

**ITW**Gema



**The ergonomic manual gun for fatigue-free and efficient coating**

**Constantly high transfer efficiency**

**Ergonomic design, comfortable in-hand balance and optimized weight (520 g)**

**Integrated high-voltage cascade**

**Integrated electrode rinsing air**

**Ideal for metallic powders**

**Remote control for user comfort and flexibility**

**Quick-change hose connector with grounding connection**

**Easy one-finger trigger pull**

**Maintenance friendly**

**OptiSelect**



## OptiSelect

### Coating comfort and flexibility

The integrated remote control ensures maximum coating comfort and flexibility.

The plus and minus keys on the remote control operate the following features:

- modify powder delivery
- program switch on the control unit



### Quick-change connector for the conductive powder hose

The quick-change connector for the powder hose allows quick color changes and comfortable one-hand operation.

The hose connection is designed so that the conductive powder hose is automatically grounded.



### Wide range of extensions

As an operator you will need the ideal distance to the workpiece for each coating application. For this we can offer you a wide range of extensions.



### Optimized atomization for your powder coating application

Each application requires the right nozzle depending on the powder and geometry of the workpiece. Complicated parts and recessed items are covered by our wide range of flat nozzles. For flat parts and high surface performance, we offer different types of deflector plates. The patented electrode rinsing air prevents gun spitting and re-sprays.



The retrofittable **SuperCorona**<sup>®</sup> head-piece is used in all cases, where thicker coatings and a high optical coating quality is required. A further area of use is the coating with textural powder, where the **SuperCorona**<sup>®</sup> leads to substantially balanced pattern.



## OptiSelect For fatigue-free coating

For fatigue-free coating, a manual gun has to be perfectly balanced, light and ergonomic. During the development phase of the **OptiSelect** series, a special focus was put on these important criteria. Including remote control, quick-change connector and electrode rinsing air, the **OptiSelect** gun only weighs **520 grams!**

The sealed gun-body design ensures longer life and better reliability. This allows to spray all metallic powders without any additional module.

High transfer efficiency, optimized and consistent coating results are obtained thanks to the integrated high-voltage cascade with 100 kV.

The quick-hose connector for the grounded powder hose and the on-gun remote control also contribute to comfortable and quick coating.

**OptiSelect** is tested in compliance with the standards in force (PTB, FM, ATEX), which provide you all the safety you require.



- |  |   |
|--|---|
| ① Nozzle with electrode rinsing air      | ⑦ Grounded gun handle                   |
| ② Threaded sleeve                        | ⑧ Flexible powder cable                 |
| ③ Integrated 100 kV high-voltage cascade | ⑨ Connection for conductive powder hose |
| ④ Hook                                   | ⑩ Rinsing air connection                |
| ⑤ Remote control                         | ⑪ Trigger                               |
| ⑥ Remote control keys                    | ⑫ Quick-change connector                |



## Technical Data OptiSelect

Electrical Data	
Rated input voltage	10 V eff.
Frequency	ca. 18 kHz
Rated output voltage	100 kV
Polarity	negative (positive as option)
Max. output current	100 µA
High voltage display	by LED
Type of protection	IP 54
Ignition protection	Ex 2mJ T6 (Typ A)

Dimensions	
Length	321 mm
Width	43 mm
Height	240 mm
Weight incl. remote control, quick coupling and electrode rinsing air	520 g



### Certificates

PTB  
ATEX  
FM

**ITW Gema**

ITW Gema AG  
Mövenstrasse 17  
CH-9015 St.Gallen  
Switzerland

Tel. (+41) 71-313 83 00  
Fax (+41) 71-313 83 83  
info@itwgema.ch  
www.itwgema.ch



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**OptiFlex**

Reliability and flexibility  
for the powder coating  
into the 21<sup>st</sup> century