



MAESTRO

THE HIGH LEVEL COMPLETE SOLUTION FOR COATING DOOR AND WINDOW FRAMES

The frame production market demands ever increasing flexibility. The introduction of a versatile, reliable robotised system like **Maestro** from **Superfici** simplifies small batch management. It also guarantees the continuity typical of robotised solutions. Add to this the possibility of fast colour changes with reduced coating wastage, and it is clear how a robotised system is perfectly suited even for production with custom finishes, managing numerous different small orders.

The robot can be used with pneumatic or electrostatic application systems and easily adapts to any coating requirements.

Main benefits of a Maestro anthropomorphic robot spraying line:

- **reduced production times**
- **uniform and continuous application quality**, which is difficult to achieve manually.
- **improved control of product quantity** and, therefore, savings in terms of paint/coating consumption.
- **easy, flexible robot control.**

The spraying robot fits perfectly in coating lines that can, for example, include rotation of workpieces on the conveyor system to allow spraying of both faces, or the use of two opposite robots, where this is justified by the capacity required. The robot is often used in lines complete with drying systems, even sophisticated ones with microwave technology that considerably shorten production cycles, further extending the flexibility of the entire plant.

Maestro, Technology Highlights:

WIDE SPRAYING AREA

The system was specially designed for spraying large items, typically door and window frames. Working area size: 3000 x 3000 mm. If necessary extendable by adding a 7th axis.

KAWASAKI ANTHROPOMORPHIC ROBOT

The Kawasaki high-performance anthropomorphic robot is perfectly integrated in the system, guaranteeing build quality and reliability. The robot has 6 axes, which can be extended up to 11 if necessary.

OPTIMISED SPRAY GUN HOLDER TOOL

The spray gun holder tool is designed for fast gun positioning that is always precise, allowing uniform application in the various areas of the frames to be coated.

PRECISION WORKPIECE SCANNING DEVICE

The frames are scanned using a reading bar, to adapt the movement of the spraying arm accordingly.

FLEXIBLE, USER-FRIENDLY SOFTWARE

The control software easily manages recipes and colour changes: defining distances, angles and spraying speeds is possible for any operator, using an intuitive program interface to save and retrieve the types of processing.