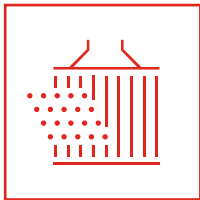


Automatic washing cells and tunnels

EuroTHERM
SINCE 1958
PAINTING INSTALLATIONS





Automatic washing cells and tunnels

This type of washing system is **the most used solution** in the world of industrial washing **when a high production rate is required**.

They are **all made of stainless steel** to ensure **maximum resistance from the chemicals liquids** and to increase the longevity of the machinery.

STRENGTHS

- The minimisation of contamination between the baths of each phase.
- Optimisation of the chemicals used.
- No dispersion of chemical products in the sewer with consequent reduction of the environmental impact.

The tunnels and washing cells are designed to perform surface treatment of the pieces involving **up to 6 phases**:

- **1st Phase:** degreasing with hot phosphodegreasing solution (50/60°C).
- **2nd Phase:** first rinse with mains water.
- **3rd Phase:** second rinse with mains water.
- **4th Phase:** rinsing with recirculated reverse osmotic water.
- **5th Phase:** pure reverse osmotic water.
- **6th Phase:** nanotechnological passivation.

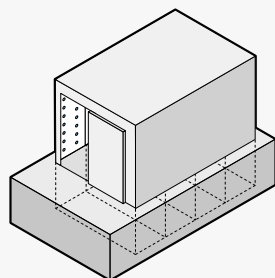
For **each washing phase** there is a **dedicated accumulation tank** which feeds the spray nozzles in a continuous and automatic cycle by means of a reverse cascade.

Inside the **multi-metal washing cell** it is possible to carry out **two different pre-treatment processes** based on the type of material to be treated.

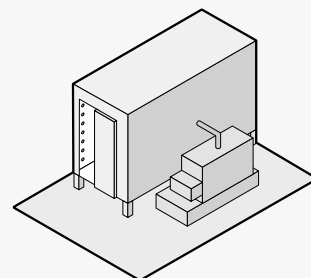
For example, it is possible **to pre-treat steel or aluminium**, each with its own **dedicated washing cycle**. The cell is in fact designed in such a way as to **limit as much as possible the risk of contamination** of liquids during the rinsing phases.

AUTOMATIC CELLS AND TUNNELS

They are designed to operate with hot degreasing with the pieces **in continuous movement, thus combining chemical, thermal and mechanical action**, to guarantee excellent results and to eliminate all traces of impurities or residual dirt.



➤ **Washing cell with civil works**
Hot degreasing, 2 rinses, reverse osmosis + passivating rinse



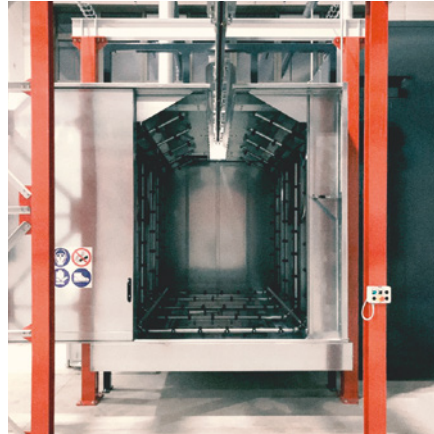
➤ **Washing cell without civil works**
Hot degreasing, 2 rinses, reverse osmosis + passivating rinse



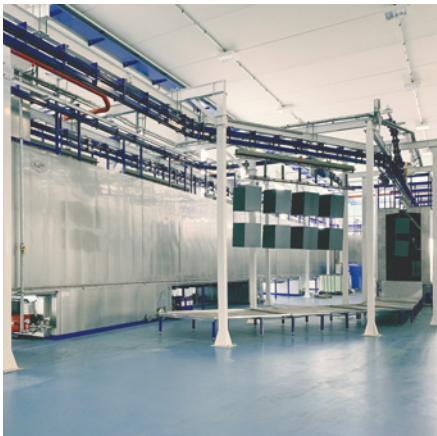
➤ Automatic washing cells



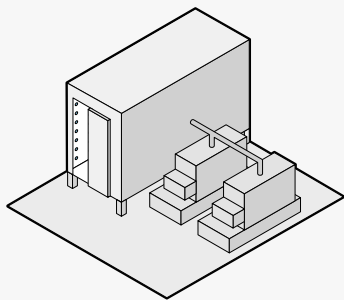
➤ Multi metal washing cell



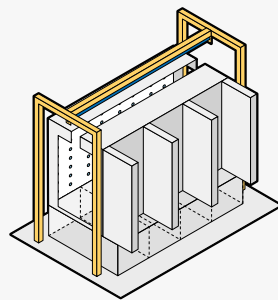
➤ Ecojet washing cells



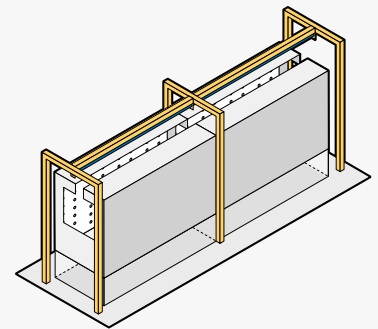
➤ Automatic washing tunnels



➤ **Multi metal washing cell for steel + aluminium** equipped with double tanks to perform two separate washing processes



➤ **Step-by-step washing tunnel**
Hot degreasing, 2 rinses
+ reverse osmosis rinse



➤ **Step-by-step washing tunnel**
Hot degreasing, 2 rinses
+ reverse osmosis rinse



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For the Italian and international market we design, build and install painting systems, overseeing every phase of the industrial process.

From pre-treatment operations, such as washing and shot blasting, to the final finishing process: **the Eurotherm systems apply the most efficient and technological processes, to ensure a constant high-level result.**



SHOT
BLASTING



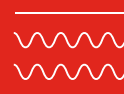
WASHING



LIQUID
PAINTING



POWDER
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CURING