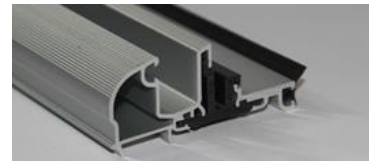
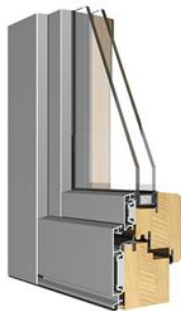


Application Success Stories

Finally many color changes in one day!

europrofil
SISTEMI PER SERRAMENTI



Powder saving

Improved Productivity

Fast Color Change

Application Success Stories

Installation Key Data

Parts: Aluminum profiles

Parts size: H 2'000 mm
W 300 mm

Conveyor speed: 2 m/min

Scope of delivery:

- 1 x MagicCompact® EquiFlow®
- 1 x Cyclone with high-efficiency powder recovery
- 1 x Filter system with 16'000 m³/h
- 1 x MagicControl 4.0 with integrated Industry 4.0 and GemaConnect®
- 2 x Reciprocator ZA07-18 + XT10
- 1 x OptiCenter® OC08 powder management center (injector technology)
 - 12 x OptiGun® GA03 automatic guns
 - 2 x OptiSelect® Pro GM04 manual guns
 - 14 x OptiStar® 4.0 gun controls
 - 14 x OptiFlow IG07-PA inline injectors
 - 1 x US07 ultrasonic sieve insert



Application Success Stories

Installation Key Data

Parts: Aluminum frames

Parts size: H 2'000 mm
W 300 mm

Conveyor speed: 2 m/min

Scope of delivery:

1 x MagicControl® 4.0 & GemaConnect®

1 x OptiCenter® OC07 - Powder Management Center (application pump technology)

4 x OptiGun® GA03-P automatic guns

2 x OptiSelect® Pro GM04 manual guns

6 x OptiStar® 4.0 gun controls

6 x OptiSpray AP01.1 SIT application pumps

1 x US07 ultrasonic sieve insert

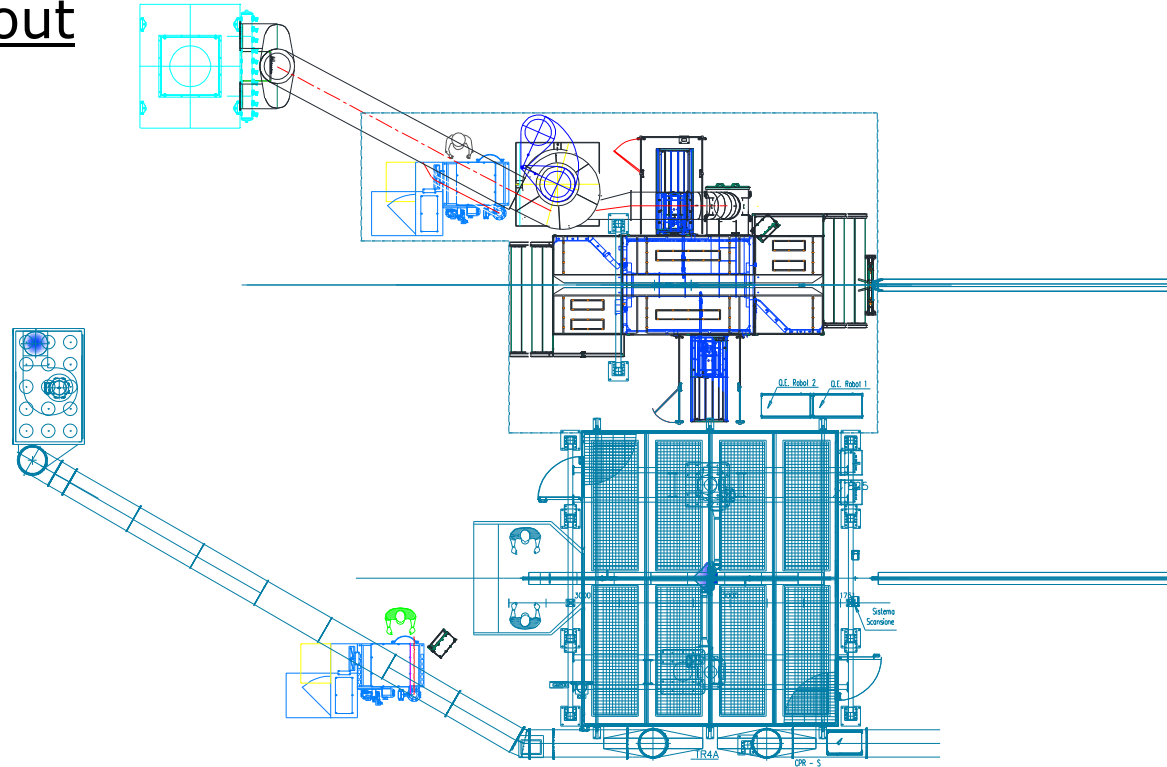
Third party supply:

Application booth and Anthropomorphic robot



Application Success Stories

Layout



Application Success Stories



Europrofili Group has a forty-year history in the sector of components for wooden window frames. The company operates at two sites in Italy: Ospitaletto (BS) and Legnago (VR) where they have implemented four production lines: Aluminum/Bronze Timber Systems, Aluminum Shutters, Front Door Panels, Weatherboards and Seals.

The management of the coating process and the extensive warehouse stock, allow to respond to a wide range of customization requirements. Europrofili chose Gema to realize its production with the latest available technologies to increase quality, efficiency and productivity.

The Gema MagicCompact EquiFlow booth-system with its 16'000 m³/h air suction, made the entire painting process easy and precise. This booth-



system guarantees, according to the customer expectations, fast color changes and permanent clean environment on the entire booth floor, avoiding powder accumulation and increasing the powder recovery up to 96%. The OptiCenter OC08 is equipped with OptiFlow IG07 injectors, that ensure precise and optimal powder feeding to the guns.

The second booth was equipped with the OptiCenter OC07 including OptiSpray application pumps. The OptiGun automatic guns are mounted on the robot-arms, that follow the aluminum frames and managing to cover the whole piece, in order to reduce the manual touch-ups.

The application pumps with SIT technology OptiSpray AP01 gave the boost to the line to achieve all the required targets and allowing large



powder savings due by the high efficiency of the Smart Inline Technology (SIT).

These projects have been developed in line with the new Industry 4.0 regulation and uses MagicControl 4.0 which controls the entire system.

Advantages of Gema's system that ensure a quick return on investment:

- Easy and intuitive programming
- Significant reduction in adjustments
- Higher quality of the final coating
- Significant reduction of powder consumption
- Important reduction of production waste
- Increase of processing speed
- Less personnel required for plant management
- Reduction of overtime