

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 central suction system guarantees 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!



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 a round cone that is continuously cleaned during the coating process. This minimizes powder accumulation. Only a few kilograms of powder circulate in the powder circuit. The result? 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 OptiSelect, 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 OptiGun and OptiSelect powder guns with 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
- Continual, uniform powder delivery and charging, for a uniform distribution and lay down of powder
- Patented **D**igital **V**alve **C**ontrol (DVC) 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

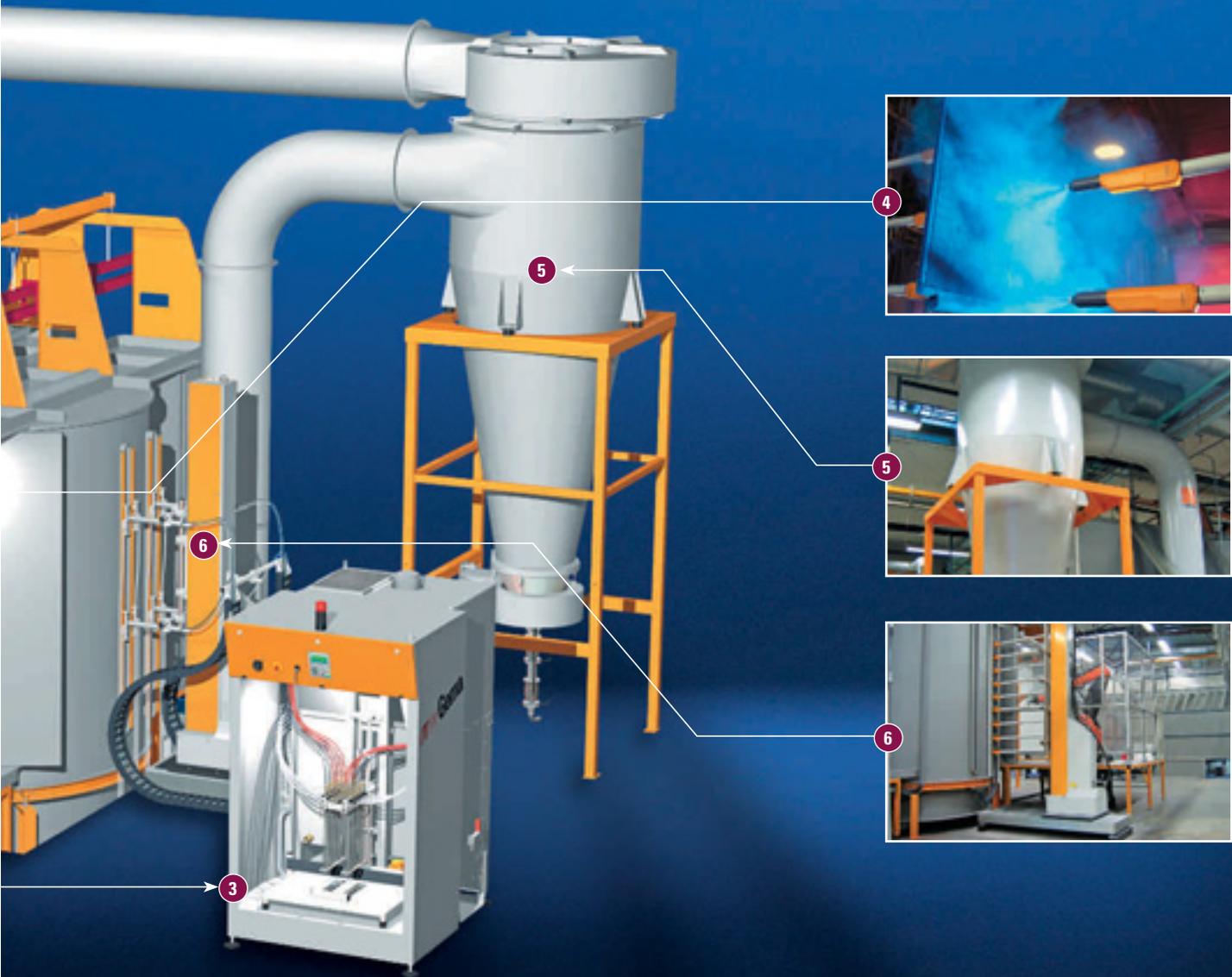
MagicCylinder features a sandwich-wall booth cabin construction. That's how powder accumulation is minimized on the booth walls. The funnel-shaped booth floor with central exhaust is equipped with automatic cleaning systems to prevent powder accumulation.

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 OptiFlex A2 control unit with integrated Opti-Star gun controls enables access to all coating parameters at any time.

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

The Magic Cylinder powder circuit aims for ease-of-use, continuous and consistent powder feed and minimal wear of parts. The powder center, injectors, powder pumps and recovery are all perfectly aligned with one another and include 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

With high transfer efficiency, uniform powder application and optimal penetration into any geometry, the powder guns OptiGun and OptiSelect 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 OptiSelect, guarantees fatigue-free manual coating.

5 For a good atmosphere

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.

6 Coating in every direction

A uniform distribution and lay down of powder is the key to achieving 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 also available for the most difficult powders. The level probe ensures an even powder output and detects when the powder container is empty.

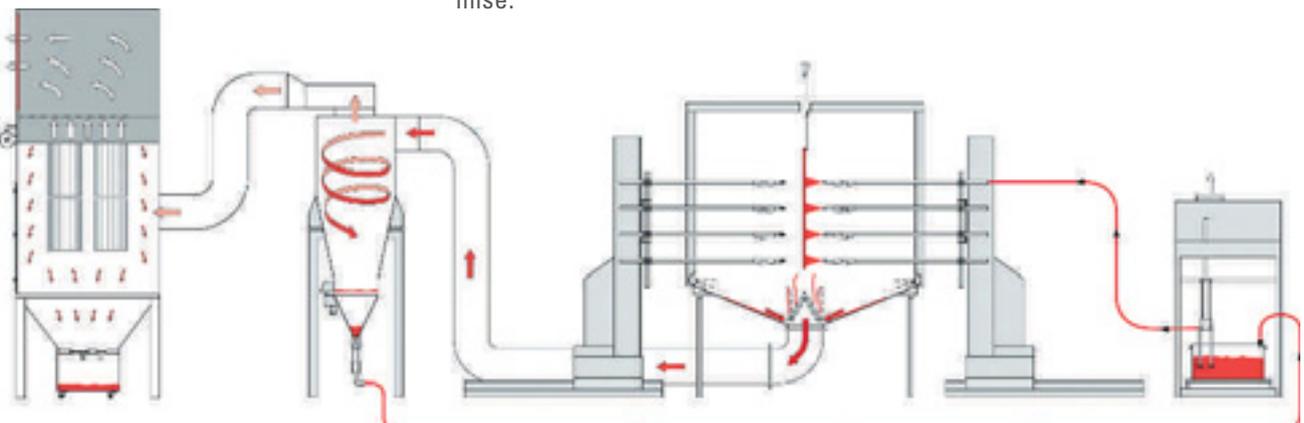
Solutions for every need

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



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 the safest products, with no compromise.



ITW 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!

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 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

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