



PRODUCT OVERVIEW

MS MDF Powder Coating System



Product type:



MS MDF Powder Coating System

The MS MDF high-speed color change powder coating system is utilized worldwide for coating various types of compressed wood materials. With over 10 years of experience in MDF coating, MS offers fully customized coating systems tailored to user needs, covering all processes including coating, conveyance, and curing for MDF products.

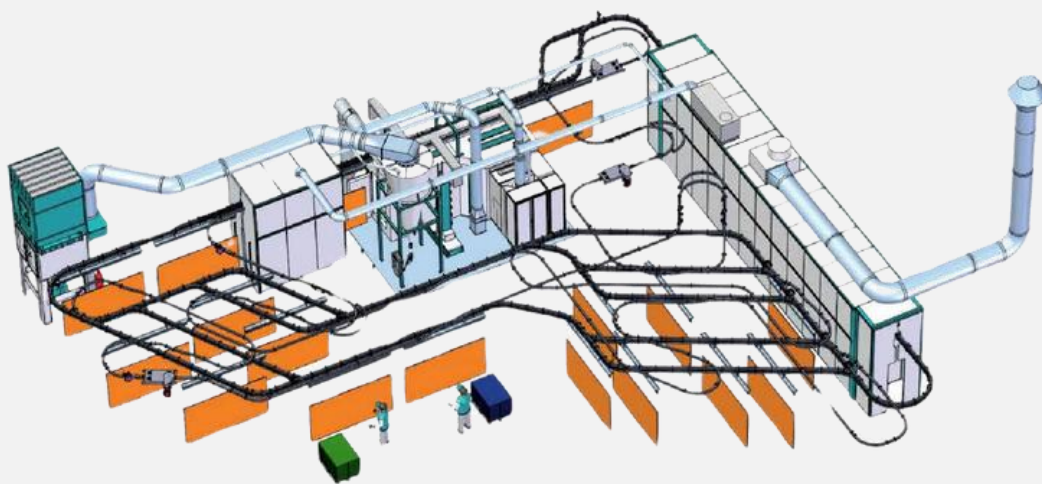
- The MDF powder coating system is customized according to each production requirement.
- Chain belt conveyors and specialized conveyor systems, which can be flexibly positioned, automatically transfer products — suitable for both small and large-scale production.
- The conveyor paths are developed based on actual coating requirements and installed to meet site-specific conditions.
- At the core of the system is the FCC high-speed color change powder booth, specially designed for MDF powder coating.
- Color changes can be completed in as little as *6 minutes, depending on the color being changed, booth size, and operator proficiency.



The system comes standard with an MS-designed gas catalytic infrared powder oven with automatic control.

Monitoring and operation of the entire system, including product recognition functions, are executed via a user-friendly touch screen equipped with a “Siemens SPS” PLC (Process Control System).

These functions include not only the parameters for booth coating, but also settings for the conveyor and oven, ensuring consistent coating quality and a guaranteed finish on the final product.





Features of the MS MDF Powder Coating System

A complete MDF powder coating system provided by a single company

Conveyor transport system that can be arranged to suit product coating and special requirements

In full recovery mode, color changes can be completed in under *6 minutes, improving productivity (*Depending on the color being changed, booth size, and operator skill level)

Improved coating efficiency with MS's double-wall PVC sandwich-type cabin booth structure

Unique self-cleaning MS cyclone design increases overall system operation efficiency up to 97%

Equipped with high-performance PLC control sensors for optimal control of circulating powder paint quantity

Quiet operation with noise levels typically under 80 dBA

Gas catalytic infrared curing oven controlled by PLC with touchscreen interface

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