

MagicCompact

Save time, space and money
without any compromise!



Automatic powder coating systems

Don't waste your precious production space!
With its compact design, the MagicCompact quick color change system can be easily integrated into new or existing plant configurations.

The automated cleaning program during the coating process cuts down significantly your color change times.
You save time, space and money!

Save time, space and money without any compromise!



Color changes can be so quick and easy

MagicCompact stands for compact design. That's why the entire system can be easily and efficiently cleaned. You don't have to enter the booth, the whole cleaning procedure can be carried out from outside.

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!



Perfect coating conditions

The patented booth floor with four extraction slots creates the perfect coating conditions: gentle air suction and no turbulence along the entire booth length. Uniform coating thickness and highest application quality are the result.

Compact design, tailor-made to your needs

Gentle treatment

Four slots in the booth floor create the perfect coating conditions: gentle air suction and no turbulence. The continuous powder recovery provides consistent coating results.



The MagicCompact system can be easily integrated into any plant configuration. Whether in a pure automatic 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 MagicCompact 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

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

MagicCompact 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 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 MagicCompact 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

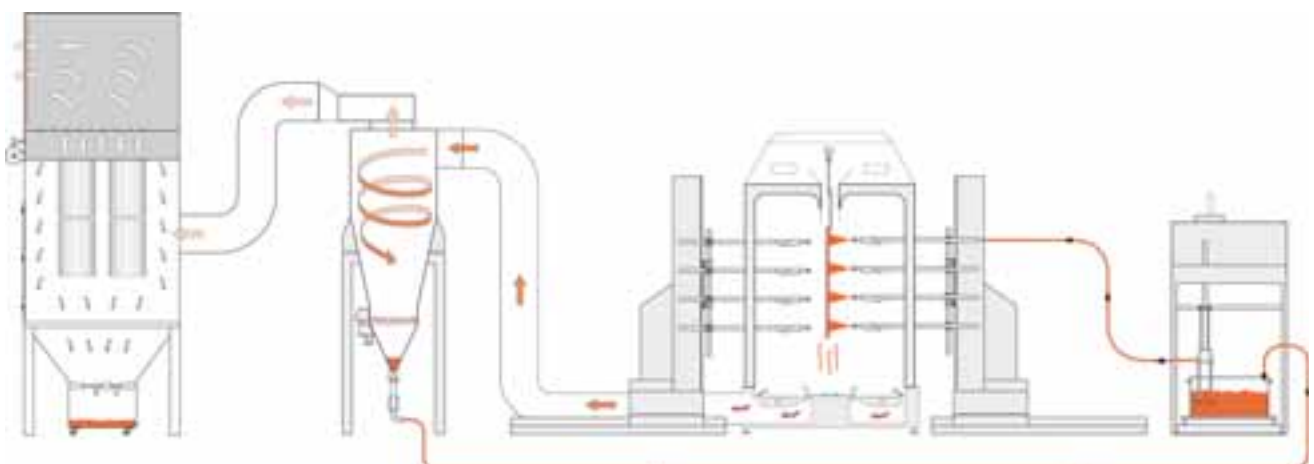
The powder can be used directly from the original 25 kg containers. Special fluidized containers are also available for the most difficult powders. The level probe ensures an even powder output and detects when the powder container is empty.

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



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.

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.



The powder coating world of ITW Gema



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



The benefits of MagicCompact

- Very short cleaning times
- Automatic cleaning without any mechanism
- Powder quantity in the recovery circuit reduced to a minimum
- Optimal coating conditions inside the booth
- Space-saving design
- Easy integration into a broad variety of system concepts

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