

**Simple, self-explaining, with the capacity to store individual settings**

**Display pilot with 3 preset programs**

**20 coating programs**

**DVC  
Patented Digital Valve Control for precise and reproducible powder output**

**Gun purge programme**

**Constant powder charging conditions**

**Uniform powder distribution**

**Constant spray pattern**

**Continuous compensation of compressed air and dynamic pressure variations**



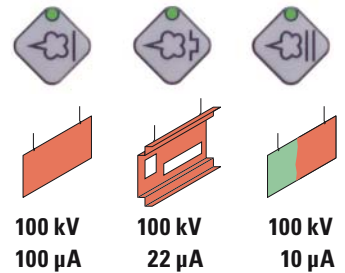
**OptiStar**



## OptiStar

### Display Pilot

The **OptiStar** control unit includes 3 preset standard programs. They are perfectly configured to coat flat parts, complicated parts, recoat parts and can be easily selected via the display pilot.



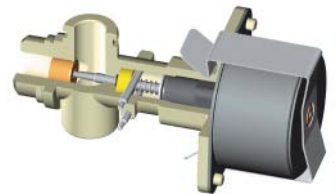
### Free program selection

Up to 20 coating programs can be stored in the **OptiStar** control unit. High voltage, spraying current, powder output and total air volume are comfortably and precisely controlled via the foil keyboard.



### High-tech for perfect powder output

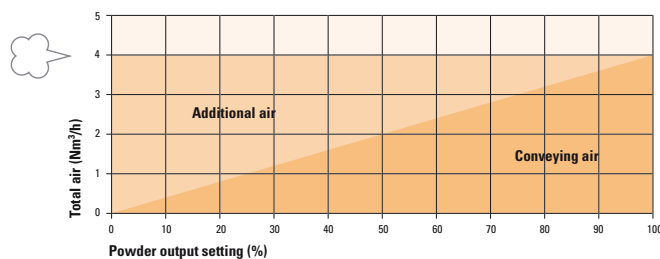
The patented DVC technology (Digital Valve Control) guarantees a highly precise powder output and reproducible coating results.



### Constant total air quantity for powder conveying and coating

With the newly developed **OptiStar** control unit coupled with the patented Digital Valve Control, all important process parameters are controlled for exact coating results.

The air for powder conveying and coating is controlled via a microprocessor. The total air quantity is kept constant, independently from the powder quantity. Key advantage: the coating can be applied either with a constantly soft or a slightly stronger powder cloud.



## OptiStar For highly precise spraying current adjustment

### Why adjust the spraying current and not the high-voltage?

A car is equipped with a motor and an accelerator pedal. The motor generates the power whereas the accelerator controls the speed.

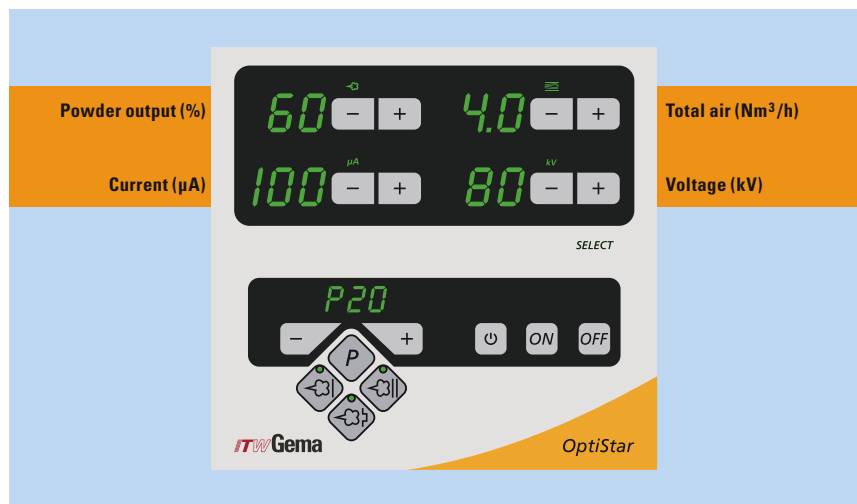
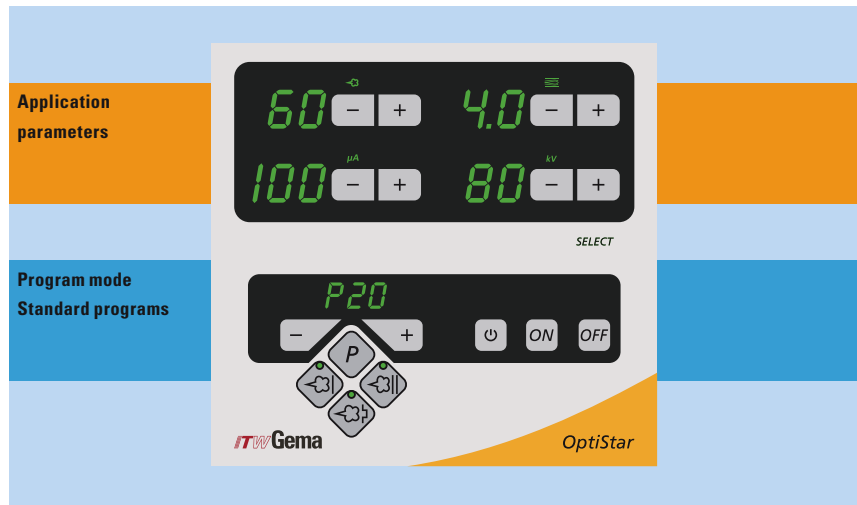
An electrostatic powder gun is similar: kV shows the power of the gun, but the coating is controlled via the accelerator, i.e. via the spraying current adjustment. Simple and efficient.

A control unit has to be intuitive to use. All relevant parameters can be seen at a glance. During the development phase of the **OptiStar** control module, a special focus was put on these key points.

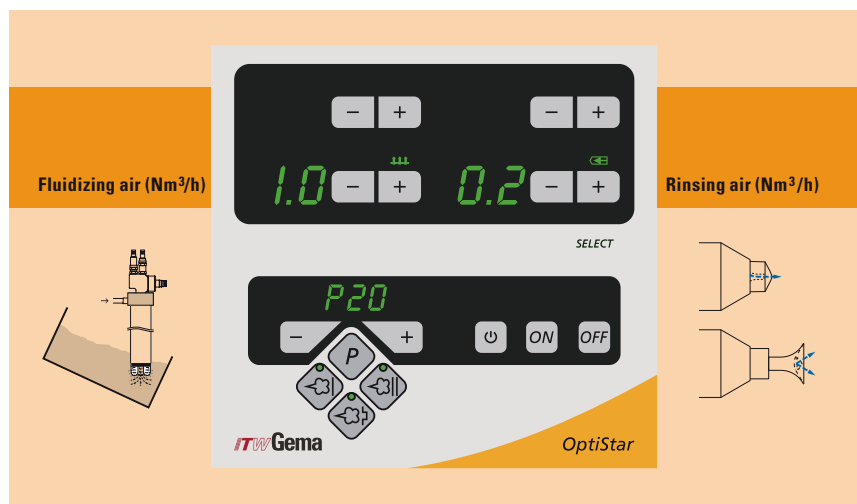
### An myriad of functions in a compact appliance

- Setting and display of the values on two levels
- Storage/call-up of the process parameters in form of programs
- Control of the air quantity and vibrator (**OptiFlex B**) as well as the stirrer unit (**OptiFlex S**)
- Program selection via the **Opti-Select** manual gun

### OptiStar operating panel level 1



### OptiStar operating panel level 2



Are you in trouble? No problem, the **OptiStar** HelpCodes provide immediate help!



## Technical Data OptiStar

### Electrical Data

Rated input voltage/Connected load	100 – 240 VAC/40 VA
Frequency	50 – 60 Hz
Rated output voltage (to gun)	max. 10 V eff.
Rated output current (to gun)	max. 1 A
Vibrator connection and -power (at AUX-Output)	110/220 VAC max. 100 W
Type of protection	IP 54
Temperature range	0 °C to +40 °C +32 °F to +104 °F

### Pneumatical Data

Main compressed air input (at control module)	Angled connection 8 mm
Main compressed air input (at filter unit)	G ¼" internal thread
Max. input pressure	10 bar/145 psi
Min. input pressure (dynamical)	6 bar/87 psi
Max. water vapor content of compressed air	1,3 g/Nm <sup>3</sup>
Max. oil vapor content of compressed air	0,1 mg/Nm <sup>3</sup>

### Measurements

Length	248 mm
Width	250 mm
Height	174 mm
Weight	5,2 kg

### Certificates

PTB  
ATEX  
FM

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**OptiFlex**

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