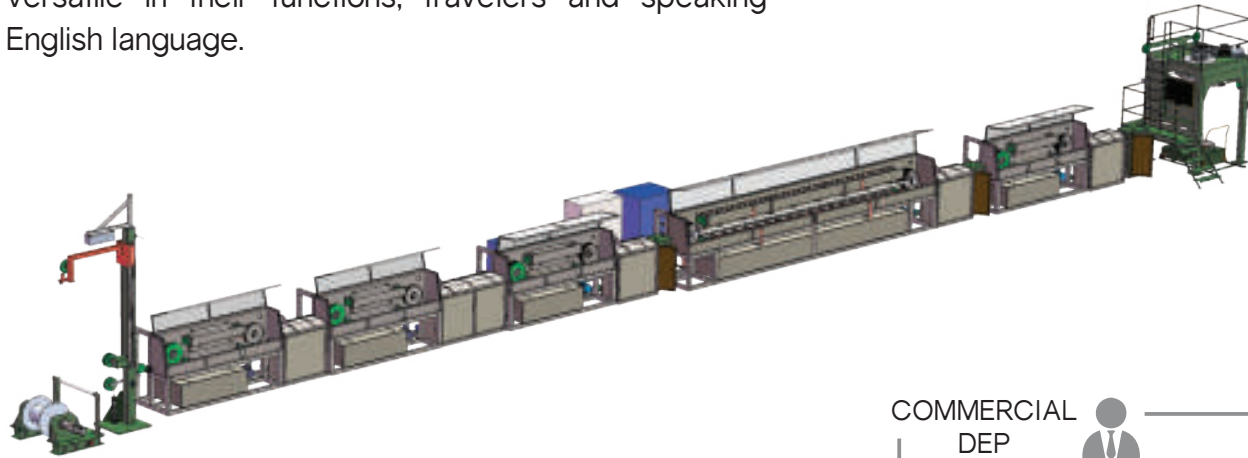
*Otomec is specialized into engineering
for the cleaning and plating of*

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History and Team

Even if Family business was set up so long ago, through the years the Company employed and trained technicians which are open minded, skilled, dynamic, versatile in their functions, travelers and speaking English language.

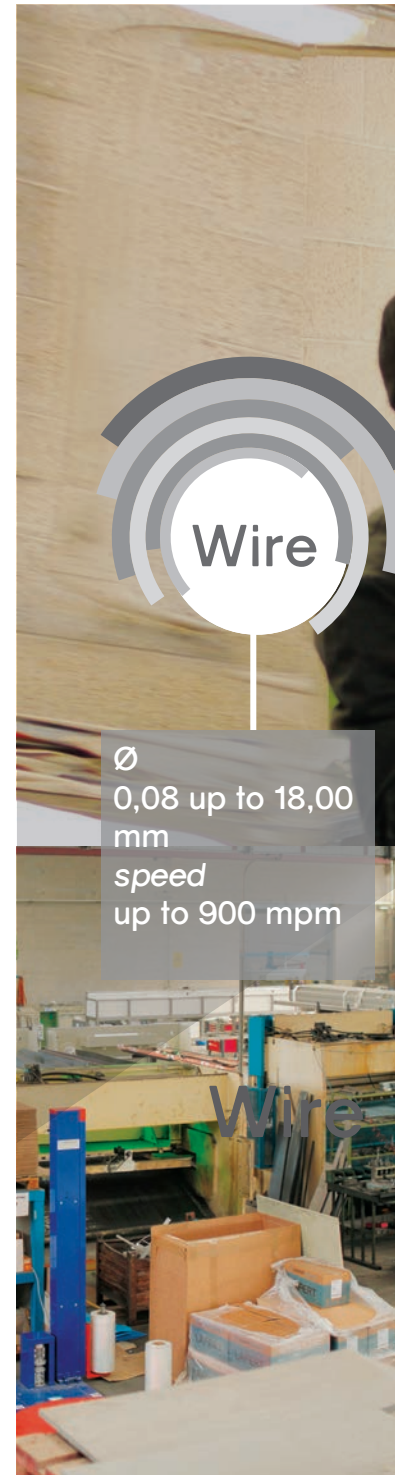
99%
**Customized
lines**



ring and manufacturing of equipment
metallic wire, strip, coil, bar and tube

Otomec - A global player - Simply the world

Taylor made in Italy, intended for a global market. Our experience into surface treatment is confirmed by the number of plants and technology supplied worldwide to the industry manufacturing: special power and high frequency cable, superconductors, automotive parts, fine pipes, aerospace conductors, aircraft industry welding and staple wires, fasteners and forming parts.





Expertise and technology

OTO invest significant resources in quality control process and continuous improvement by internal laboratory and external international galvanic partners. In OTO each plant is designed as a new project and customized to comply with specific customer's requirements. The OTO engineering team covers the complete design of machine parts and galvanic technologies. Electroplating is a process that uses electrical current to reduce dissolved metal cations so that they form a coherent metal coating on an electrode. Electroplating is primarily used to change the surface properties of an object (e.g. abrasion and wear resistance, corrosion protection, lubricity, aesthetic qualities, conductivity, etc.). Concentricity of deposition, uniformity, adhesion, high speed plating, pH, replenishments and accurate current control are KEY FACTORS of our technology.

Some of most common metal plating are:

- » Tin, to increase solderability or corrosion protection during vulcanization
- » Zinc, to improve corrosion resistance on steel or speed into EDM brass cutting wire process
- » Nickel for temperature and insulation properties
- » Copper on Aluminium or Steel to increase conductivity
- » Silver highest corrosion protection and high frequency conductivity for aerospace aircraft cable
- » Gold and Palladium for special connectors

Some special alloys can be obtained only through an electrolytic process. In example **zinc-nickel** alloy has higher corrosion resistance compared to pure zinc, **brass alloys** with high content of Zinc.



Products

OTO'FF LINE

Most versatile machine for wire plating from 0,08 mm up to 3,60 mm available on wide range of performances with speed up to 900 mtm and thickness up to 25 micron



⌘ Eco plater



⌘ Mini plater



⌘ Brass Strip 150



⌘ Multi purposes



⌘ Multi plater



⌘ Micro plater EDM Zinc



⌘ Steel Strip 150



⌘ High speed



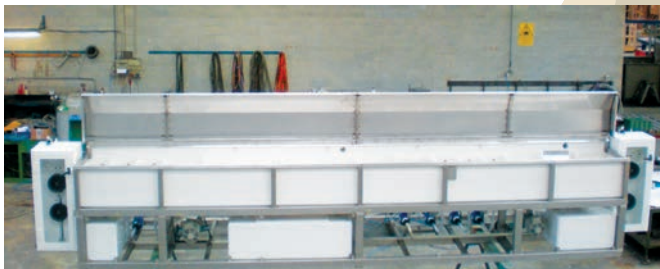
⌘ Micro plater copper + zinc



⌘ Pico plater silver cy-less



⌘ OTO Bar



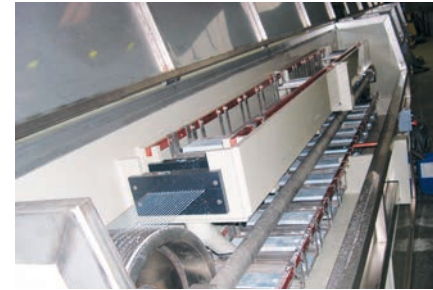
⌘ Shiroi OTO pocket



⌘ Steel Strip 300



⌘ Steel Strip 400



⌘ OTO 4 zinc nikel



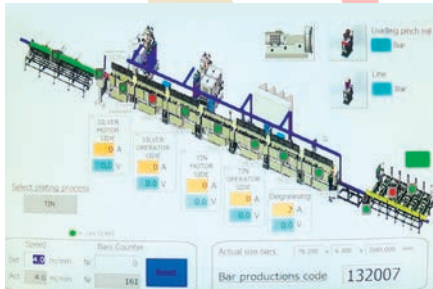
⌘ OTO 4 flat wire

REEL-TO-REEL

For Flat Products
Continuous degreasing,
pickling, electro plating of
Steel, Brass, Zinc, Copper,
Aluminium, Silver strip, zinc
plating of steel chains and tin
selective of connectors

OTO 4 LINE

Heavy duty machine for wire
plating from 1,40 mm up to
8,00 mm available on wide
range of performances



⌘ OTO Bar

OTO BAR

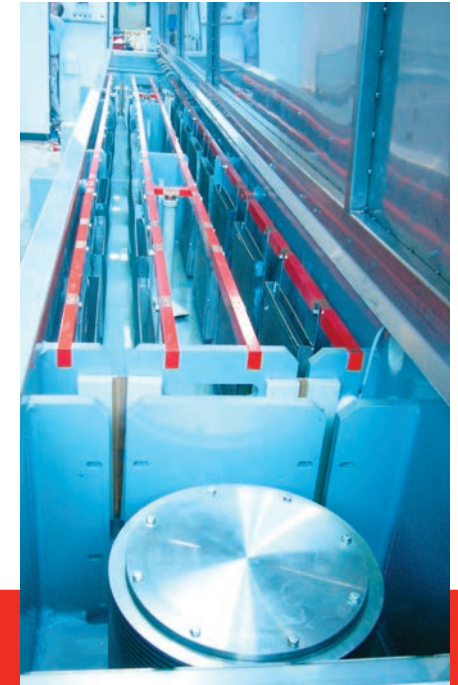
Bars and tubes cleaning and plating.
Sequential multi plating and finishing
treatment zinc on threaded bars



⌘ OTO Bar



⌘ OTO 4 multi plater



⌘ OTO 4 VE

ACCESSORIES

Ancillary equipment to complete the Lines ranging from Environmental plants to Pay-off, Take-up and quality control instruments



Multi wire - take up

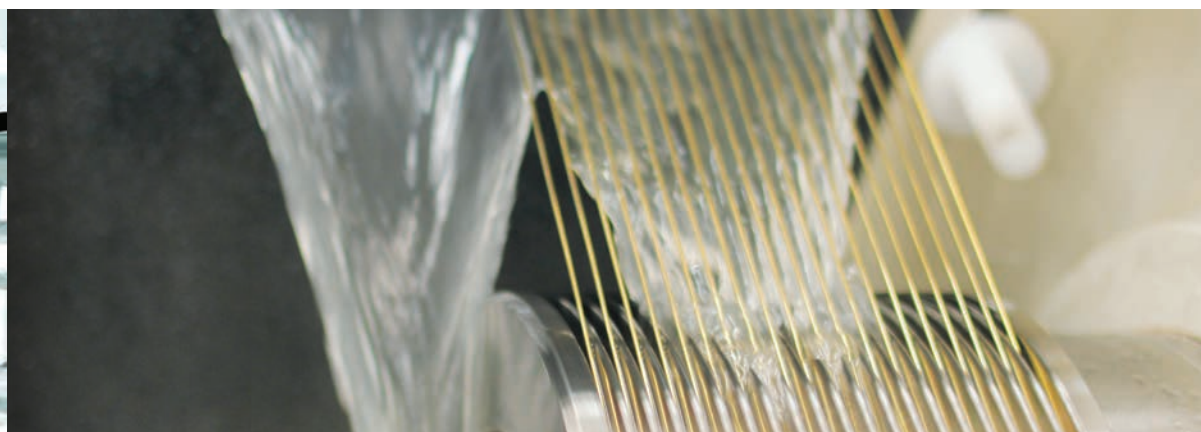
Multi wire - take up



Environmental water air filter recycling



Take up coiler



Since more than hundred years in business the Rusconi Family and their OTO Trade Mark represent a reference in the field.





⌘ OTO 5

OTO INLINE

Electro pickling and coating of wire rod in line with drawing machine or customer equipment for sub arc welding wire, high speed zinc plating, CO2 welding wire



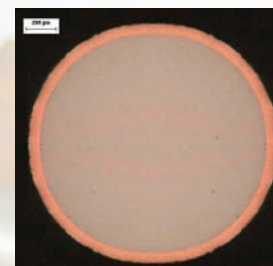
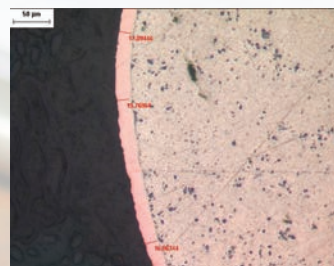
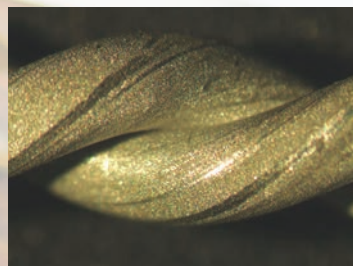
⌘ OTO 5 Sub Arc

Innovation and quality

Our R & D department work in close partnership with Scientific Institutes and Universities for improving, innovating, discovering new opportunities for our technology.

OTO's rigorous quality control policy covers every design and production stage, from the inspection of incoming materials and the checking of individual components to final performance testing and after-sales service.

Before delivery, all the plants are manufactured installed and tested at our facility. Performances are achieved under production condition. Customer's technicians assisted into a complete training stage. High quality product is the result of: perfect cleaning – adherent, uniform, concentric deposition – high galvanic efficiency – low volumes of chemical – low operating costs – safe environmental impact.



Environmental care

The beauty of the mountains and lake where we leave deserve our respect and protection. Otomec design equipment with high performances but small quantities of chemical, safe containers, special air wipes and cascade rinses minimize losses for carry out. Rinse waters are completely filtered and recycling continuously into our plants.

Vapors are collected and filtered. Sludge is concentrated to small volumes by evaporator. Continuous research into new products replacing Chrome 6, Silver Cyanide, tin fluoborate.



High quality product



High galvanic efficiency



Low operating costs



Perfect cleaning
adherent, uniform,
concentric deposition



Low volumes of chemical



Safe environmental impact





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OTOMEC
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