

# OptiFlow IG07

Single-component cartridge design providing even greater consistency for the powder flow



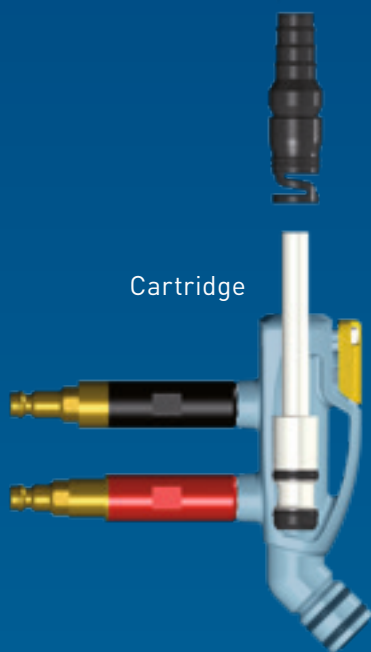
## The first choice in injector technology

Benefit from the most advanced injector technology on the market!  
The new OptiFlow injector ensures even greater long term consistency and repeatability of the powder flow.  
The injector's unique single-component cartridge design reduces wear consumption, guarantees a long term consistent powder flow and enables even faster wear part exchange.

Your global partner for high quality powder coating

 **Gema**

# State-of-the-art injector technology



## Single-component cartridge design

The new generation of OptiFlow Injector optimizes the Venturi principle in relation to transfer efficiency and minimal wear. Gema uses the unique Inline Design to consistently and gently transport the powder from the powder hopper to the powder gun. This maintains optimum powder condition and ensures minimal wear part consumption. By simply exchanging the innovative single-component cartridge incorporating the injector nozzle and conveying insert, the injector performance is optimally maintained. The usage of fewer parts and the seamless design of the injector improves the ability for fast color changes.

## New injector technology - «Plug & Convey»

All connections are equipped with a robust quick release mechanism, disconnected and reassembled with ease. This «Plug & Convey» feature reduces maintenance and accelerates the color change time.



## Key features OptiFlow injector

- Cartridge design merges injector nozzle and conveying insert into a single component
- Powder outputs of up to 450 g/min achievable depending upon hose length and diameter
- Quick release design for the powder hose
- Unique Inline Design
- Cartridge sleeve manufactured from high quality non stick materials
- Robust diecast injector housing
- Quick disconnect air connections



# Precise and reliable powder flow

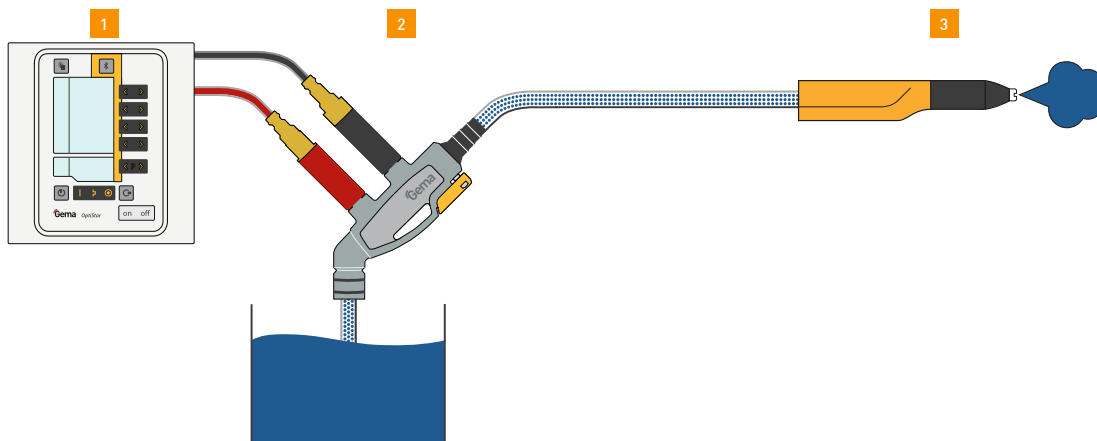
## Customer benefits OptiFlow injector

- Innovative single-component cartridge design for consistent powder output
- Consistent powder flow for uniform film thickness
- Colour change optimized through Inline Cartridge Design
- Quick and easy maintenance through simply replacement of the easily accessible cartridge
- «Plug & Convey» function for fast color change and cleaning
- Ease of integration into existing coating systems



## Perfect component interaction for optimum coating results

- 1 The OptiStar control unit precisely controls and adjusts all pneumatic and electrostatic parameters of the application.
- 2 The OptiFlow injector precisely conveys the powder from the powder supply to the gun ensuring a consistent powder flow and uniform powder output.
- 3 Gema powder guns offer the highest transfer efficiency and perfect quality for every application and are the ideal solution for frequent color changes.



## 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.



Gema Switzerland GmbH reserves the right to make technical modifications without notice. Illustrations in brochures may contain special options and do not necessarily correspond to the standard version. EquiFlow, Gema, MagicCompact, MagicControl, MagicCylinder, OptiCenter, OptiFlex, OptiFlex Pro, OptiFlow, OptiGun, OptiSelect, OptiSpeeder, OptiStar, OptiStar All-in-One and PowerBoost are trademarks of Gema Switzerland GmbH.

#### Gema Switzerland GmbH

Mövenstrasse 17 | 9015 St.Gallen | Switzerland

T +41 71 313 83 00 | F +41 71 313 83 83

[www.gemapowdercoating.com](http://www.gemapowdercoating.com)

