EUROIMPIANTI
coating lines

KOMBY / COATING MADE SIMPLE

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coating lines

OUR HISTORY

We are an **Italian company** with **more than 45 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

KOMBY

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

EURO**90**

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

EURO**CAR**

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

EURO**VERTICAL**

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

EURO**HORIZONTAL**

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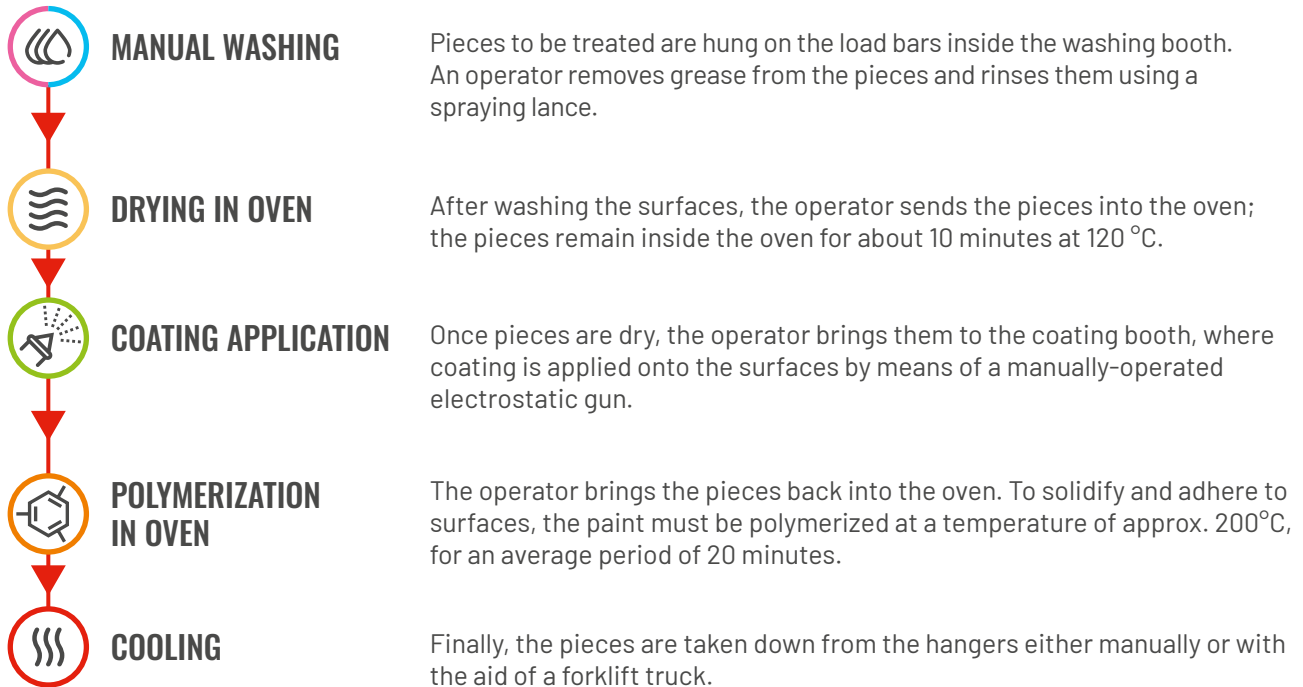
EURO**COMPACT**

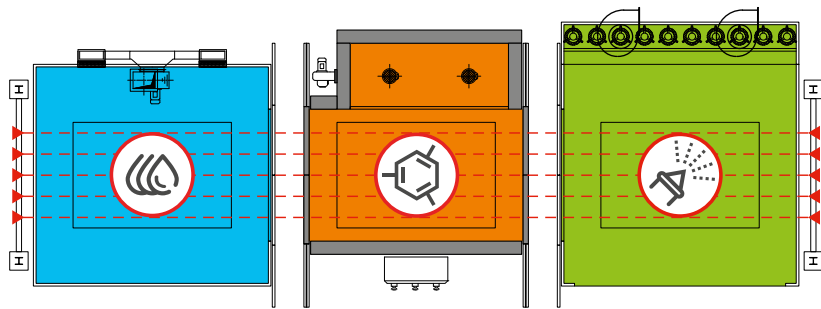The compact solution consisting of a powder coating booth and a polymerization oven.
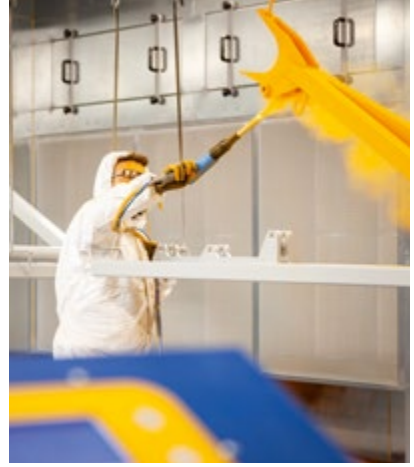
PROCESSING CYCLE

The **KOMBY** manual line is a system **conceived for coating parts of any size, shape and colour**.
The modular design concept is fully applied and realized in this system.

MANUAL WASHING

Pieces to be treated are hung on the load bars inside the washing booth. An operator removes grease from the pieces and rinses them using a spraying lance.

DRYING IN OVEN

After washing the surfaces, the operator sends the pieces into the oven; the pieces remain inside the oven for about 10 minutes at 120 °C.

COATING APPLICATION

Once pieces are dry, the operator brings them to the coating booth, where coating is applied onto the surfaces by means of a manually-operated electrostatic gun.

POLYMERIZATION IN OVEN

The operator brings the pieces back into the oven. To solidify and adhere to surfaces, the paint must be polymerized at a temperature of approx. 200°C, for an average period of 20 minutes.

COOLING

Finally, the pieces are taken down from the hangers either manually or with the aid of a forklift truck.

STANDARD CONFIGURATION

The **standard configuration** of a KOMBY system consists of a full **washing, drying, coating, and polymerization treatment process in a compact footprint**. The system of load bars onto which the pieces are hung facilitates handling the pieces from one stage of the process to the next. Taking the standard configuration as a basis, **productivity can be enhanced** by **adding** other **modules** or **increasing the size** of the components being used.

KOMBY STANDARD	AVAILABLE PASSAGE		MAXIMUM PIECE CLEARANCE REQUIREMENTS			IDEAL ROOM SIZE		
	W (mm)	H (mm)	W (mm)	L (mm)	H (mm)	W (m)	L (m)	H (m)
KOMBY 2000	2500	3250	2000	2000	2000	5,3	11,5	5
KOMBY 4000	2500	3250	2000	4000	2000	5,3	17,5	5
KOMBY 6000	2500	3250	2000	6000	2000	5,3	23,5	5
KOMBY 8000	2500	3250	2000	8000	2000	5,3	29,5	5
KOMBY 10000	2500	3250	2000	10000	2000	5,3	35,5	5

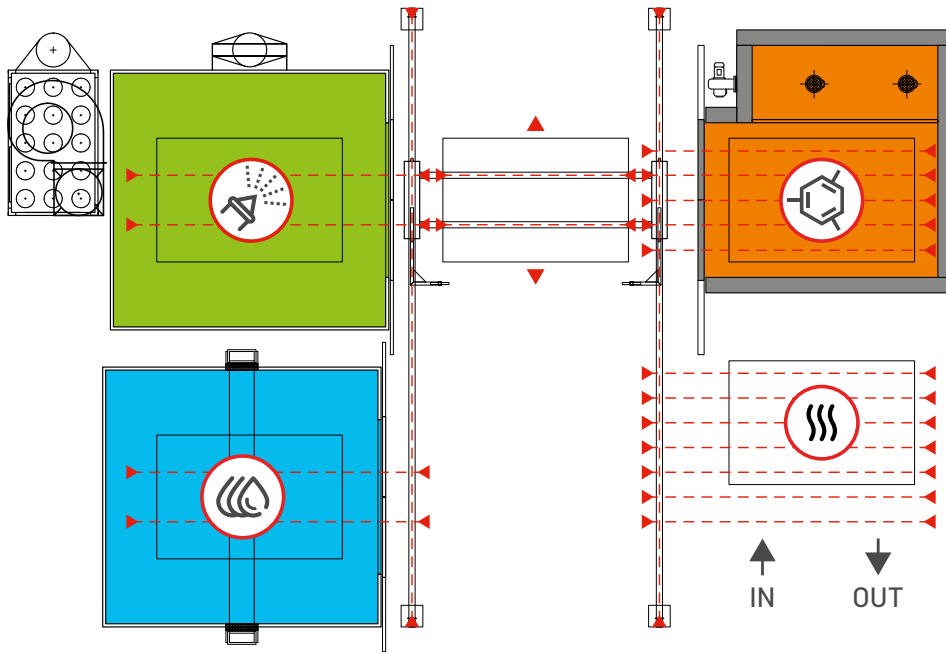## STRENGTHS

COMPACT SYSTEM

MODULAR SOLUTIONS

FLEXIBILITY

QUICK INSTALLATION

MULTILINE CONFIGURATION

The KOMBY Multiline systems include a central overhead bridge conveyor, and a dedicated loading/unloading area. If other modules are integrated to this process, such as a pre-treatment spray tunnel, automatic powder coating booths, this equipment ensures total flexibility to work plus a quality check of the finishes.

IN   OUT

KOMBY MULTILINE	AVAILABLE PASSAGE		MAXIMUM PIECE CLEARANCE REQUIREMENTS			IDEAL ROOM SIZE		
	W (mm)	H (mm)	W (mm)	L (mm)	H (mm)	W (m)	L (m)	H (m)
KOMBY 2000	2500	3250	2000	2000	2000	10	11	5
KOMBY 4000	2500	3250	2000	4000	2000	10	17	5
KOMBY 6000	2500	3250	2000	6000	2000	10	23	5
KOMBY 8000	2500	3250	2000	8000	2000	10	29	5
KOMBY 10000	2500	3250	2000	10000	2000	10	35	5

ACCESSORIES

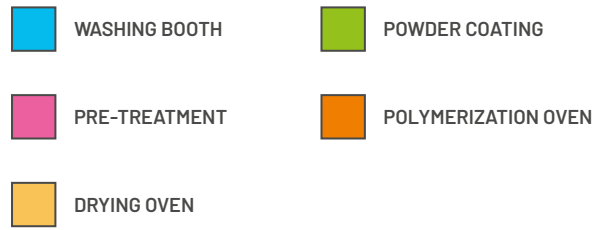AUTOMATED OVERHEAD BRIDGE CONVEYOR
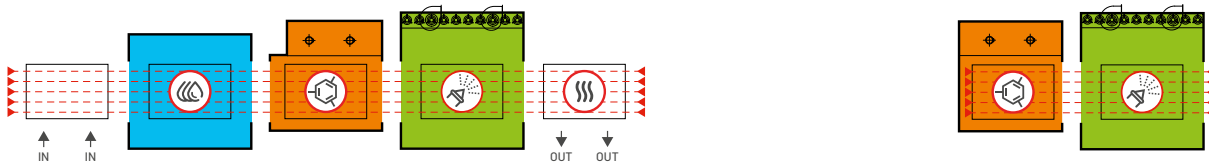
LOADING/UNLOADING DESCENDERS

MONITORING SOFTWARE

EXAMPLES OF OTHER CONFIGURATIONS

The **modular construction** allows customizing our standard solutions **for different uses**, needs and **production spaces**.
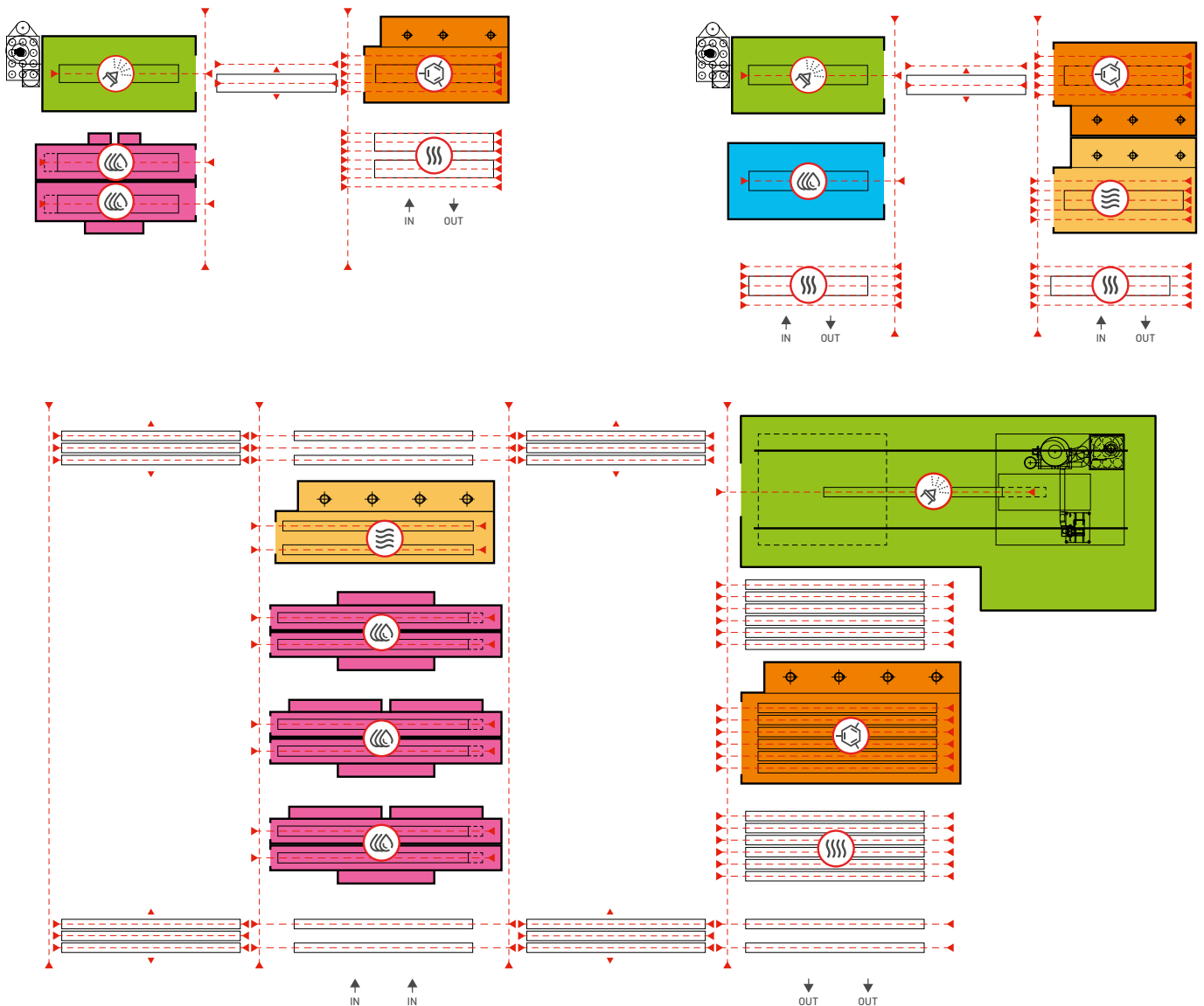
Here are some possible variants.

🟦 WASHING BOOTH	🟩 POWDER COATING
🟥 PRE-TREATMENT	🟧 POLYMERIZATION OVEN
🟨 DRYING OVEN	

STANDARD CONFIGURATIONS

IN   IN

OUT   OUT

MULTILINE CONFIGURATIONS

IN   OUT

IN   OUT

IN   OUT

IN   IN

OUT   OUT

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