



PRODUCT OVERVIEW

MS PLC - Process Control Systems



Product type:



MS PLC - Process Control Systems

- The latest MS high-speed color change powder coating system is equipped with a user-friendly touchscreen control system. Booth, powder kitchen, powder circulation, powder recovery, coating equipment, and control technologies are optimally combined using an easy-to-use PLC (Process Control System).
- Operators can perform all regular operations such as setting electrostatic and powder supply controls for the coating equipment through the intuitive touchscreen interface. In addition to error codes, production data and usage information are also stored.
- The entire system, down to its smallest components, allows for the creation of coating settings. Parameters such as length, width, height, and conveyor line speed are all processed to optimize automatic coating.
- Programmed recipes can be reused to ensure consistent coating performance.

Depending on customer requirements, two types of PLC systems are available:

M2

The basic M2 is equipped with the Siemens S7-300 series and an MP370 touchscreen. Instead of a hard drive, the M2 uses flash memory and can store up to 300 recipes.

M3

The expandable M3 PLC offers advanced customization capabilities. It is built around the Siemens S7-400 PLC processor. The equipment can also be accessed remotely via Ethernet connection.

M3 has the capacity to store over 1,000 program recipes. With these programmed product recipes, the system can achieve maximum efficiency while ensuring consistent coating quality and reproducibility.





Features of MS PLC Process Control System

Easy access to all powder coating operations and data storage functions via touchscreen

Equipped as standard with the "Siemens S7" PLC system; "Allen-Bradley" is available as an option

List of connected devices / Real-time indicators and key inputs are clearly displayed on an easy-to-read screen

Adjustable setting parameters for coating equipment, guns, powder supply systems, and accessories

Program recipe storage function

Monitored powder booth data such as production speed, operating time, safety monitoring, and error codes are stored

Password protection for screens and data access operations not required in routine tasks

M2 comes with a removable storage device

M3 series includes a hard drive with computer access functionality and LAN/BUS connection for remote access

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