

OptiFlex Automatic

Don't leave
quality to chance!



Automatic powder coating systems

High transfer efficiency, reproducible results and
the control of all gun parameters at one glance!

The OptiFlex automatic system leaves nothing to chance
and guarantees high-quality powder coating!

ITW Gema

Your global partner for high quality powder coating

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

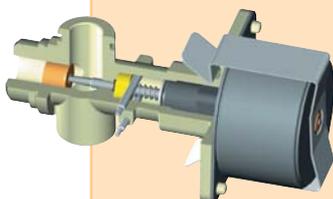
The clear display makes it easy to find the optimal settings in every condition. 3 pre-set programs give you the best performance on flat parts, profiles and re-coating. Advanced users can create other programs customized to their own needs.

The result? Perfect coating quality, reproducible time after time!

OptiStar: ergonomic and intelligent

DVC Technology

Digital **V**alve **C**ontrol (DVC) is the highly precise airflow control technology integrated in the OptiStar control module.



The OptiStar control module is the key to obtain accurate and reproducible coating results.

- Patented **D**igital **V**alve **C**ontrol (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 Display Pilot
- Powder output alignment for all automatic guns
- PLC communication via the optional CAN-Bus or DigiBus
- Closed loop airflow control via the optional FlowControl



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.

Perfection with any type of powder

Whether using Standard or Metallic powders, the patented gun body and cascade design ensure the optimum results at all times. This means you always serve your customers with perfect quality.

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 select the right program, even if the control module is out of your reach.



OptiGun and OptiSelect: robust and efficient

The OptiGun and OptiSelect powder guns integrate the most advanced powder charging technology. They are a perfect combination of coating efficiency and user-friendliness.

- Perfect transfer efficiency thanks to the 100 kV high performance cascade
- Wide range of nozzles and extensions to ensure optimum penetration into any part geometry
- Quick-release powder hose connector for easier maintenance and cleaning
- Lightweight and ergonomic manual gun with integrated remote control
- Compatible with metallic powders
- 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.



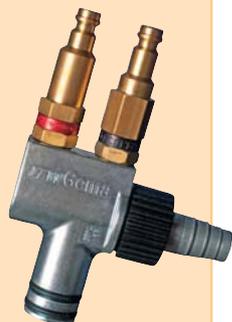
OptiFlex A2



The versatile, comfortable modular solution

OptiFlow

Uniform powder transport, stable powder delivery, easy-to-clean internal design and low maintenance costs are the main benefits of the OptiFlow powder injector.



User-friendly design and capacity for integration. The OptiFlex A2 meets these requirements all the way down the line. Thanks to its modular system, the unit can be perfectly tailored to the customer's needs.

- Modular system for up to 14 control units per cabinet
- Large and clearly readable display panels to read operating conditions
- OptiStar gun control unit with storage capacity of 250 programs each
- OptiMove control units for the reciprocators
- OptiAir control units, for hose rinsing and hopper fluidization
- Interlocking and data exchange with higher-level plant control unit
- PLC communication via the optional CAN-Bus or DigiBus

MagicControl CM-10



- Fully programmable, PC-based master control
- Large 12" TFT color touch-screen monitor
- Full control of all the system components as booth, guns, reciprocators, powder supply, object recognition system.
- Interlocking and data exchange with higher-level plant control units
- Storage of operating software and application programs on CompactFlash cards
- Integration into control cabinet or on swivel arm

OptiControl CM-20



- Fully programmable, PC-based module
- 5,7" color touch-screen monitor
- Controls guns, axis and object recognition system
- Interlocking and data exchange with higher-level plant control units
- Ideal solution to upgrade existing lines with advanced functionalities

Comfortable programming

You can overview the entire powder coating system and choose all parameters directly via the screen. The clear icons and action messages offer your coaters an intuitive operation of the control systems.



Individual storage

Your individual coating programs are precious, that's why you can store them onto CompactFlash cards.

Call up your specific programs via the icons to repeat your coating results at any time.



What is CAN-Bus/DigiBus?

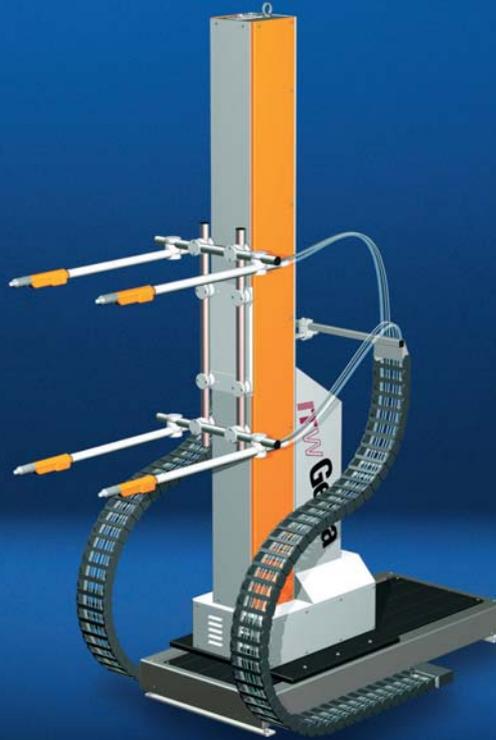
A bus is a transfer system with corresponding control components, which serves to exchange data and/or power between hardware components.

This technology allows the data exchange between the components of the ITW Gema system. Your work becomes more comfortable and process-safe!

OptiFlex A1



Reciprocator ZA



The basic solution for simple automatic systems

The OptiFlex A1 includes all basic functions which are necessary for high-quality coating. The compact system can be integrated into any existing powder coating plant.

- Modular system for up to 12 control units per cabinet
- Large and clearly readable display panels
- OptiStar gun control
- OptiMove reciprocator control
- OptiAir hopper fluidization control

Solid and maintenance-friendly

Quiet running, individual programming options and stability, together with heavy loading capabilities are the indispensable tools required for uniform powder coating. The ZA reciprocators perfectly meet these requirements and feature a solid and maintenance-friendly design. A broad array of translating and rotating axes complete the range.

- Long- and short-stroke operation
- Quiet running belt transmission
- Maintenance-free AC motor
- Space-saving column design

The OptiMove axis control unit is user-friendly and allows free programming.

- Teach-in function
- Up to 255 programs
- Segment operation and pendulum stroke
- Displayed cycle times
- PLC communication via CAN-Bus/DigiBus



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.

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).



The powder coating world of ITW Gema



Take advantage of OptiFlex.
Power up your productivity
and save money and time!



Get a grip on the entire system

Control and command all parameters of your system!

Measurable powder savings

Get your valuable powder on the object with uniform coating thickness.

Precise and stable powder delivery

Take advantage from the patented DVC (Digital Valve Control) technology.



Complete integration with all the system components

The CAN-Bus and DigiBus interfaces ensure a quick and reliable data communication.

OptiFlex

Reliability and flexibility for twenty-first century powder coating.



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