EUROIMPIANTI
coating lines

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# EUROVERTICAL

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coating lines

## OUR HISTORY

We are an **Italian company** with **more than 40 years of experience** in the design and construction of **systems for coating** any metal surface.

After serving the needs of the Italian market, in the 1980s we began exporting our first coating systems to Europe, thus establishing our **ever-growing presence in the international market** as well.

At the same time, we enhanced our **close-knit Company management** with **highly skilled technical and sales professionals**.

Our group currently consists of over **80 employees** and **thousands of systems installed worldwide**.

We rely upon **production plants**, **sales offices** and **exclusive distributors** located in strategic commercial areas to offer an **attentive and complete service** to customers in **every country**.

For us, **our Company is like a family**, where **respect** for people, **environmental awareness**, and bold foresightedness are **fundamental principles**.

## HOW WE WORK

We take care of each and every discrete project phase: **sales**, **consultancy**, **executive development**, **production**, **installation** and **testing**.

A **dedicated staff** approaches each project according to **our construction philosophy** of **modularity** and **flexibility**.

We applied the **serial production** logic to the individual components of our equipment, in order to build **functional systems** that are **optimally customized** to every **customer's discrete needs**.

Our work does not end with the delivery of the system. We **establish a lasting and continuous relationship** with customers, providing them with the best **after-sales assistance**:

- **maintenance**
- **technical advice**
- **supply of spare parts**
- **staff training**

DEDICATED ASSISTANCE

INTERNATIONAL WARRANTY

ENVIRONMENTAL SUSTAINABILITY

RESEARCH AND DEVELOPMENT

TRAINED LOCAL STAFF

## EUROVERTICAL

The vertical system for coating extruded profiles, ideal for obtaining maximum quality and productivity.

## EURO90

The automatic and flexible solution that can be customized according to production needs and piece size.

## KOMBY

The manual and flexible system, ideal for coating small batches of any size and shape.

## EUROCAR

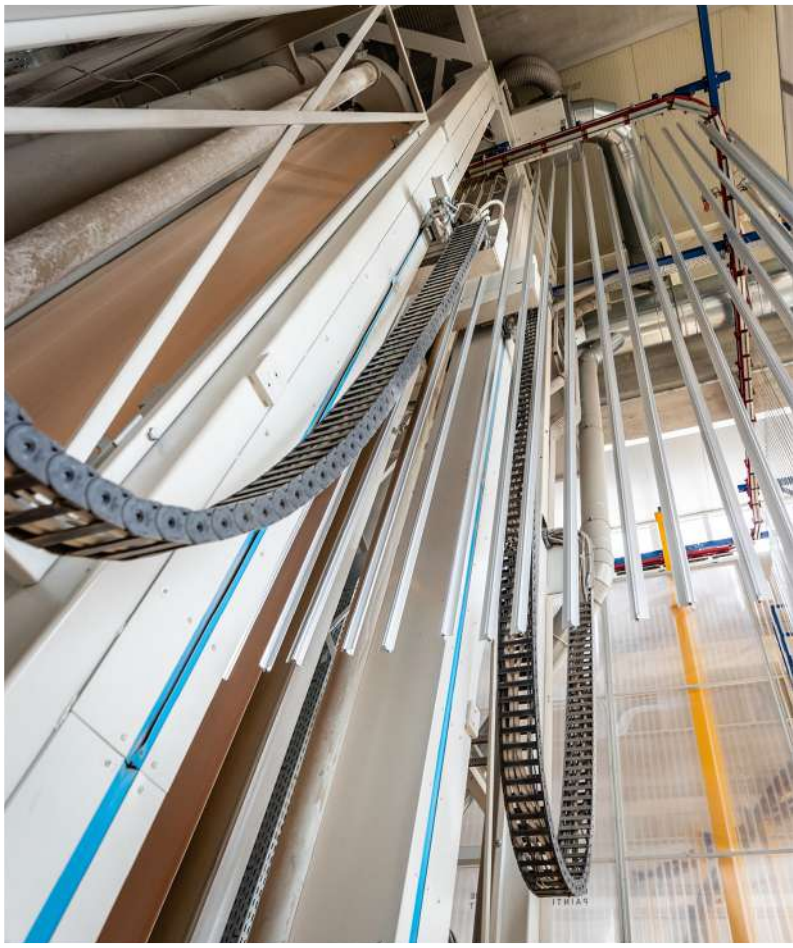
The step coating system, optimized for handling of heavy and bulky items.

## EUROHORIZONTAL

The coating system equipped with a Power & Free conveyor to make the best use of the available space.

## EUROCOMPACT

The compact solution consisting of a powder coating booth and a polymerization oven.



# PROCESSING CYCLE

### LOADING AREA

Profiles are loaded onto a bench where operator perforate and hang them to the conveyor when profiles are horizontal.

### GRAVITY CASCADE PRE-TREATMENT

Profiles are pre-treated while hanging vertically by applying a gravity cascade process. The 100% stainless steel tunnels equipped with cascades ensure excellent surface preparation quality, efficiency, and ultra-low energy consumption.

### DRYING IN OVEN

When the washing stage is completed, the profiles are conveyed through a drying oven. The oven features air curtains that are perfectly sized to contain heat.

### COATING APPLICATION

The Diamond powder coating booth features a symmetric design in every detail, ensures total versatility, and control over the coating applied. The coating area is suitable for profiles of any size and shape.

### POLYMERIZATION IN OVEN

Polymerization occurs inside the oven where air recirculation and temperature are kept constant and controlled by a dedicated combustion chamber and fans.

### COOLING

Once the process is completed, the profiles are brought by the peg descender back to a horizontal position and are conveyed to the unloading area, ready to be stored.

# ACCESSORIES

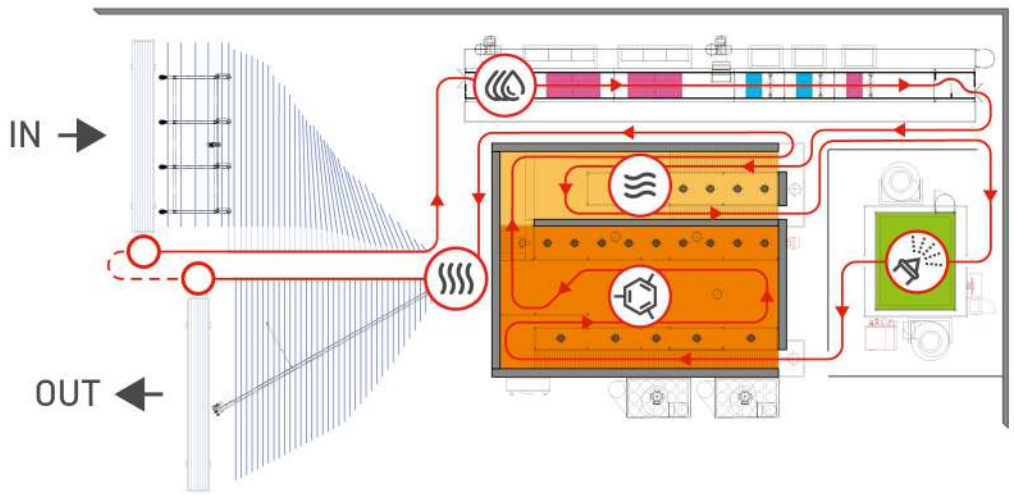
### AUTOMATIC WRAPPING MACHINE

### DESCENDER FOR LARGE PROFILES

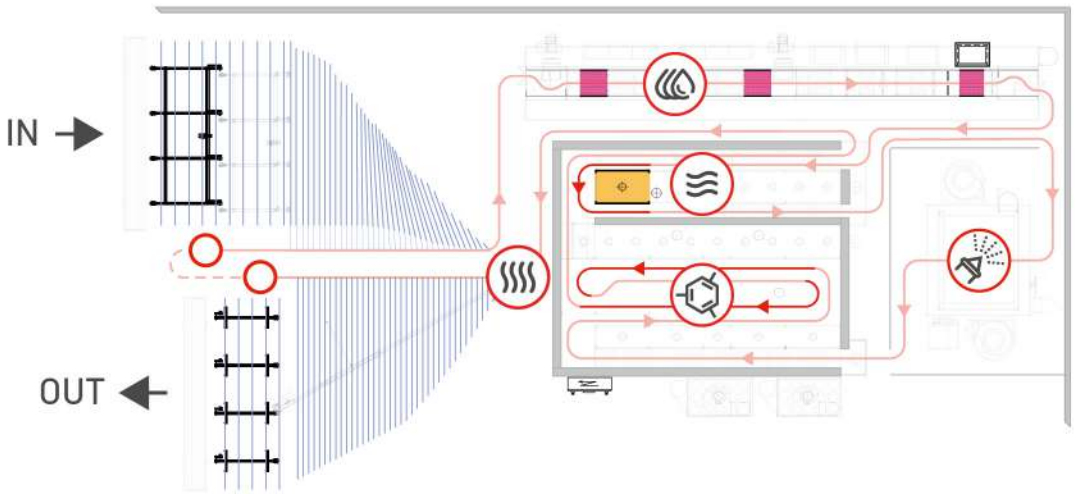
### IN-LINE BRUSHING MACHINE

# SPEED-UP SOLUTION

INITIAL INSTALLATION (PRODUCTION: 0.75 M/MIN)




UPGRADE IN 48 H (PRODUCTION: 1.5 M/MIN)




## STRENGTHS

QUICK COLOUR CHANGE

MODULAR SOLUTIONS

ENERGY SAVING

RAW MATERIAL QUALITY

## PROFILES COATED/HOUR NON-STOP WORK. NO INTERRUPTIONS!

| EUROVERTICAL | SUSPENSION PACE | | |
|---|---|---|---|
| SPEED | 100 mm | 133 mm | 200 mm |
| 0,75 m/min | 450 | 330 | 225 |
| 1 m/min | 600 | 450 | 300 |
| 1,5 m/min | 900 | 670 | 450 |
| 2 m/min | 1200 | 900 | 600 |

## OVERHEAD CONVEYOR LOAD CAPACITY

R37 80 kg/m

R45 150 kg/m

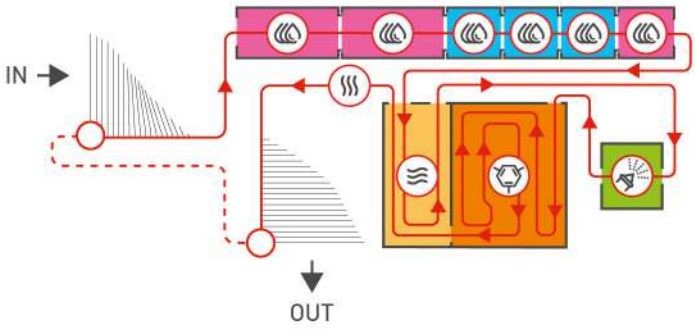
R52 250 kg/m

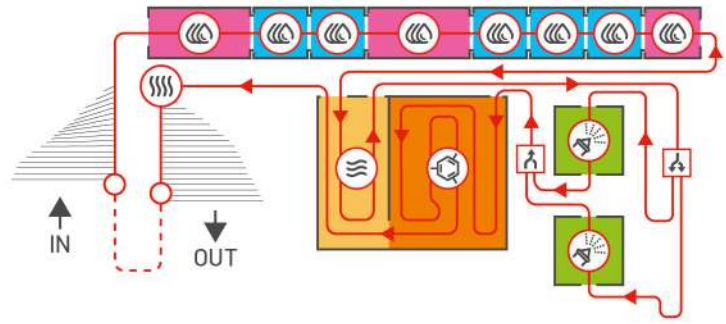
# EXAMPLES OF OTHER CONFIGURATIONS

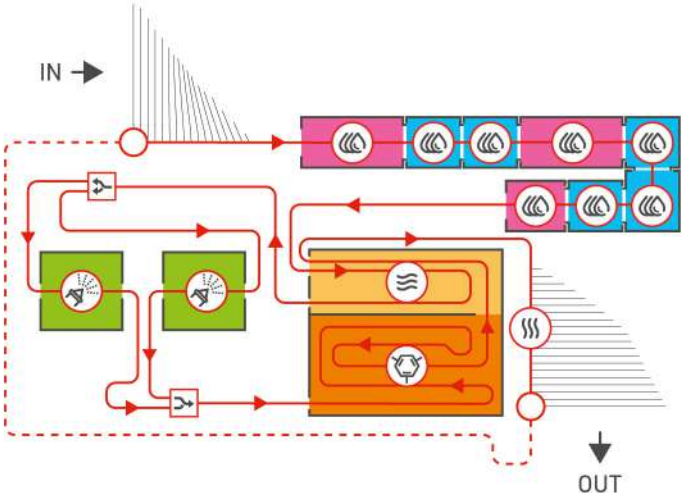
The **modular construction** allows customizing our standard solutions **for different uses**, needs and **production spaces**.

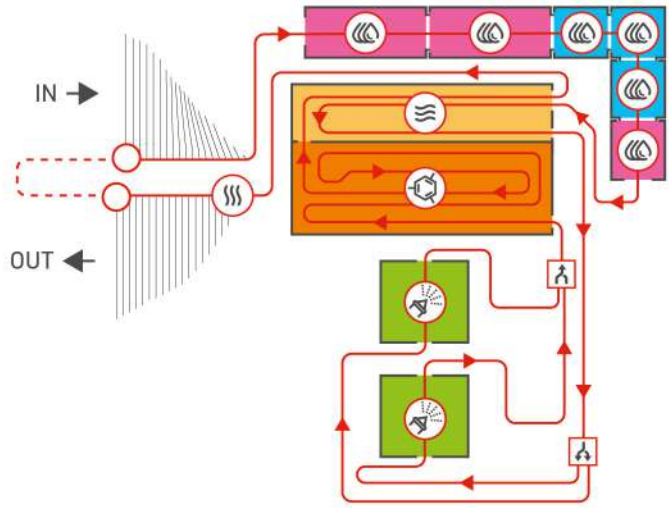
Here are some possible variants.

- ACTIVE STAGES
- POWDER COATING BOOTH
- WASHING STAGE
- POLYMERIZATION OVEN
- DRYING OVEN



**BRAZIL**
Euroimpianti do Brasil LTDA / Balneário Rincão SC / phone +55.48.34432725

**GERMANY**
Euroimpianti Deutschland GmbH / Donaueschingen / phone +49.771.921440

**SPAIN**
Euroimpianti SL / Vallirana (BCN) / phone +34.938.325083

**USA**
Euroimpianti USA LLC / Miami / phone +1 954-673-0569

www.euroimpianti.com

**EUROIMPIANTI SRL**
Via Cavour, 44 37067 Valeggio sul Mincio (VR) ITALY
phone +39.045.7950777 / info@euroimpianti.com