Quick and easy control of multiple guns

The **MultiStar** control is very easy to operate and allows to set the application parameters of up to 12 guns simultaneously.

MultiStar Unit

MultiStar Extend Unit

Clear interface	Easy for beginners	Powerful for specialists

A powerful system, easy to extend

- The **MultiStar** unit can control up to **6** guns.
  It includes a clear control panel and the digital I/Os to interconnect with the rest of the system.

- The **MultiStar Extend** additional unit is used when more than 6 guns are needed.
  The combination of
  MultiStar + **MultiStar Extend** can control up to **12** guns.
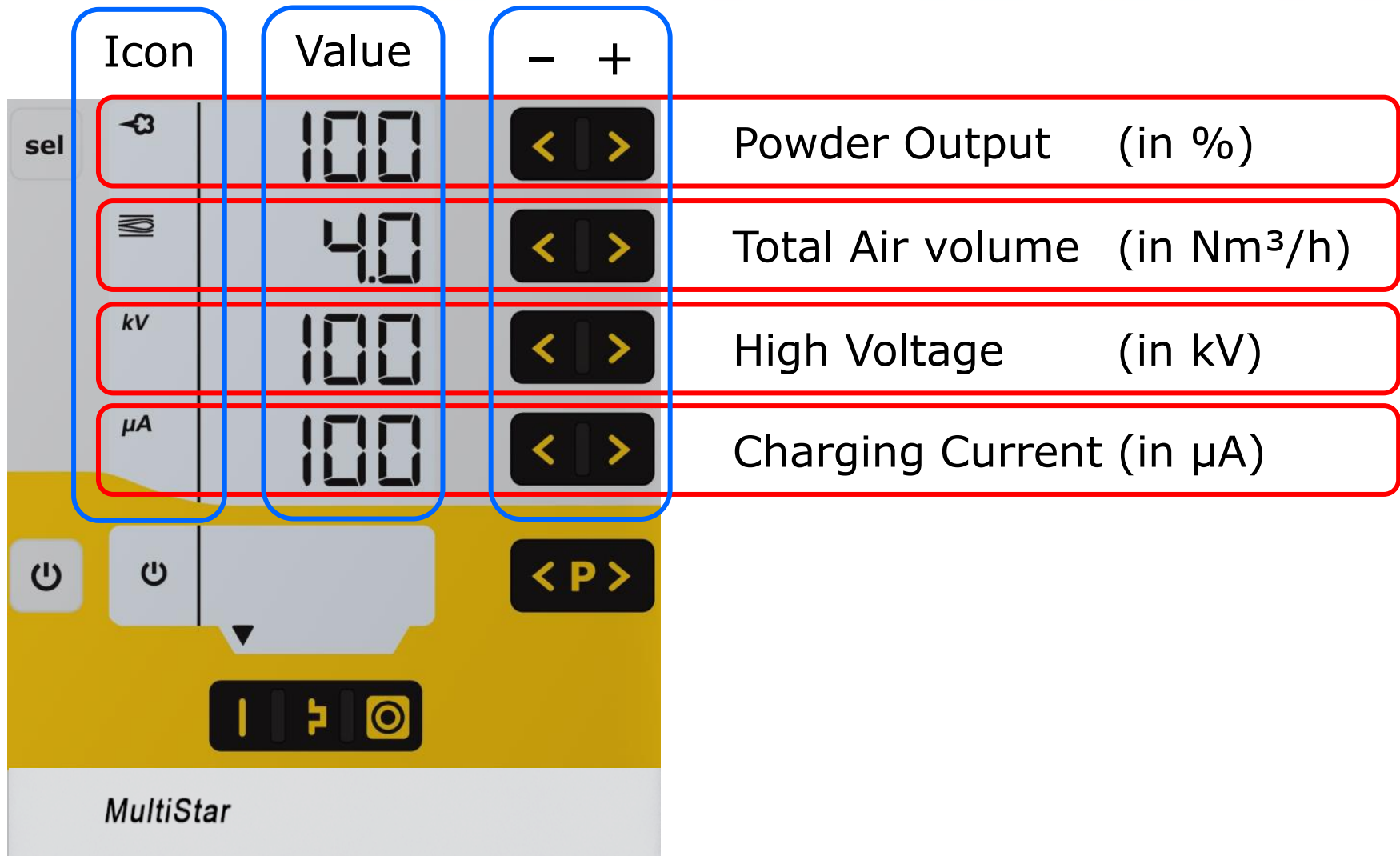
MultiStar Unit

MultiStar Extend Unit

Power on your fingerprints

- The **MultiStar** control features the most advanced technologies to control the powder application:
  - The **high voltage & current control** technology allows to optimize the electrostatic charging even with challenging powders
  - The **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

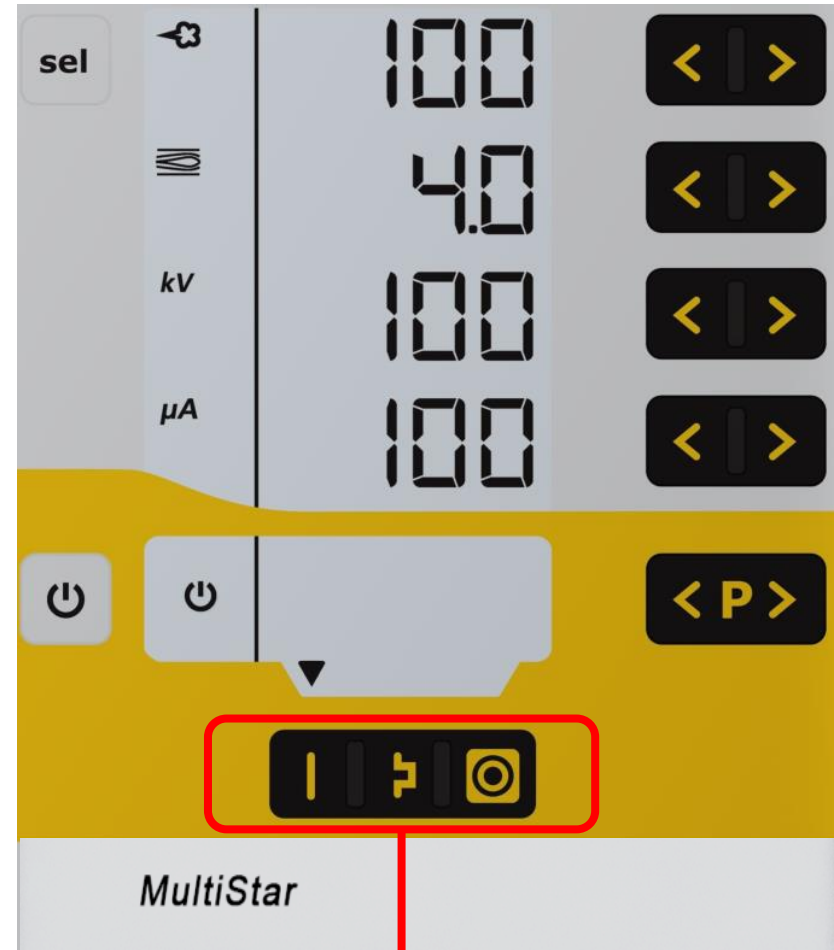| Icon	Value	− +	
✿	100	‹ │ ›	Powder Output (in %)
≋	4.0	‹ │ ›	Total Air volume (in Nm³/h)
kV	100	‹ │ ›	High Voltage (in kV)
µA	100	‹ │ ›	Charging Current (in µA)

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MultiStar

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.
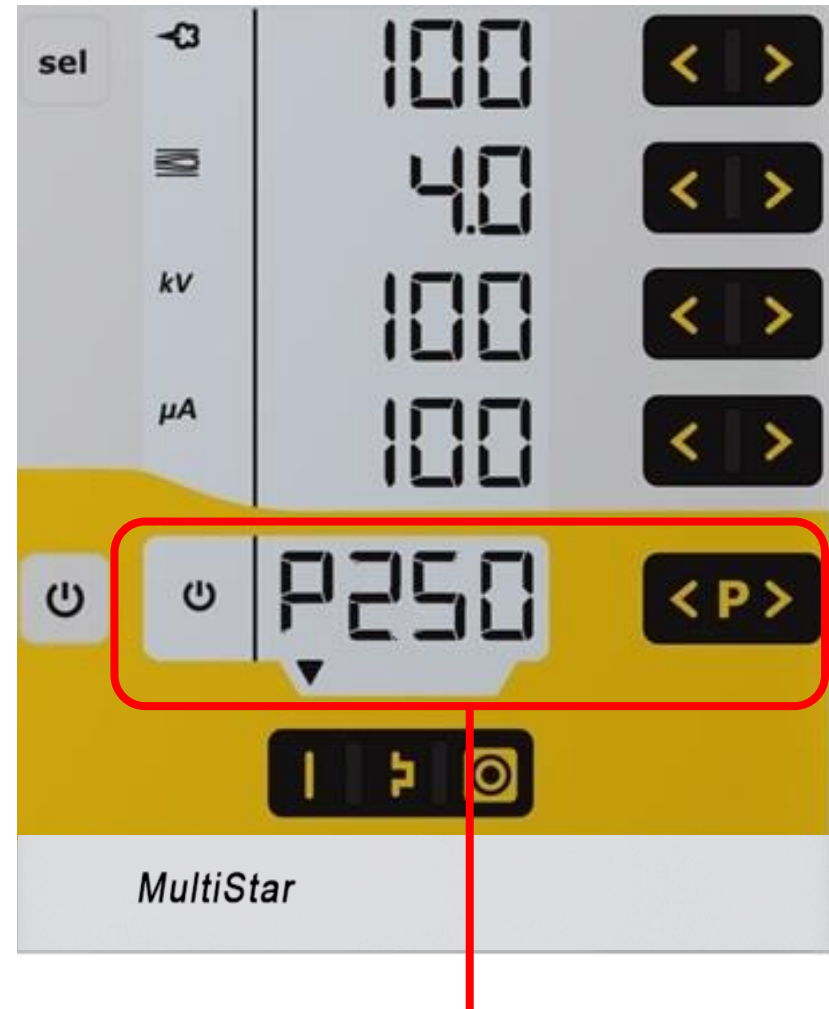
  The **recoat program** parts is optimized for the re-coating of parts which have already been coated.

Pre-set Application Programs
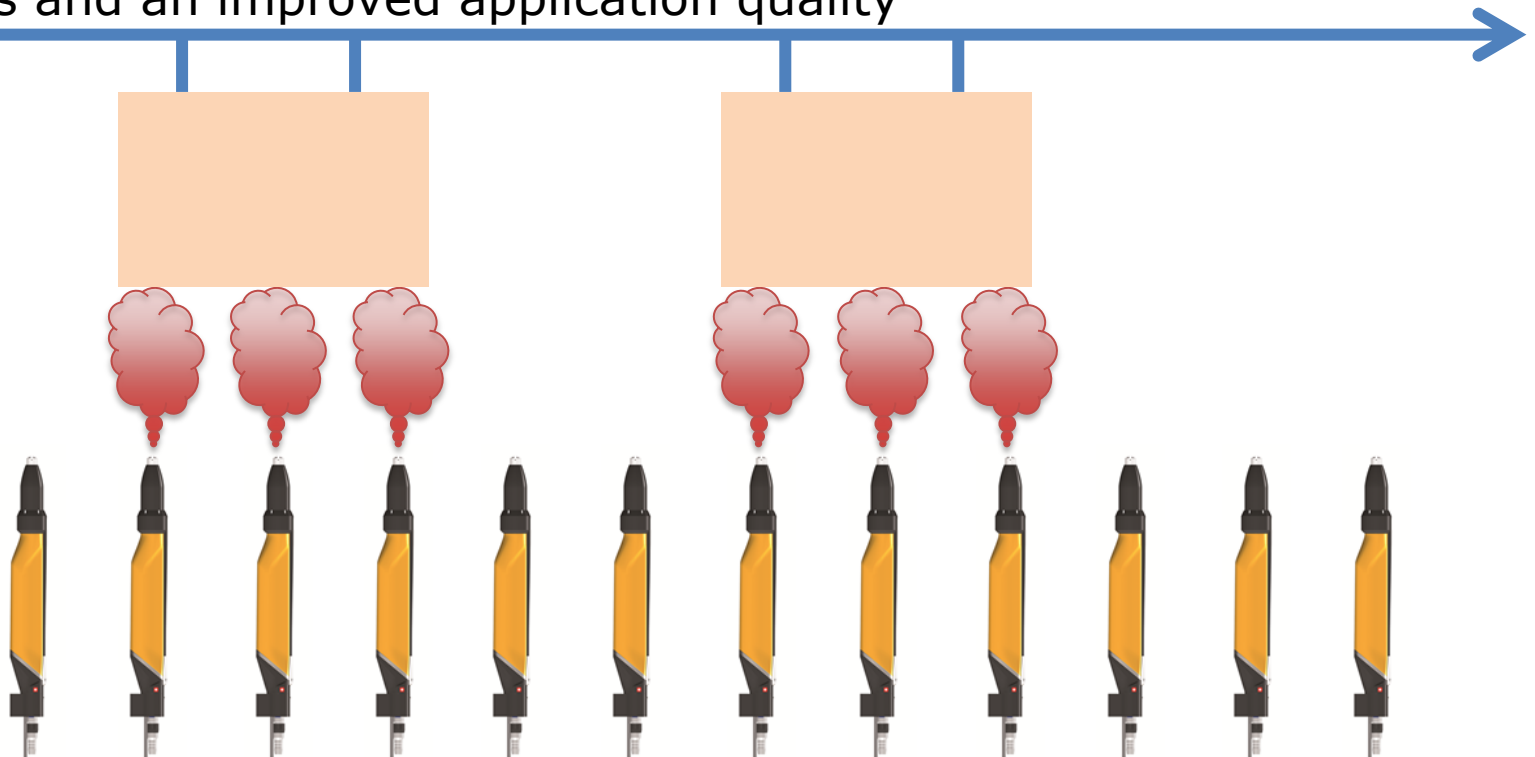
Application programs library

- 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

- **Individual guns triggering**, either manually or automatically by 12 digital inputs.

- This allows "gap-control" functionality, turning guns on/off in sequence as the parts enter the booth. This ensures great powder savings and an improved application quality

Advanced features

- **Powder output correction factor** compensates the different hoses lengths and makes sure that all guns have the same powder output, when their settings are the same.

- In case of failure the display shows an error code for **easier troubleshooting**

- **Brightness regulation** ensures optimal visibility in every ambient

Operating modes for every needs

- The MultiStar control unit offers **two operating modes** to fulfill every customers' specific needs.

  o **Easy mode** is designed for users who want to quickly adjust all the guns at the same time.

  o **Advanced mode** is ideal for customers who need to adjust each gun individually to different settings

	Easy Mode	Advanced Mode
Powder Output and Total Air Volume adjustment	Same settings for all the guns	Individual settings for each gun
High Voltage and Charging Current adjustment	Same settings for all the guns	Same settings for all the guns
Pre-set Programs	Flat Parts, Complex Parts, Re-coat	Only custom settings
Customized Programs Library	Up to 255 programs Same program for all the guns	Up to 20 programs Different programs for each gun

Ideal solution for every application

- **Easy mode** is the most practical solution for vertical aluminum profiles, pipes, coil coating and other applications with a large number of guns which usually operate all with the same settings.

- **Advanced mode** is ideal for small powder coating lines that need a good value proposition while maintaining the flexibility to adjust each gun individually.

Interconnection possibilities

- While MultiStar is very easy to use in manual lines, also powder coating lines with higher level of automation can take advantage from the MultiStar's **interconnection capabilities:**

- **12 digital inputs** for the individual triggering of each gun. This allows "gap-control" functionality, automatically turning guns on/off in sequence as the parts enter the booth. This ensures great powder savings and an improved application quality

- **CAN-Bus connection** for an easy control of all the parameters from a remote PLC. The MultiStar control unit can be perfectly integrated into more sophisticated powder coating lines, with higher levels of automation.