

# OptiSpray All-in-One

Dense-phase powder delivery and charging technology in one device



## Stable and reproducible powder output

OptiSpray All-in-One is the first unit in the powder coating industry that integrates electrostatics and SIT dense-phase powder delivery in one very compact device.

The unit allows a maximum coating performance and extends the application range significantly; covering high quality coatings, complex geometries and large area objects.

OptiSpray All-in-One specifically targets users who are looking for high end performance and consistent coating results.

Your global partner for high quality powder coating

 **Gema**

# Fusion of electrostatics and dense-phase powder delivery

## High-end powder feeding and charging

OptiSpray All-in-One merges charging technology with the proven linear SIT dense-phase powder delivery for straight-line powder transport through the pump without changing direction in one very compact device. This leads to a perfect interaction of the pneumatic and electrostatic application performance and ensures the most responsive powder feeding response to the gun. The delay-free control of the powder cloud produces the highest transfer efficiency.

The unit incorporates Gema's proven powder feeding and electrostatic technologies to ensure precise powder flow, the highest consistency providing best and constant application results.



OptiSpray All-in-One spray unit integrated in OptiCenter® (type OC10)



OptiSpray All-in-One spray unit integrated in OptiCenter (type OC11)

## Main features OptiSpray All-in-One

- All-in-One device - unique and patented product design
- Latest generation of Gema dense-phase technology: Smart Inline Technology (SIT) for linear and reproducible powder output
- Straight path design ensures highest cleaning efficiency due to shortest powder suction distances and bi-directional cleaning
- Gema electrostatic technology: PowerBoost® providing 110 kV for maximum powder charging capacity with OptiGun® GA04
- Precise Charge Control (PCC) for exact current control below 10  $\mu\text{A}$  for special powders and application needs
- Digital Valve Control (DVC) for precise powder output control
- Individual coating programs to cover all coating demands
- Bi-directional interface for connection to system control and production data monitoring (MagicControl 4.0 & GemaConnect®)



# Excellent coating quality



## Best coating results and fastest response times

- Consistent, gentle powder flow for uniform film thickness and repeatability
- Stable coating quality over long production times increases system efficiency providing high application quality, powder utilization and powder savings
- Improved application performance for all powder types
- Fast-reacting powder output with immediate control of powder cloud, constant powder flow and optimum coating results

## Powder flow under control

- Consistent and precise powder output
- The unique single chamber pump provides linear and smooth powder flow, reproducible coating results and significant powder savings.

## Highest cleaning performance

- Highest cleaning efficiency through bidirectional and pulsed cleaning of the straight powder path

## Maintenance was never so easy and fast

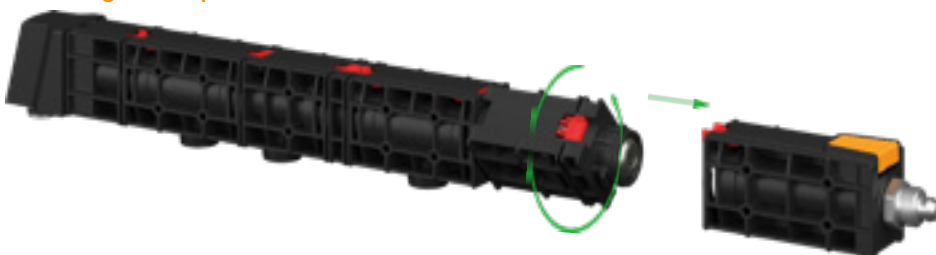
- Tool-less and fastest access to all wear parts

## Great features make your daily work easier

The optimized design with quick-release connections for powder, air and control as well as the tool-less replacement of wear parts enable a simplified installation and maintenance, thus reducing production downtime and labor time.

The unit offers also preventive maintenance functionalities supported by integrated sensors and software algorithms, which increase the availability of the equipment and the productivity. Additional sensors in the control circuit detect the current pump status, providing timely information and warnings. As a result, this gives you an overview of the condition of the equipment and allows you to manage the service needs to maintain performance.

## Fastest maintenance: Modular process zone with quick-release fasteners and retractable cartridges for pinch valve and filter



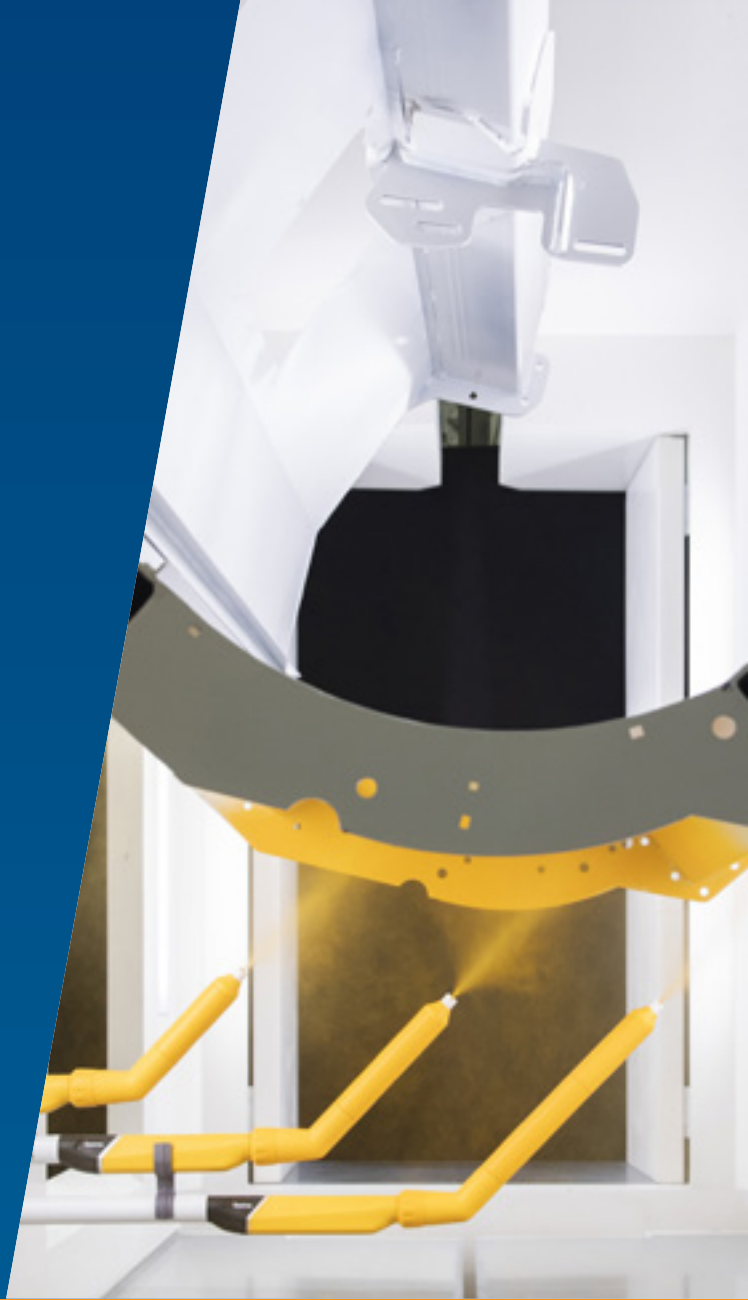
*Tool-less access to wear parts; quickest assembly and disassembly*

## Gema Switzerland

### Your global partner for high quality powder coating

Take advantage of our expertise and experience from more than 50 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 any place!

Gema is part of Graco Inc. Our goal is to help our customers to increase their productivity while creating attractive, long-lasting products. Our experts continually set new standards in the surface coating industry.



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