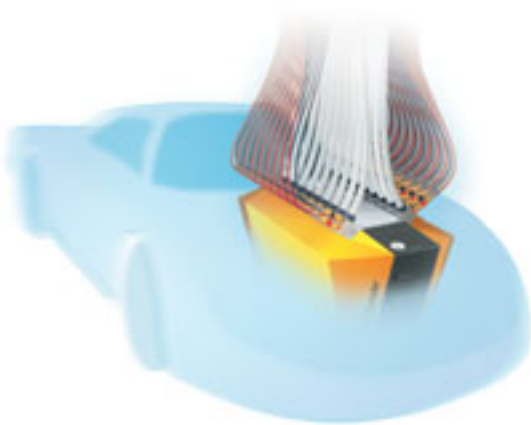


# MagicCenter

More power!  
More profitability!



## Powder management systems



The MagicCenter® is a fully integrated powder coating concept. Included in the system are the application controls, the axis controls and the fresh powder dosing system. The automated cleaning process cuts down the color change times significantly.

You power up your productivity and save time and money!

**TW**Gema

Your global partner for high quality powder coating

# More power! More profitability!



## Perfect powder management

The MagicCenter® is the heart of your powder coating system. Its easy and efficient powder management process is the key to improve your productivity. The gun controls, the axis controls and the fresh powder dosing system are integrated and perfectly coordinated.

## Revolutionary powder circuit

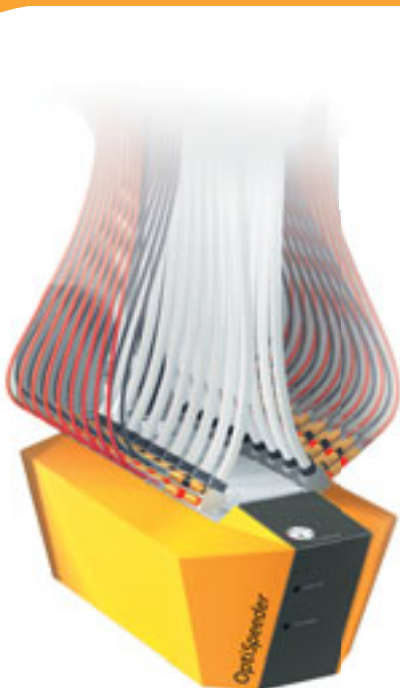
ITW Gema created the revolutionary sealed powder circuit! Powder cannot escape from the powder circuit, both during coating and during cleaning. This eliminates powder losses and maintains a cleaner working environment. Moreover it ensures a perfect protection from external contaminants.

## Trend-setting fresh powder dosing system

The Level Sensors maintain a constant powder level inside the OptiSpeeder®. The fresh powder is promptly conveyed from the manufacturers' powder bag directly to the OptiSpeeder to ensure a constant mix of fresh and recovered powder. This improves substantially the process stability and the application quality.



## OptiSpeeder®: the heart of the MagicCenter®



During operation the OptiSpeeder® provides a perfect powder conditioning due to its improved fluidization and to its advanced fresh powder dosing concept. Thanks to its optimized small dimensions the low-maintenance injectors can deliver the powder to the guns using less compressed air. This results in a softer powder cloud and improved application quality.

# Automated cleaning!

## Fully automatic and dust-free cleaning process

The operator simply starts the cleaning procedure by one button. The OptiSpeeder® is emptied automatically and all powder is recollected dust-free back into the powder bag. A special device is cleaning the inside of the OptiSpeeder®. The purging of the injectors and of all the powder hoses is completed quickly and efficiently with no powder escaping to the environment.

The operator does not have to interfere during all this process which is executed fully automatically. The elimination of the potential human mistakes makes the color change a quicker, cleaner and more reliable procedure. The MagicCenter® will increase your productivity and improves your quality!

## Efficient powder conveying

The conveying system of the fresh powder and of the recovered powder is based on the established OptiFeed® powder pump series by ITW Gema. These high volume, low pressure powder pumps are conveying the powder softly and gently to the OptiSpeeder®. The pumps do not include mechanical moving parts and therefore require a minimum of maintenance only.



## Ergonomic and easy to operate

All components of the MagicCenter® are arranged in the most ergonomic way. The lengths of the powder hoses are reduced to a minimum to enable a gentle powder conveying. Several sensors are permanently monitoring the coating process. The result is an improved coating quality, a better usage of the powder, less human errors and a cleaner workspace. You power up your powder coating and achieve higher profitability!

## Easy and quick installation

The MagicCenter® is delivered pre-assembled to the installation site. It includes all gun controls, axis controls and the fresh powder dosing system in one housing. The installation time of the MagicCenter® is reduced to a minimum and your production can re-start immediately.



# Don't leave quality to chance!



## Save powder

The integrated 100 kV cascade delivers the highest transfer efficiency. This means more powder on the work piece, less powder in the reclaim system! The patented DVC technology ensures a precise and constant powder delivery. This results in a more uniform distribution and lay down of powder.



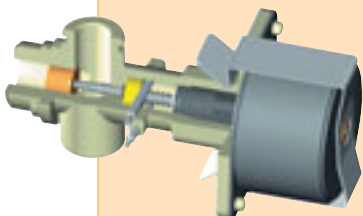
## Quality always at its best

The clear display makes it easy to find the optimal settings in every condition. 3 pre-set programs give you the best performance on flat parts, profiles and re-coating. Advanced users can create other programs customized to their own needs. The result? Perfect coating quality, reproducible time after time!

## OptiStar<sup>®</sup>: ergonomic and intelligent

### DVC-Technology

Digital Valve Control<sup>®</sup> (DVC) is the highly precise airflow control technology integrated in the OptiStar<sup>®</sup> control module.



The OptiStar<sup>®</sup> control module is the key to obtain accurate and reproducible coating results.

- Patented Digital Valve Control<sup>®</sup> (DVC) technology for accurate powder output control
- Clear visual display for direct access to all coating parameters: high-voltage, current limitation, powder output, air volume
- 3 standard programs (flat parts, profiles and re-coating) and 250 customized programs available anytime via the DisplayPilot
- Powder output alignment for all automatic guns
- PLC communication via the optional CAN-Bus or DigiBus
- Closed loop airflow control via the optional FlowControl<sup>®</sup>



### 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 **Digital Valve Control® (DVC)** for accurate powder output control
- DisplayPilot 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.



# Magical quick color changing!



## Color changes can be so quick and easy

The quick color change systems of ITW Gema's Magic series are designed in a compact and economical way. That's why all systems can be easily and efficiently cleaned. No cleaning machinery is necessary and the whole cleaning procedure is carried out by one operator only.

## Minimal powder quantity in the circuit

The booth floor of the MagicCompact® and the MagicCylinder® II systems are 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!

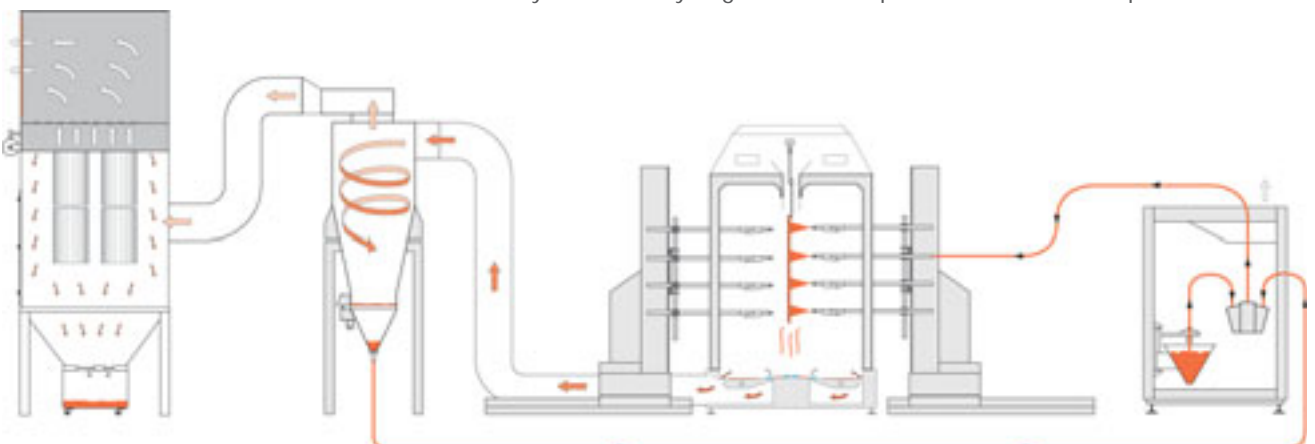
## Easy to integrate in plant configurations

The Magic systems 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 Magic quick color change systems. In our state-of-the-art test lab we determine in collaboration with you the optimal configuration, designed to your requirements and needs.



## 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.

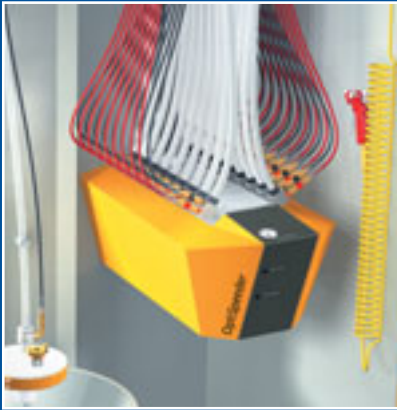
From simple manual coating units to fully automated powder coating systems, we offer the best possible solution to satisfy all of our customers in different countries and in different market segments, customers who all have their own individual needs and requirements. Our worldwide network guarantees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





## MagicCenter: Powers up productivity and profitability of your powder coating!

### The benefits of the MagicCenter® system:

- Simplified powder management
- Sealed powder circuit
- Cleaner working environment
- Elimination of powder losses
- Improved and more stable application conditions
- Constant mix of fresh and recovery powder
- Automatic cleaning process
- Improved usage of powder

MagicCenter®: the perfect powder system to automate, simplify and economize your coating process. Save time and money! Power up your productivity and your profitability!

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