

# MagicPlus

Be flexible but save time and money!



## Automatic powder coating systems

Don't waste your precious production space!

With its flexible design, the MagicPlus quick color change system can be easily integrated into new or existing plant configurations.

# Be flexible but save time and money!



## **Color changes can be so quick and easy**

MagicPlus stands for flexible design. That's why the entire system can be easily and efficiently cleaned. You don't need cleaning machinery and the whole cleaning procedure is done by one person only.

## **Minimal powder quantity in the circuit**

The flat booth floor in combination with the engineered suction hood minimizes the powder accumulation.



## **Perfect coating conditions**

The booth floor with two extraction slots creates the perfect coating conditions: strong air suction in the area of the automatic guns. Uniform coating thickness and highest application quality are the result.

## **Compact design, tailor-made to your needs**

### **Efficient suction**

Two slots in the booth floor create perfect coating conditions up to 32,000 m<sup>3</sup>/h exhaust air.



The MagicPlus system can be easily integrated into any plant configuration. Whether in a pure automatic booth configuration, with pre-coating or with combined pre- and post-touchup stations, all solutions are possible. Worldwide references in all industries confirm the versatility of the MagicPlus quick color change system. In our state-of-the-art test lab we determine in collaboration with you the optimal configuration, designed to your requirements and needs.

### Designed for quick color changes

The OptiGun automatic powder gun is compact and easy to maintain. With color changes, the gun is quickly cleaned and ready to be used again. The nozzles are removed in a flash, they are cleaning-friendly and contain a minimum of parts that are subject to wear.

### On-gun remote control

Keep your eyes on the work piece, not on the control unit! With the remote control on the back of the OptiSelect, you select the right program, even if the control module is out of your reach.

### All parameters at one glance

With the control module OptiStar and MagicControl you have a grip on all coating parameters. Clear symbols, simple programming and a perfect reproducibility of your results contribute to measurably increase your coating quality.



## The most advanced powder application technology

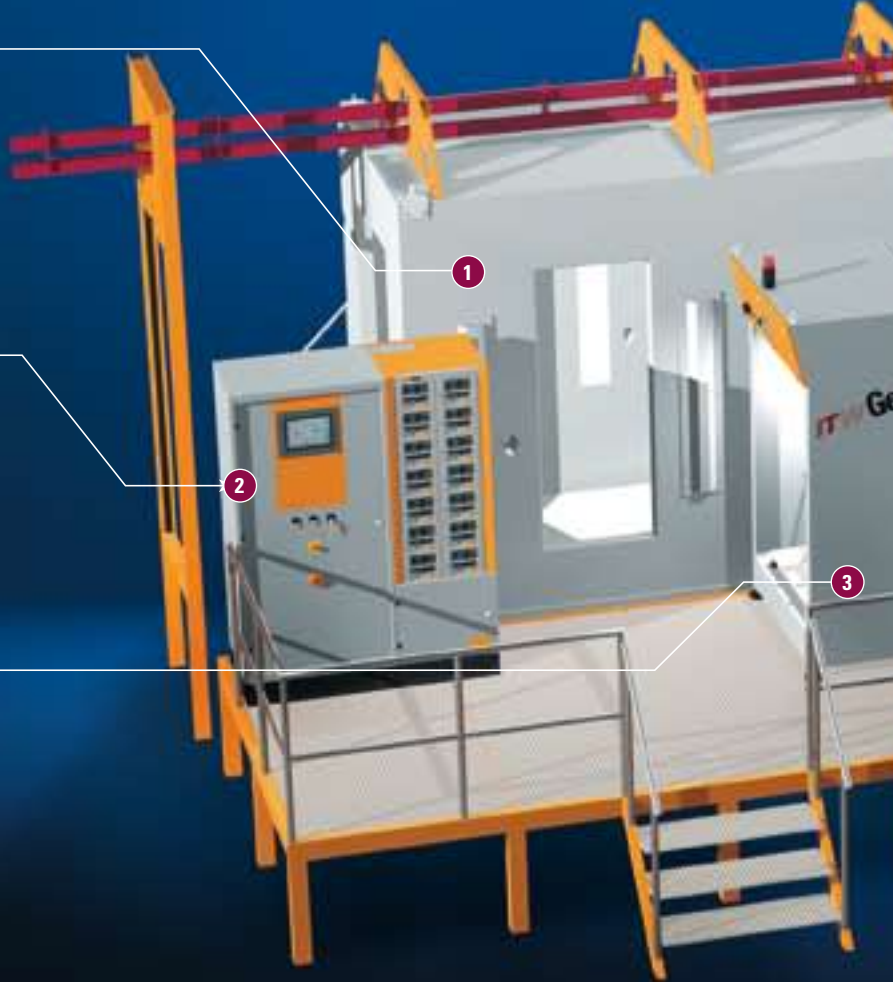
The OptiGun and OptiSelect powder guns and the OptiStar control units are a perfect combination of coating efficiency and user-friendliness.

- Perfect transfer efficiency with every powder thanks to the 100 kV high performance cascade
- Continuous and uniform powder delivery and charging for a uniform layer thickness distribution
- patented DVC technology for accurate powder output control
- Display-Pilot ensures easy access to pre-set and customized coating programs
- Reduced maintenance costs thanks to the wear resistant design

### SuperCorona®

The optional SuperCorona collects and neutralizes the free ions that would disturb the powder deposition on the object. This improves the surface quality.





**1 A sandwich of another kind!**

MagicPlus features a sandwich wall booth cabin construction. That's how powder accumulation is minimized on the booth walls.

**2 Here you control the coating!**

Do you want to save powder? Do you insist on high user comfort combined with the highest coating quality? The versatile OptiFlex A2 control unit with integrated Opti-Star gun control enables access to all coating parameters at any time.

**3 All the powder you want, where and when you want it!**

The MagicPlus powder circuit aims for ease-of-use, continuous and consistent powder feed and little wear of parts. The powder center, injectors, powder pumps and recovery are perfectly aligned with one another and feature a wear-resistant design. A wide variety of fresh powder feed and sieving solutions are designed to meet your quality requirements and needs.



**4 The heart of the powder coating!**

High transfer efficiency, uniform powder application, optimal penetration into any geometry, the powder guns OptiGun and OptiSelect constitute the heart of the powder coating process. The color-change friendly construction with very few components that are subject to wear is another highlight of the guns. The excellent ergonomics and the lightweight design of the OptiSelect guarantee fatigue-free manual coating.

**5 For a good atmosphere!**

Our cyclones excel with their high separation efficiency. This ensures a minimization of the expensive powder losses in the recovery circuit. The high aspiration performances and filtration efficiency of our final filters are the key to maintain clean and healthy ambient conditions.

**6 Coating in every direction!**

A uniform layer thickness distribution is key to high quality and a low powder consumption. ITW Gema's reciprocators and axes cover all movements. No matter what configuration you need, whether a horizontal, vertical or rotary axis, we have a solution for all your requirements.



## Powder Center: The key to a quick and clean powder change

### Automatic cleaning

The internal cleaning of the suction tubes, injectors, powder hoses and guns takes place automatically. The exhaust unit, independent from the main filter, prevents contamination of the environment during the cleaning operations.

### Easy powder feed

The powder can be used directly from the original 25 kg containers. Special fluidized containers are available for the most difficult powders. The level probe ensures an even powder output and detects when the powder container is empty.

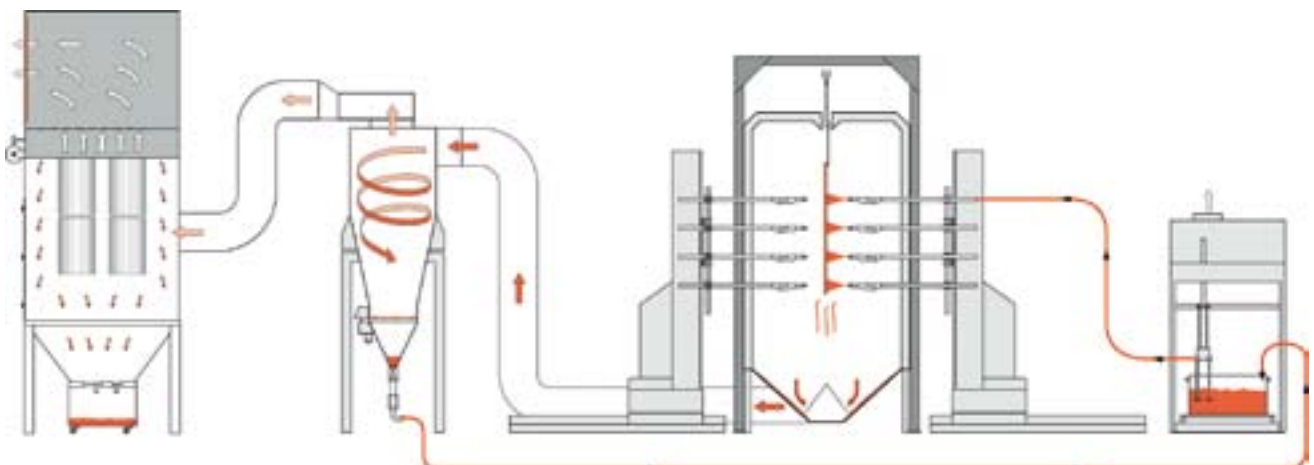
### Solutions for every need

As an option the Powder Center can be fitted with a fresh powder supply system for longer single color operations and with a sieving machine.



## We take your safety seriously

Think of the safety of your employees! Powder coating systems are subject to strict safety regulations. All our products and spare parts are developed and tested according to the highest international standards and are subject to constant quality controls ISO 9001-2000 (ATEX, PTB, CE, FM). With ITW Gema, you are sure you get safe products without compromise.



## ITW Gema

# Your global partner for high quality powder coating

Benefit from our competence based on more than 40 years of electrostatic powder coating experience.

From simple manual coating units to fully automated complete systems, we offer the best possible solution to satisfy customers in different countries, in different market segments, with different needs and requirements. Our worldwide network guarantees professional service anytime, anywhere!

ITW Gema is part of the ITW Finishing group. We make our customer's products more durable and attractive. Our finishing experts create the technologies, processes and materials that regularly set the standard for the industry.



### The powder coating world of ITW Gema



## Take advantage of the MagicPlus quick color change system to power up your productivity!



### The benefits of MagicPlus

- Very short cleaning times without any mechanism
- Strong suction in gun areas
- Powder quantity in the powder circuit reduced to a minimum
- Optimal coating conditions inside the booth
- Flexible and space saving design
- Easy integration into a broad variety of system concepts



ITW Gema AG  
Mövenstrasse 17  
CH-9015 St. Gallen / Switzerland  
Phone +41 (0)71 313 83 00  
Fax +41 (0)71 313 83 83  
Mail [info@itwgema.ch](mailto:info@itwgema.ch)  
Web [www.itwgema.ch](http://www.itwgema.ch)