

Easy for beginners, powerful for specialists

The **OptiStar** offers **3 pre-set standard** application programs for flat parts, profiles and recoating based on Gema experience. Advanced users can create and store a **library of application programs**, optimized for their parts and powder.



Clear
interface

Easy
for beginners

Powerful
for specialists



Power on your fingerprints

- The **OptiStar** control features the most advanced technologies to control the powder application:
 - **PCC** technology allows to optimize the electrostatic charging even with challenging powders
 - **DVC** technology grants the most precise and repeatable powder output settings
- A clear and easy to use interface makes it easy for every user to take advantage of these powerful technologies



Easy control of the application parameters

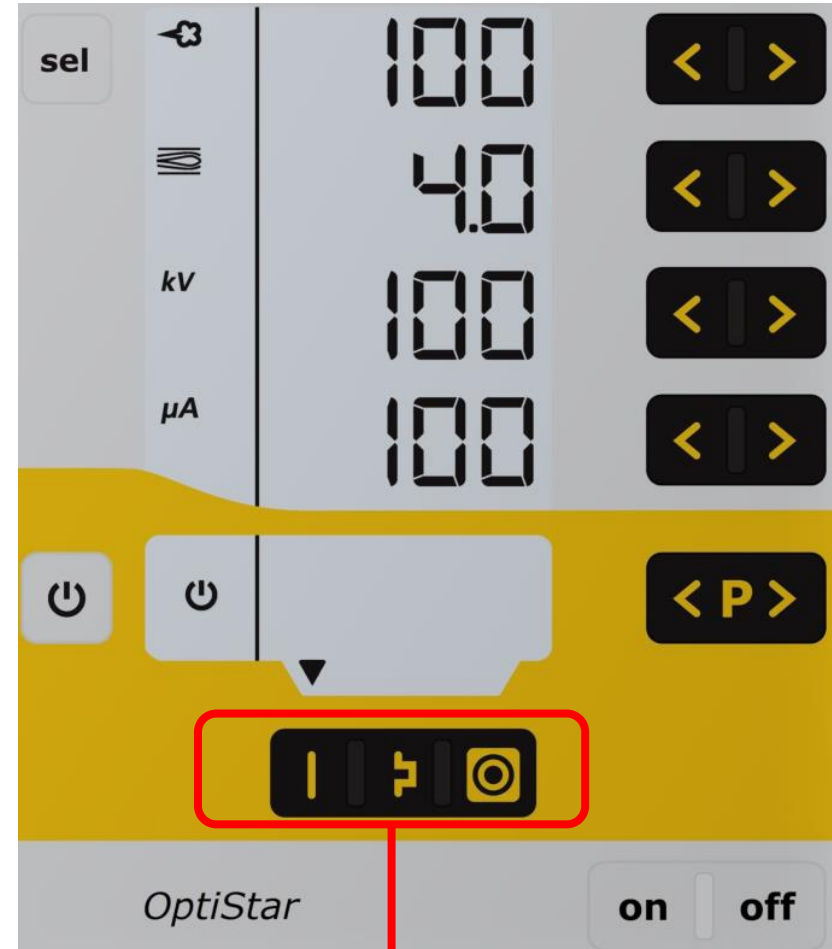
The image shows a control panel for the OptiStar device. It features a digital display with four rows of adjustable parameters. Each row includes an icon, a numerical value, and adjustment buttons. The parameters are:

Icon	Value	- +	Parameter	Unit
	100	< >	Powder Output	(in %)
	4.0	< >	Total Air volume	(in Nm ³ /h)
kV	100	< >	High Voltage	(in kV)
μA	100	< >	Charging Current	(in μA)

Additional controls include a 'sel' button, power buttons, a '< P >' button, and a bottom section with the 'OptiStar' logo and an 'on | off' toggle switch.

Pre-set application programs

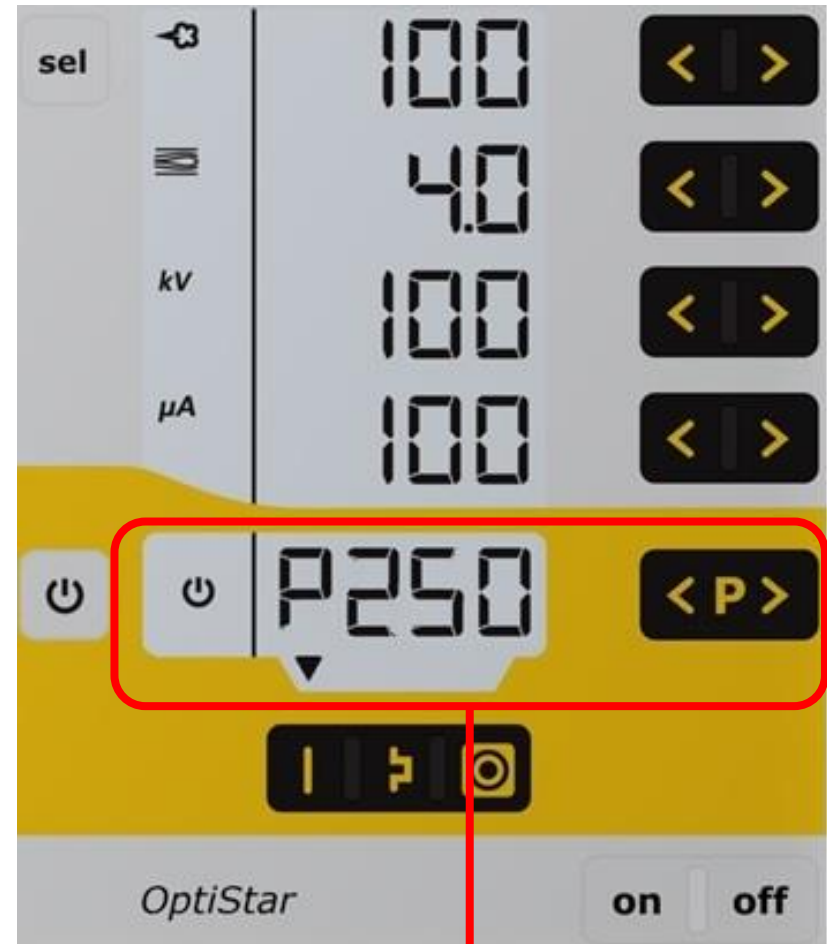
- **3 pre-set application programs**, based on Gema's 40 years experience, are a great help for less experienced users.
 - The **flat parts program** is ideal for the coating of panels and flat parts.
 - The **complex parts program** is designed for the coating of three dimensional parts with complex shapes such as profiles.
 - The **recoat program** parts is optimized for the re-coating of parts which have already been coated.



**Pre-set
Application Programs**

Application programs library

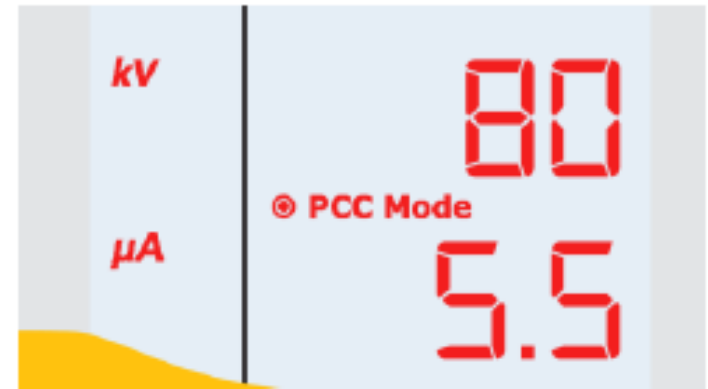
- Advanced users can create and easily recall their **library of application programs**.
- Each program **includes all the application parameters** (powder output, air volume, high voltage, charging current).
- The programs are **automatically saved** and can be easily recalled when required.
- Each part can be coated always with its ideal settings. **This strongly improves the application quality.**



Application Programs Library

Advanced features

- **Precise Charge Control (PCC)** mode is automatically activated when Current is set below 10 μA .
 - HV / Current display turns red
- **Rinsing** mode is used to remove powder accumulations from the injector / hose / gun.
 - Display shows a rotating green symbol.
- **Brightness regulation** ensures optimal visibility in every ambient



Advanced features

- The control unit offers the possibility to **monitor wearing parts** using up to 4 working hours reverse counters
- **Powder output correction factor** compensates the different hoses lengths and makes sure that all guns have the same powder output
- **Keyboard lock** prevents accidental modification of the parameters
- In case of failure the display shows an error code for **easier troubleshooting**

