

# Gema Powder Coating Equipment



Surface Finishing  
Equipment Group

Powder coating is accepted as a solution to increasingly stringent environmental regulations, rising costs, and demands by consumers for higher quality and more durable products.

The Surface Finishing Equipment Group work in conjunction with GEMA, the industries global powder coating equipment development pioneer. We provide everything from manual machines, automatic guns, reciprocators, powder booths, colour change systems, along with the after sales support of spares servicing, and spares.

## Gema Powder Coating Equipment Range

- Complete Powder Coating Plants
- Gema Optiflex Pro Manual Machines
- Gema Opti Automatic Guns and Reciprocators
  - Booths and Curing Ovens
- Powder Feed and Colour Change Systems



## THE SURFACE FINISHING EQUIPMENT GROUP are :-

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# OptiFlex® Pro Spray Units

Manual units series for the most stable powder output



## Power - Quality - Control

The OptiFlex Pro Spray manual units in combination with OptiSpray AP01 application pump stand for superior application performance over long production periods for manual coatings with frequent color changes and applications that require stable powder outputs.

The integrated AP01 application pump with its unique single chamber system and the OptiStar 4.0 gun control with the PowerBoost technology guarantee the user powder savings, stable coating results and maximum area performance.

Your global partner for high quality powder coating

 **Gema**



### Maximum power

The new OptiSelect Pro gun features a particularly robust and durable design. The ergonomic and light-weight gun is well-balanced in the hand, has a good grip and enables you to coat efficiently and faster. The newly developed PowerBoost technology of the OptiFlex Pro series offers the highest powder charging capacity and delivers an outstanding coating performance.

The new feature completes the proven high-voltage functionalities, such as PCC mode, presets and individual coating programs.

### Processes any powder

The OptiSelect Pro gun offers the flexibility and control needed to achieve an excellent finish with any powder.



### Optimized nozzles for outstanding results

New generation of nozzles ensure excellent powder distribution and penetration, which is required when coating difficult geometries.



The OptiStar 4.0 gun control precisely controls and adjusts all pneumatic and electrostatic parameters of the application.

### OptiStar® 4.0 - the benchmark for gun controls

- The PowerBoost technology offers maximum coating performance over the entire working area through highly efficient charging of the powder particles. This achieves higher productivity, faster conveying speeds and maximum area performance.
- Precise Charge Control Mode (PCC) for high-quality coating tasks
- Three standard programs (flat parts, profiles and re-coating) make the coating easy for beginners.
- The intuitive display makes it easy for any user to set and program the optimum parameters. The result is a perfect coating quality that can be reproduced at any time.
- Digital Valve Control Technology (DVC) for precise powder delivery
- Electrostatic App (E-App) for transparency in the coating





OptiFlex® Pro B Spray



OptiFlex® Pro F Spray

	OptiFlex Pro B Spray	OptiFlex Pro F Spray Version I	OptiFlex Pro F Spray Version II
Consistent coating quality	✓	✓	✓
Fast color change	✓	✓	✓
Conveying from	Original box	Fluidized powder container	Fluidized powder container
No. of guns	1	1	1
Powder output	300 g/min	300 g/min	600 g/min
Extension kit for one additional gun	✓	✓	✓

The manual unit OptiFlex Pro F Spray with two OptiSpray AP01 application pumps (Version II) is specially developed for the application of high film build and for high powder output volumes.

### OptiSpray AP01 – for a stable powder output

The application pump OptiSpray AP01 opens up new levels for constant and repeatable high quality coating results over extended production periods.

The unique single-chamber conveying system, the innovative design with Smart Inline Technology (SIT) and the linear powder flow result in a gentle and regular powder feed.

#### Benefits OptiSpray AP01

- Stable application quality over extended time and long distances
- Fast and easy color change
- Automatic cleaning program for color change
- Up to 15 % powder savings
- Easy maintenance
- Automatic wear part diagnostic



Unique single chamber design with SIT concept (Smart Inline Technology)

#### OptiFlex Pro Spray units with AP01 application pump:

- Stable and repeatable powder output
- Powder hose up to 20 m

## 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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