

MagicPlus

Be flexible but save time and money!



Systems for automatic powder coating

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.

Your global partner for high quality powder coating

 **Gema**

Save time and money!



Compact design

MagicPlus stands for a simple and compact booth design. The material used is powder-repellent plastic in a sandwich construction. The booth allows direct access and the flat cabin floor is equipped with manually rotatable exhaust flaps.

A color change can be as simple as this

The booth is accessible and can be cleaned quickly and efficiently by just one person. The exhaust air flaps can be turned away easily and allow efficient cleaning. The cleaning time is measurably reduced.



Perfect coating conditions

The exhaust air flaps have lateral suction slots in the area of the automatic guns, which create an ideal air flow. Uniform coating thicknesses and highest coating quality are the result.

Efficient suction

The air is guided through two suction slots and thus creates perfect coating conditions inside the booth.



Adaptable design to your requirements

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 flexibility 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.

The core of the electrostatic coating process

OptiGun® - Designed for quick color change

The OptiGun automatic powder gun is compact and easy to maintain. During color change, the gun is rapidly cleaned and ready to be used again. All the components are easy to clean and designed for low wear.

Remote control on the OptiSelect® manual gun

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

OptiStar® - All parameters at a glance

With the OptiStar 4.0 control modules you have precise control of all coating parameters. Clear symbols, easy programming and perfect reproduction of coating results contribute to significantly increased coating quality.



The most advanced powder application technology

The powder guns are perfectly matched to the OptiStar 4.0 control unit and offer the highest degree of coating efficiency and user-friendliness:

- High transfer efficiency with every type of powder thanks to the 100 kV high-performance cascade
- Constant powder delivery and continual powder charging for a uniform coating thickness
- Digital Valve Control (DVC) for accurate powder delivery control
- The Precise Charge Control (PCC) mode ensures greater accuracy and adjustability of current settings below 10 μ A. This prevents the overloading of even the most demanding powders such as metallic or effect paints.
- Easy access to standard and individual coating programs
- Reduced maintenance costs through wear-resistant design

SuperCorona

The optional SuperCorona attachment neutralizes free ions and avoids an orange peel texture on thick powder coatings.



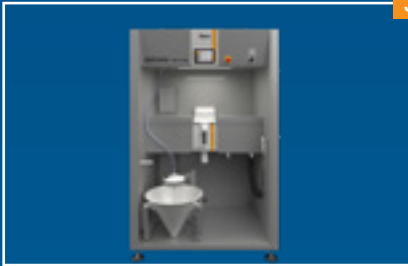
OptiGun GA04



1



2



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4

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1

A completely different kind of sandwich

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

2

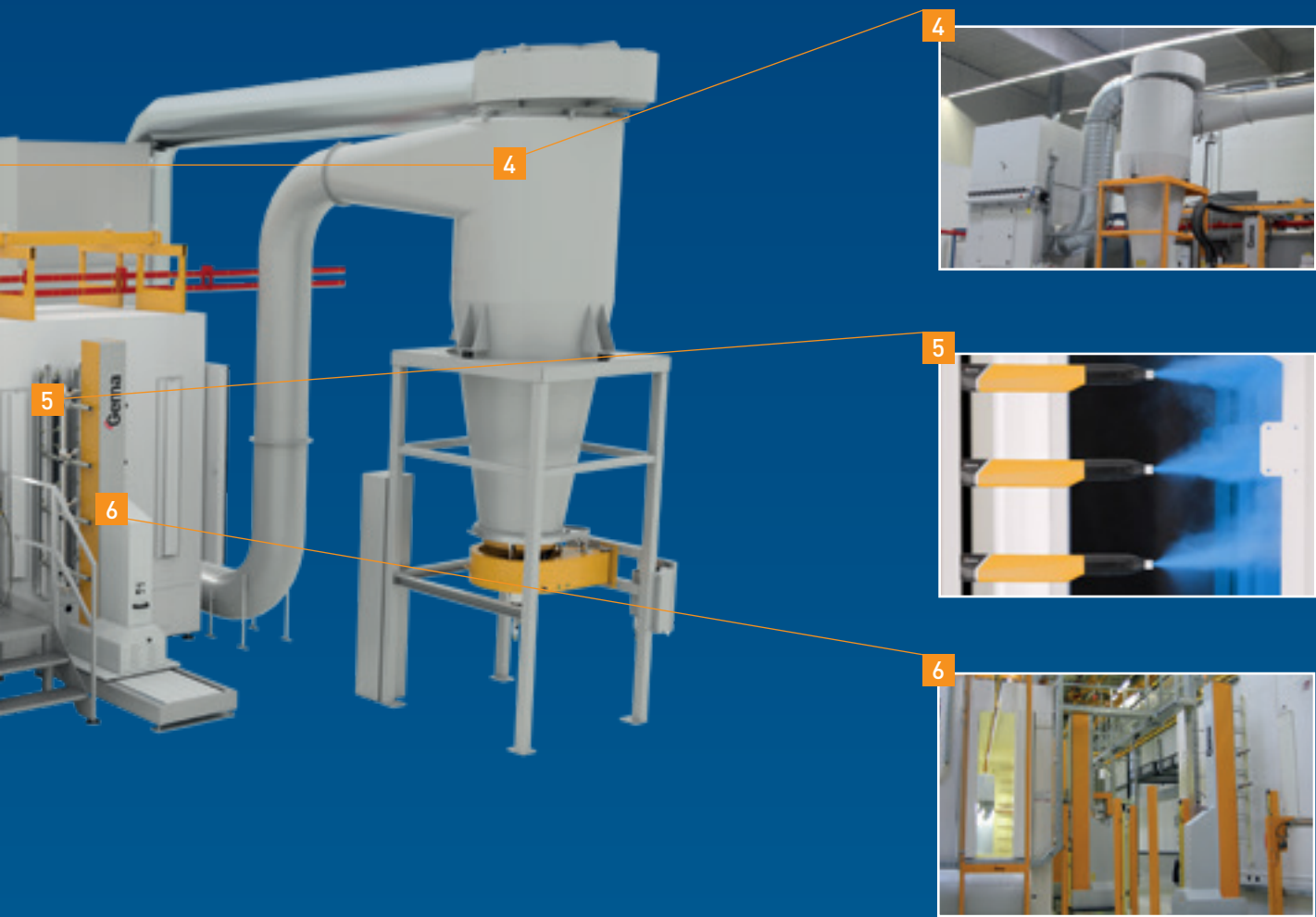
Here's where you control the coating

Do you want to save powder? Do you insist on high user comfort and repeatable coating results? The versatile control system MagicControl 4.0 with Touch Panel provides continual access to all parameters of the coating process.

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 OptiCenter®, injectors, powder pumps and recovery system are perfectly aligned with one another. A wide variety of fresh powder feed and sieving solutions are designed to meet your quality requirements and needs.



4

For a good atmosphere

The powerful extraction system guarantees that the MagicPlus system meets all safety requirements. The filter units are characterized by extreme longevity and the cyclone convinces with a high separation efficiency.

5

The heart of the powder coating

High transfer efficiency, minimal powder output and uniform power application: the OptiGun automatic guns are the heart of the powder coating process. A design with minimal wear components is a prerequisite. The excellent ergonomics and the lightweight design of the OptiSelect manual gun guarantee fatigue-free manual coating.

6

Coating in every direction

A uniform distribution of the powder film is a necessary condition for achieving high-quality results at the lowest powder consumption rate. Gema's reciprocators and axes cover all motion profiles, whether in a horizontal or vertical direction or as an infeed or rotary axis.



OptiCenter: quick cleaning and superb coating results



Efficient powder management

The core of this new powder center is the OptiSpeeder. This unique container concept prevents any loss of powder whatsoever through fluidization. Control of the entire powder circuit is done fully automatically and very precisely. The result is extremely low powder consumption and excellent coating results.

Improved coating quality

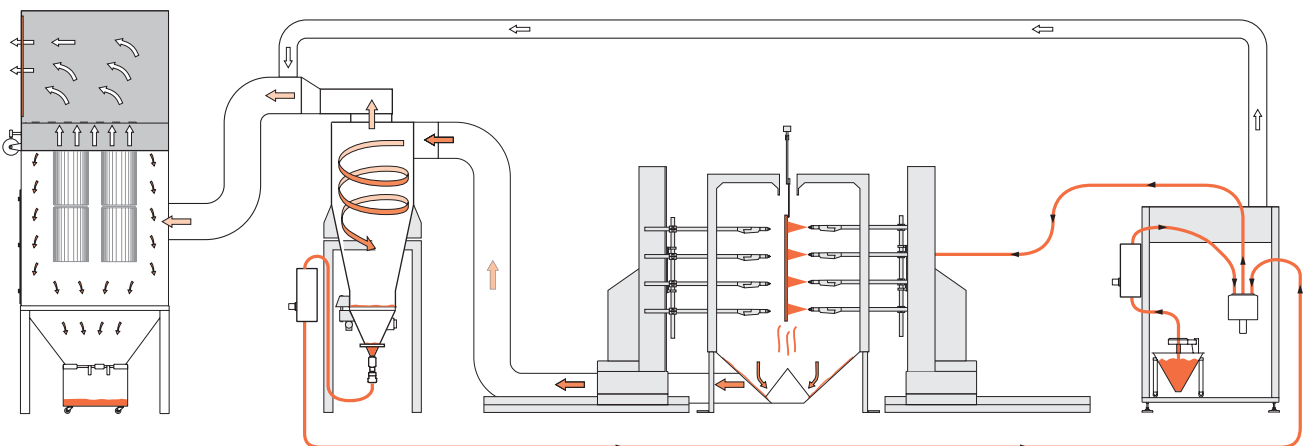
The OptiSpeeder is equipped with an automatic fresh powder supply and a powder-level control system that ensures a constant quantity of powder in the container. The suction pipes for the injectors are considerably shorter than in conventional powder centers. These features translate into an even more uniform powder flow and improved coating results.



Automated color change

The overall design of the OptiCenter allows extremely quick color change. No separate tools are required, and all functions are integrated into the system.

Closed and efficient powder circuit



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

The benefits of MagicPlus

- Very short cleaning time without any mechanism
- Strong suction in automatic 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



The powder coating world of Gema



Gema Switzerland

Your global partner for high quality powder coating

Take advantage of our expertise and experience from more than 50 years of electrostatic powder coating applications. From simple hand coating through to fully automated powder coating, we offer solutions that meet the demands and requirements of customers around the world in a wide range of industrial sectors. A global service network ensures you always get professional support, at any time and any place!

Gema is part of Graco Inc. Our goal is to help our customers to increase their productivity while creating attractive, long-lasting products. Our experts continually set new standards in the surface coating industry.



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