

# MODULES SYSTEM FOR PAINTING IN ELECTROSTATIC FIELD

**Fields of application:** Painting by applying a coloured powder made of organic resin, electrostatically ionized in a high voltage electric field, on a metallic surface

**The modules system for painting in electrostatic field consists in:**

- degreasing-phosphating bath
- washing bath
- installation for applying the powders in electrostatic field (painting module)
- painting cabin
- polymerization furnace
- carriages and rail system

## **Technical characteristics**

- |   |                        |
|---|------------------------|
| • Supply voltage                          | 3x380 V; 50 Hz         |
| • Dimensions                              | 9500x6000x3000 mm      |
| • Air supplying pressure                  | 5-6 bar                |
| • Degreasing-phosphating bath temperature | 55-75 <sup>0</sup> C   |
| • Phosphating time                        | 10 min                 |
| • Powder vessel capacity                  | 50 l (25 kg paint)     |
| • Anode voltage polarity                  | negative               |
| • Electrostatic loading voltage           | 10-100 kV              |
| • Polymerization temperature              | 160-200 <sup>0</sup> C |
| • Polymerization time                     | 10-20 min.             |
| • Maximum power (at starting)             | 71 kW                  |
| • Weight                                  | 5250 kg                |

