

# MagicCylinder

Change your colors in a quick and economical way!




## Automatic powder coating systems

The quick color change system MagicCylinder is designed to handle a large variety of colors. The round booth with a patented airflow design offers extremely quick and clean color changes. All this without any mechanical cleaning tools or entering the booth!

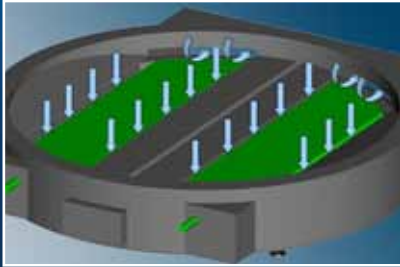
You can work in a clean, quick and economical way!

**Gema**

The Global Leader in  
Powder Coating Technology



# Change your colors in a quick and economical way!



## The quickest color change

MagicCylinder stands for the quickest color change. The round shape of the booth, the patented central air suction, the integrated blowing devices make the MagicCylinder the top-quality choice among quick color change systems.

## Minimal powder quantity in the circuit

The booth floor is continuously cleaned during the coating process to minimize powder accumulation in the booth. Only a few kilograms of powder circulate in the recovery circuit. Color change times are cut down significantly!

## Color changes can be so easy

No need for complicated machines to clean the booth. No need to enter the booth for color change. You can easily perform all cleaning procedures from outside!

Quickest color change, tailor-made to your needs

## Comfortable manual coating

The external pre-touch or touch-up platforms represent the best solution for comfortable and efficient manual coating without contamination of the ambient.



Whether in a pure automatic booth configuration, with pre-coating or with combined pre and post touchup stations, all solutions are possible. World-wide references in all industries confirm the versatility of the Magic Cylinder quick color change system.

In our state-of-the-art test laboratory we determine, in collaboration with you, the optimal configuration designed to meet 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

You can keep your eyes on the work piece, not on the control unit! With the remote control on the back of the gun, you can 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

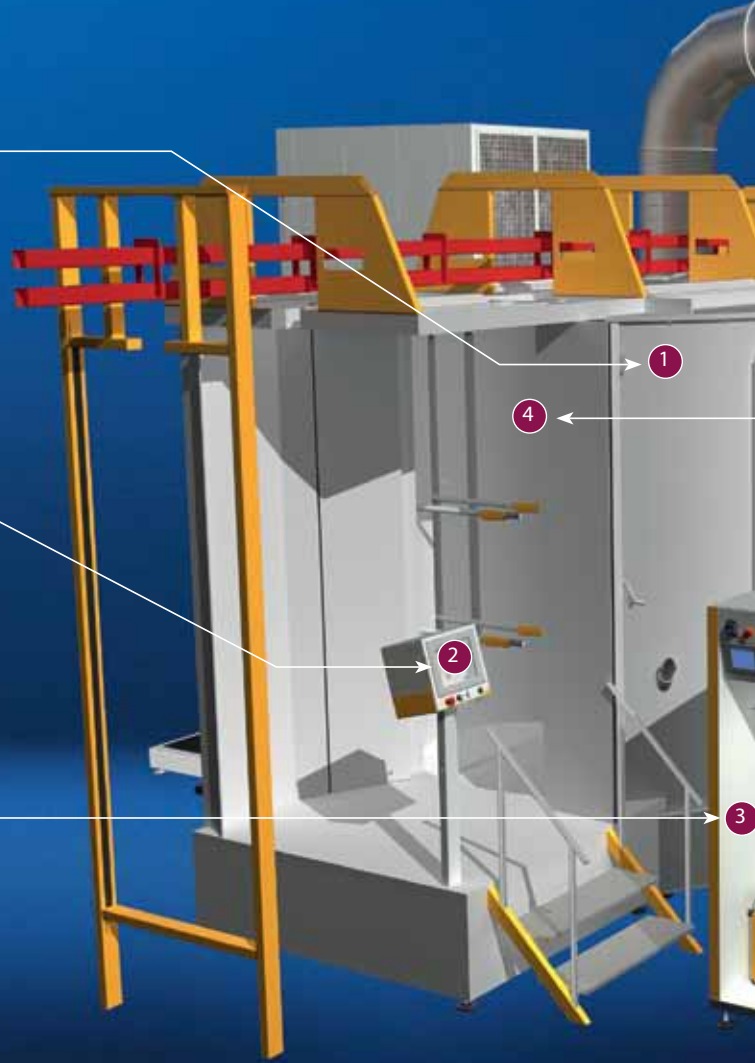
The OptiFlex Series powder guns and controls are a perfect combination of coating efficiency and user-friendliness.

- Perfect transfer efficiency with every powder due to the 100 kV high performance cascade
- Continual, uniform powder delivery and charging, for a uniform distribution and lay down of powder
- Patented Digital Valve Control (DVC) for accurate powder output control
- Control unit display ensures easy access to pre-set and customized coating programs
- Reduced maintenance costs due 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

MagicCylinder features a sandwich-wall booth cabin construction. That's how powder accumulation is minimized on the booth walls. The booth floor is equipped with an automatic cleaning system to prevent powder accumulation.

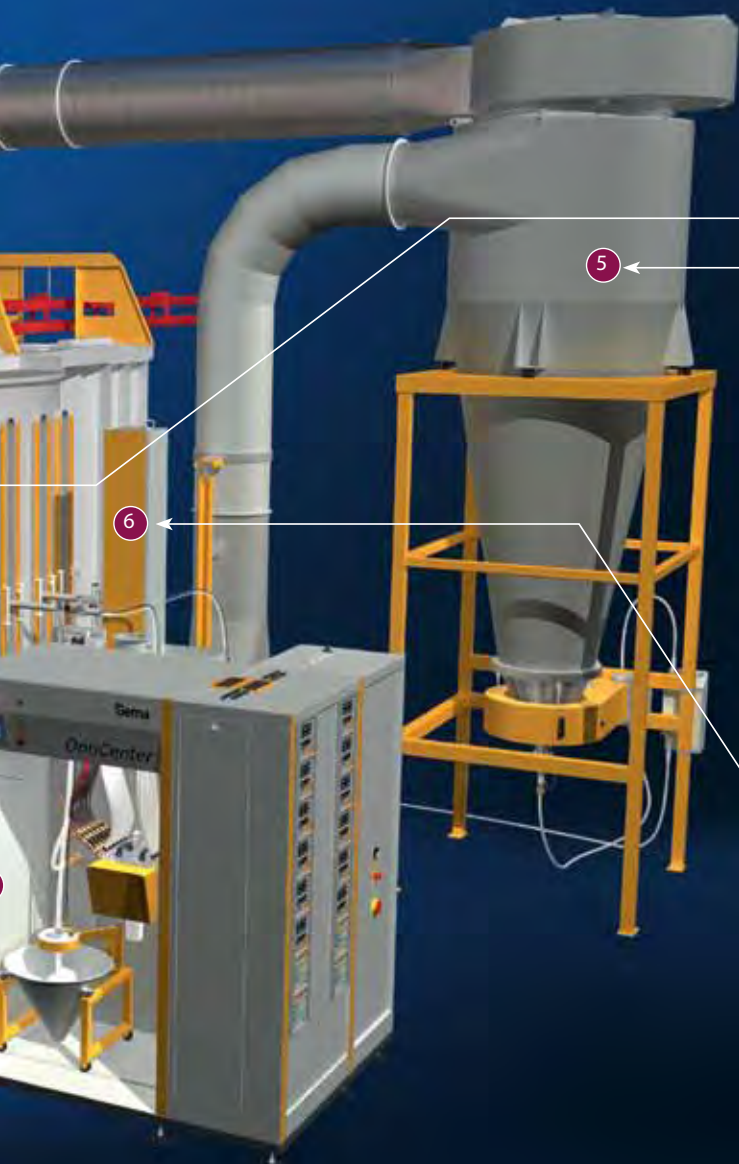
② Here you control the coating!

Do you want to save powder? Do you insist on high user comfort combined with the highest coating quality? The versatile system control of the Magic Control series combines leading edge control technology with an intuitive user interface giving you the possibilities to access and control all parameters of the coating process.

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

The MagicCylinder powder circuit aims for ease-of-use, continuous and consistent powder feed and minimal wear of parts. The Opticenter, injectors, powder pumps and recovery system are all perfectly aligned with one another and guarantee perfect working conditions. The fresh powder feed and sieving solutions are designed to meet exactly your quality requirements and expectations.





4 The heart of the powder coating

5 For a good atmosphere

6 Coating in every direction

With high transfer efficiency, uniform powder application and optimal penetration into any geometry, the powder guns constitute the heart of the powder coating process. The color-change-friendly construction, which utilizes very few components that are subject to wear, are yet more of the benefits to working with these guns. The excellent ergonomics and the lightweight design of the OptiFlex Series guns, guarantees fatigue-free manual coating.

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

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



## OptiCenter: Quick cleaning and superb coating results

### Efficient powder management

The core piece of this new powder center is the OptiSpeeder II. This unique container concept completely prevents powder loss through fluidization. The control of the completely closed powder loop is fully automatic and precise. This enables extremely low powder consumption and leads to excellent coating results.



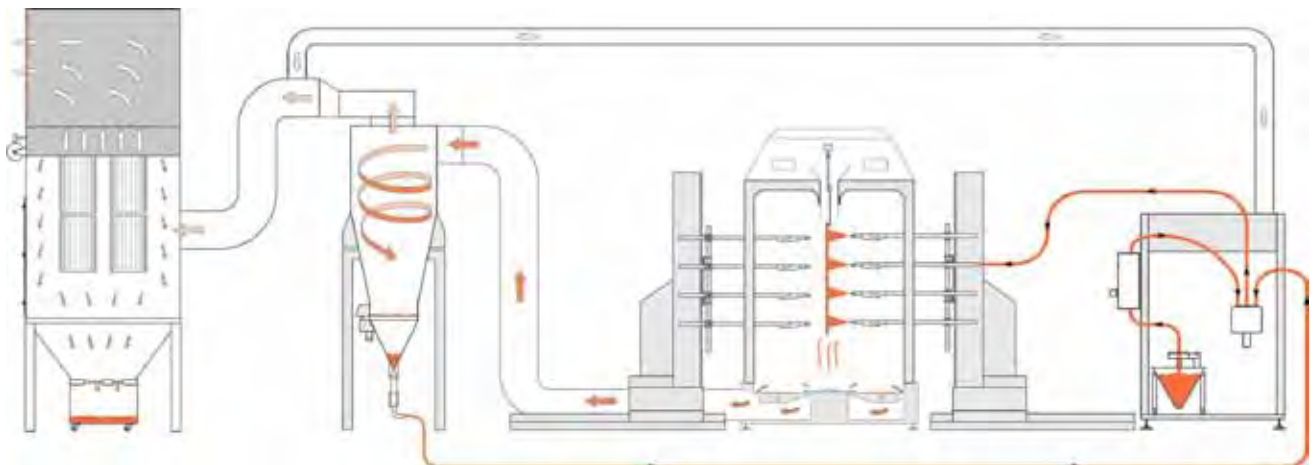
### Better coating quality

The OptiSpeeder II is equipped with an automatic fresh powder supply and a powder level control system which ensures a constant powder quantity in the container. The suction tubes are much shorter than in the conventional powder center. These features translate into an even smoother powder flow and better 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 MagicCylinder quick color change system to power up your productivity!



#### The benefits of MagicCylinder

- Uniform air suction
- Very short cleaning times
- Automatic cleaning without any mechanism
- Powder quantity in the recovery circuit reduced to a minimum
- Easy integration into a broad variety of system concepts

The powder coating world of Gema





# Gema

## Your global partner for high quality powder coating

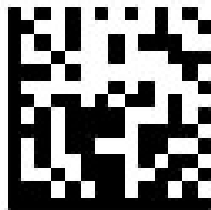
Benefit from our knowledge based on more than 40 years of electrostatic powder coating experience.

From simple manual coating units to fully automated powder coating systems, we offer the best possible solution to satisfy all of our customers in different countries and in different market segments, customers who all have their own individual needs and requirements. Our worldwide network guarantees professional service anywhere, anytime!

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.



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Phone: 800-628-0601

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