OptiStar® 4.0 Gun Control

The benchmark for the efficient gun control

Outstanding performance and process control

OptiStar 4.0 gun control ensures an optimized application with an exceptional coating result. The new generation of OptiStar presents the proven DVC- and PCC-Technologies and the new Electrostatic App, delivering an intelligent control to provide a seamless link to Smart Factory Automation.
With the new Electrostatic App, essential application data and parameters can be retrieved at any time, with crucial coating information and statistics available via your mobile device. This opens up new possibilities for process control.

Your global partner for high quality powder coating

Gema

The premier gun control

Ergonomic and precise

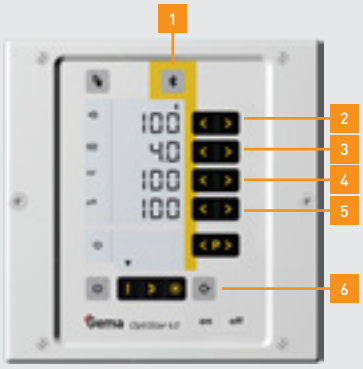
The precise application and intuitive handling of OptiStar 4.0 set new standards in gun control technology. With its clear display, all coating parameters (high voltage, current limit, powder output, air volume, electrode rinsing air, fluidizing air) are simply accessed and directly controlled.

Improved performance and longevity

Optimized functions and the usage of the latest generation of electrical components, guarantee high performance and improved control of the charge technology.

Repeatability

In addition to three preset standard programs, individual coating programs can be saved. Up to 250 customer-specific programs can be stored and individually retrieved at any time. This ensures repeatability and consistently outstanding coating results.
The communication with higher level control systems takes place with CAN-Bus technology.



1 Connect to E-App
2 Powder output
3 Total air volume
4 High voltage
5 Spraying current
6 Preset programs

Highest coating quality

The proven DVC- and PCC-Technologies allow you to control crucial parameters such as high voltage, spraying current and powder output, achieving perfect and repeatable coating results.

DVC-Technology

The Digital Valve Control (DVC) allows a precise and repeatable setting of the powder output.

PCC-Technology

For the use of all powders, including metallic and special effect materials, OptiStar uses the Precise Charge Control (PCC), which guarantees exact current control below 10 µA in 0.5 µA increments.
This prevents overcharging of challenging powders.

OptiStar 4.0 providing the link for Smart Factory Automation

Intelligence and flexibility

The Electrostatic App is an innovative feature that allows you to control the coating process improving flexibility and efficiency.
This makes OptiStar 4.0 a pioneer of Smart Factory Automation for the powder coating facility.
The App can be used to control the application parameters on either a single or a group of gun controls.

Electrostatic App for greater efficiency

Electrostatic App opens up a whole new range of options for process control – ranging through from Line Management to equipment maintenance data.
Relevant process data and application parameters are visible on a mobile device and can be directly adjusted and controlled.
Coating process calculations and statistics are automatically available at any time. This saves time and improves the efficiency of the powder application process.

Functions of Electrostatic App

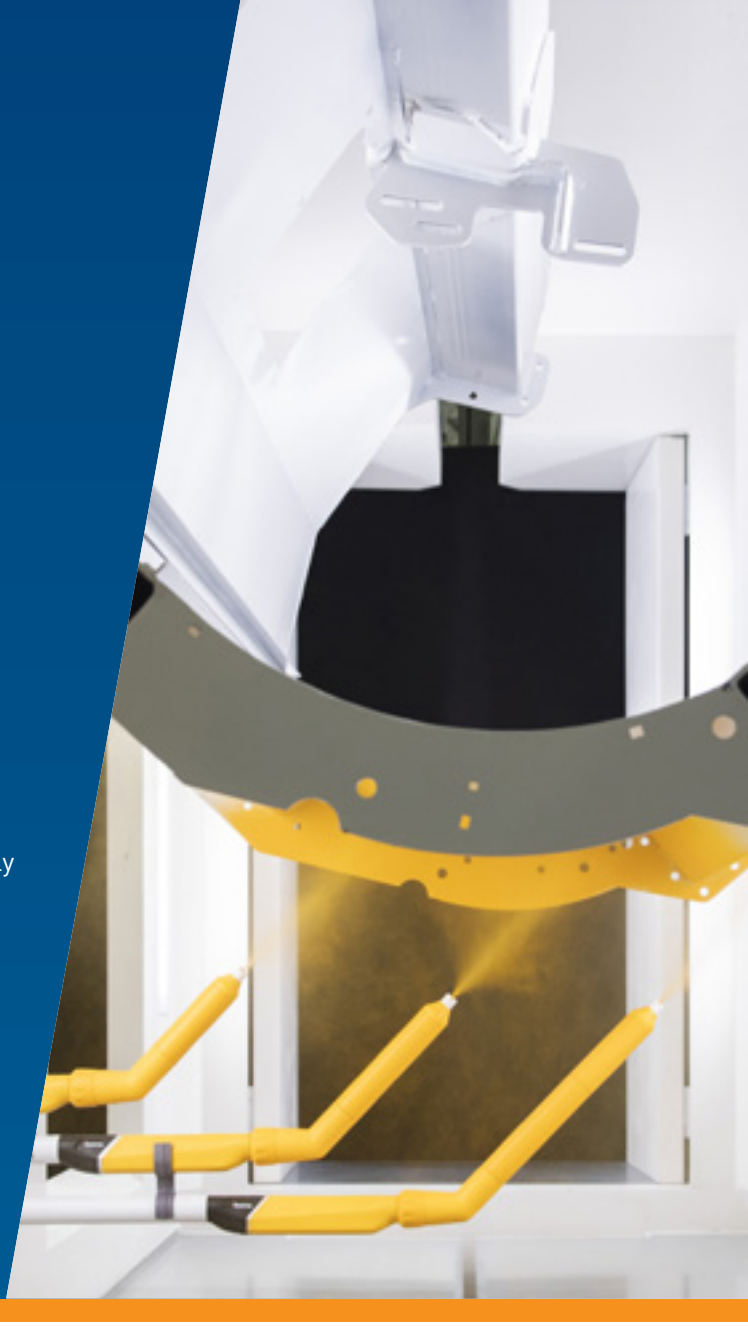
With the 4 functions of the App the coating process can be monitored and controlled via a mobile device:

Application: All essential coating parameters are clearly visible on a Smart Device and can be directly adjusted and controlled.
Line Management: Retrieve coating process productivity data at any time. Important statistics and cost calculations from production are automatically generated. Maintenance schedules can easily be reviewed at the touch of a button.
Setup: With this function the configuration of the OptiStar is defined. OptiStar can be controlled as single device or in a group of control units. System information and diagnostic data are easily retrievable and can be sent via e-mail.
Service: Direct access to the user manuals of the system components as well as the Gema website.

Operating system:	IOS + Android
Availability:	Mobile App-Stores
Optimized for:	6” screen size

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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Gema Switzerland GmbH
Sommeraustrasse 5 | 9200 Gossau | Switzerland
T +41 71 313 83 00 | www.gemapowdercoating.com