Take advantage of our expert knowledge and experience from more than 40 years of electrostatic powder coating applications. From simple hand coating through to fully automated powder coating, we offer solutions that meet the demands and requirements of customers around the world in a wide range of industrial sectors. A global service network ensures you always get professional support, at any time and anywhere! Our experience allows you to put our expertise at the service of your daily production, enabling us to exceed your expectations with coating set-aside standards in the surface coating industry.

**Gema Switzerland**

Your global partner for high quality powder coating

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MagicControl® CM30

Powerful and user-friendly

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Gun Control

Keep the pneumatic and electrostatic gun parameters under control! A constant powder output and even film thickness distribution are ensured by optimal gun settings. With just a few steps every single gun is optimally set and individually controlled with MagicControl where all parameters can be saved. The stored values can be adapted simultaneously for all guns or in groups.

The user-friendly parameter settings on the MagicControl touch screen takes place by means of a slider or with digital input values.

Axis Control

Precise axis movements with an easy programming! The MagicControl control unit adapts the stroke speed to the conveyor speed and ensures best coating results with perfect sinus movements. The strokes are regulated in 1mm steps. The powder application can be very precisely adjusted to any object dimension. Different segments with various strokes and speeds can be easily combined in one program. Even complex sequences with synchronized and rotating axis can be easily programmed with MagicControl.

System Control

One control unit for all components! The MagicControl control unit allows optimal adaption and monitoring of the complete coating system with just one unit. Different programs for coating, color change, automatic and manual coating, cleaning and maintenance can be assigned and adapted simultaneously. Therefore, an accurate and perfect automation of the coating system is achieved.

Part Detection

Trigger guns automatically according to object geometries! Conventional systems operate constantly, whereas the guns are kept activated permanently. With the Gema Gap-/Height-Detection the guns are automatically switched on/off.

MagicControl in combination with part detection enables programming of the optimal gun configuration for different part sizes with just a few steps. As a result the coating quality is improved and powder is saved.

Individual Data Storage

Create a data library for individual coating demands! Coating programs are valued. Therefore, we provide the possibility to save them on a Compact Flash-Card or in a higher level factory systems, to be used as required. Individual programs can be recalled at any time, reproducing exactly the requested coating result.

Remote Access

Easy access directly from a PC! The system control is easily accessible from a PC.

MagicControl provides a comfortable Remote Access to all system parameters at any time and anywhere.

If requested, Gema offers direct Online support from the headquarters to optimize your MagicControl control unit.

Diagnostic Function

Retain overview of the function status of the system, service notes and error messages! The extensive MagicControl diagnostic functions monitor the complete system.

The standard diagnostic functions comprise efficiency of operation of all components with target/actual value overviews, number of coated objects and light grid functions.

Additionally MagicControl offers the possibility to record and call the failure history. This allows us to incorporate to optimally adjust service intervals of the coating system.

Modular Concept

Set up the coating systems according to meet specific demands! With MagicControl the individual system components can be used separately freely and can be combined for specific coating requirements.

The standard configurations with touch screen, control cabinet, guns, axis control and computer software for the user can be extended at any time to meet future requirements or capacity improvements with an additional gun.