



**Fully automated anodizing lines  
for aluminium extrusions**

# Concept



Take a look at  
The Automated  
Anodizing Line in  
action!



The anodic oxidation system makes the treatment of aluminium profiles possible by means of immersion of the same profiles, hooked on hangers and support bars, in the treatment tanks.

A suitable handling system (cranes, transfer carriages, loaders) manages the loading of aluminium profiles by the various stages.

The "recipe" assigned to each bar to be anodized describes not only the type of treatment to be performed (cycle), but also the time spent in each stage and the manner of execution of each transfer between one tank and the other.

The activity of the moving parts is programmed from a supervising PC that communicates with the remote PLCs of each machine.

Machines and system equipment are also monitored and controlled by the software installed on the supervising PC; the operator can check the status of the system and all its operations in real-time directly from the PC monitor.

# SAT Automated Anodizing Lines

## ADVANTAGES

### **ENHANCED REPEATABILITY**

of the process parameters, and, consequently,  
**MUCH HIGHER PRODUCTIVE AND QUALITATIVE STANDARD**  
than a manual or semiautomatic plant

### **REDUCTION OF BATHS CONTAMINATION**

## **ADVANTAGES**

### **OPTIMIZATION**

of the dosing of chemical products and constant  
**MONITORING AND THERMOREGULATION**  
of the process tanks

Significant **REDUCTION IN LABOUR COSTS**  
for the system management and  
**CONSTANT RESULTS** in  
thickness of oxide layer and in  
alternative finishings



# SAT Automated Anodizing Lines

## ADVANTAGES

**CUSTOMIZED  
SUPERVISION SOFTWARE**  
included

**ECO-FRIENDLY AND  
ENERGY SAVING**  
advanced solutions

**HIGH QUALITY  
MECHANICAL  
COMPONENTS**

**SPECIALIZED &  
WORLDWIDE  
TECHNICAL ASSISTANCE**


## ADVANTAGES

### **WIDE RANGE OF FINISHINGS**

achieved with mechanical pre-treatments,  
**COLORING, ELECTROCOLORING  
AND SPECIAL TECHNOLOGIES**



# SAT Automated Anodizing Lines ADVANTAGES

**TURNKEY**   
ANODIZING LINES

**40 +**   
ANODIZING LINES  
SOLD WORLDWIDE

## ADVANTAGES

Possibility to **SWITCH** at any time from **FULLY AUTOMATIC TO MANUAL TO SEMI-AUTOMATIC OPERATING MODE**

Implementation of **SAFETY** by inserting **PROTECTIVE FENCES AND INTERLOCKED GATES** in specific areas of the line





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