

COLOR CHANGE MADE EASY

The compact Quick Color Change system for automatic coating plant.



- Quick, efficient, safe, and simple cleaning
- Minimum powder volume in the powder circuit
- Directly integrated manual coating stations
- No cleaning mechanism
- Direct exhaust suction with adjustable flaps



1

The plastic booth with adjustable central suction hood reduces powder adhering to the booth walls to a minimum.

- smallest amount of powder adhering to the booth wall
- no powder escape
- simplest, quick cleaning
- all critical booth areas visible



2

The key to a quick and clean color change is the compact Powder Center. Equipped with its own exhaust air system, it offers a maximum of operating comfort!



3

Simple operation, optimum coating results, and powder savings. The comfortable OptiMatic control system fulfills these high demands well.

The control unit can, naturally, also be fitted with highly modern PC or PLC controls. The highest operating comfort is thus achieved.



4

Exhaust suction up to 24,000 m³/h is guaranteed, so that the MagicPlus System can be operated as a multiple color or single color system. Our filter units are distinguished by their extreme longevity, and the Cyclones are convincing in their very high degree of separation.

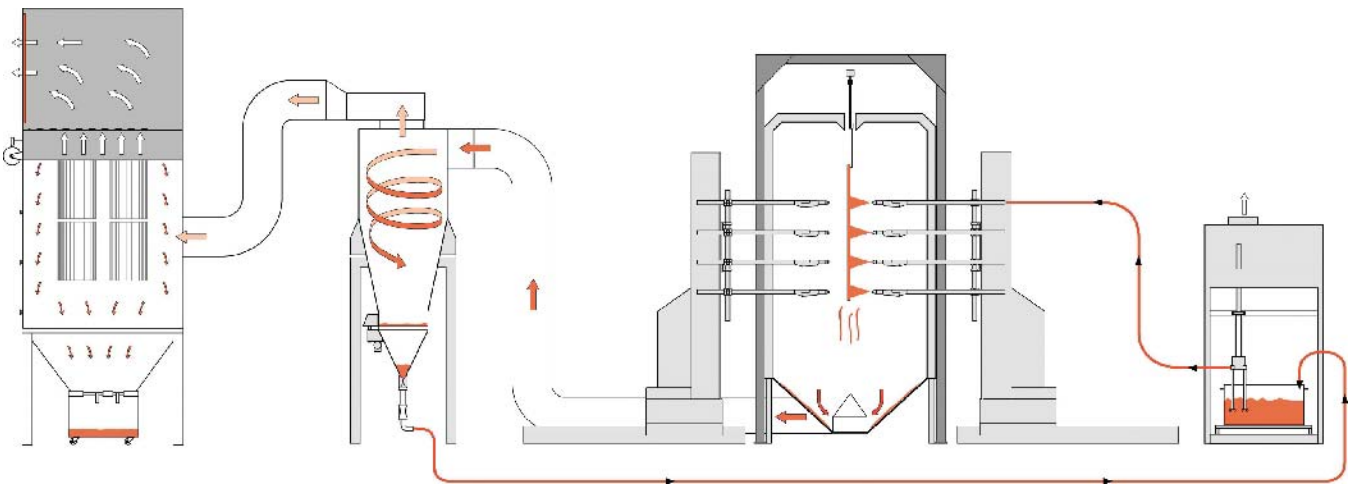


The heart of the powder coating system are our modern, highly efficient powder guns. They guarantee the best coating results and uniform powder coating.



Whether long or short stroke: quieter running, and high load carrying distinguish the ITW Gema reciprocator equipment. The positioning and stroke lengths are automatically controlled via an object recognition unit.





The powder is fluidized in the container or powder box. Level-controlled injectors transport the powder through two separate hose lines, for light and dark colors, to the powder guns.

The overspray is uniformly sucked up by a central exhaust below the workpieces. The powder arrives at the Cyclone separator through a smooth-walled duct. The powder is separated from the exhaust air in the Cyclone, and is recovered by an integrated sieve and conveyed by means of a Dense Phase Conveyor to the container and so returned into the circuit. The finest particles in the exhaust air are collected in the After Filter in an easily handled waste container. Exhaust air cleaned this way can be fed directly back into the workshop.



Large variety of system versions

The MagicPlus Quick Color Change system can be installed in the most diverse variations. Completely adapted to your requirements and space conditions, whether in line, obliquely offset, or mobile... We will gladly advise you according to your specific requirements.

The quick color change

The MagicPlus is an economic and cleaning-friendly quick color change system for automatic powder coating plant. Its principal characteristic is a compact plastic booth, which operates without an expensive cleaning mechanism. The Powder Center guarantees the highest color change quality. Color changes can be carried out by the personnel after only a very short working-up period.

High degree of automation

You are led through the operation of the MagicPlus by the modern control unit and comfortable operating panel. Each system is specifically designed for the customer, configured according to his specific working parameters. Thus, you get your own customized quick color change system from ITW Gema AG and not an "off the peg"-product.

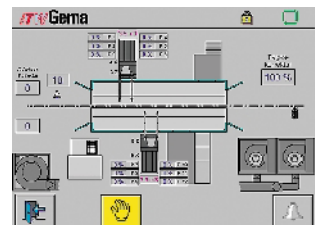
Powder saving and comfortable operation

You want to save powder, but you also want high operating comfort, and that with the highest coating quality. With the OptiTronic® Powder Gun Control unit we offer you everything together because this control unit combines all these benefits in one:

- Reproducible coating results at all times
- Reduction of intermediate coating thickness
- Constant powder charging conditions
- 255 storable coating programs
- Individually programmable coating parameters
- Control system expandable to different levels
- Optional DigitalBus/CANBus serial interface

Higher coating efficiency

An extremely high coating efficiency is achieved due to the vertical powder gun arrangement (also horizontal, if required) in the MagicPlus. The number of powder guns and their arrangement are determined in close cooperation with you. In addition, at ITW Gema AG a well-equipped trials laboratory is available, in which workpiece coating tests can be run under real-time conditions.



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ITW Gema AG reserves the right to make technical changes without prior notice.