



# POWDER MANAGEMENT CENTER



 **Electron**  
*Electrostatic Powder Coating*

# E-FEED Series

Slim design

Fast cleaning

Smooth and effective powder distribution

Brilliant Coating Performance

**3 Models** + options

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# POWDER MANAGEMENT CENTER



# E-FEED PM1

Semi-automatic cleaning system  
(only gun hose cleaning automatic)

Big fixed powder container

Suitable for few color change in a day

**Adaptable to any other system**

Up to 30 injectors or 24 pumps + feed

Color change in 20 min.





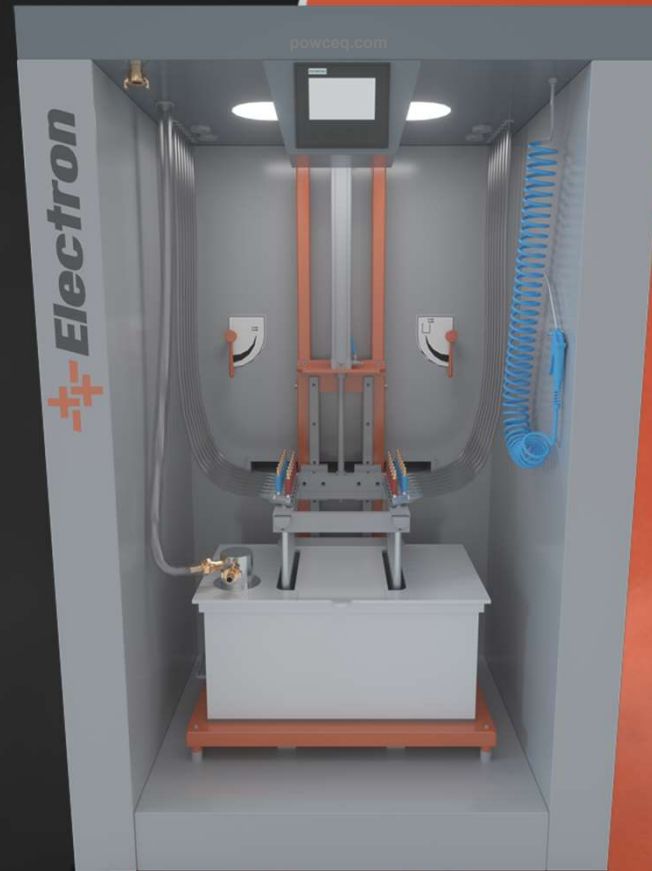


# E-FEED PM2

Injectors drive out, easy to clean together

Up to 30 injectors + feed

Multiple plastic containers for each color







# E-FEED PM3

Most advanced powder management center  
Fully automatic and high efficient

Fixed single stainless steel container

Feed pump integrated  
Up to 30 injectors or 24 pumps

Color change in 5 min.





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# E-FEED HD TRANSFER PUMP

Pneumatic pump transferring powder coating from one station to another with very high efficiency.

Highest transfer rate among competitors\*

Through this high transfer capacity, total needed working time is reduced and lifetime of replacement parts is maximized

Ultra fast self-cleaning function

Replacement parts are changeable without stopping the pump

- Transfer Pressure Adjustment
- Vacuum Pressure Adjustment
- **7,9 kg/min. powder transfer capacity**
- Fast change of replacement parts
- Timer for replacement parts lifetime
- Control of output current and process with "Check Manometer"
- Control option by its own control panel or **adaptable to any other industrial automation system**
- 2 levels of pumping frequency selection
- Powder level sensor adaptable
- Dual transfer capability in both directions (top/down, down/top)
- Fluidizing output
- ATEX II 3D, IP54 Protection Class

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# Accessories

Single Pump



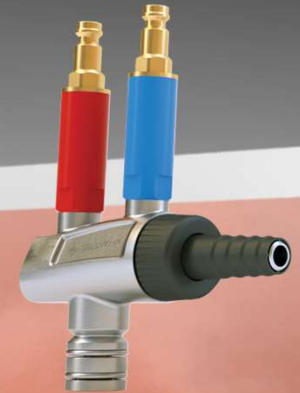
Double Pump



Powder Transfer Pump



Powder Coating Injector



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# E-SENSE

## Smart Part Detection Systems

- E-SENSE is a part detection supervised automated painting control system where all the equipments of the painting system is controlled by a main PLC based controller depending on the signals received from the sensors.
- Reciprocators move and adjust themselves depending on the part height, distance and speed automatically
- Guns turn on and off their powder output depending on the parts and gaps
- Powders amount is adjusted automatically depending on the part speed and stroke height by the system when this option is enabled

### Contents

- Part Detection Sensors
- Electrical Control Panel equipped with PLC based automation and 7" touchscreen
- Encoder to be placed on the conveyor

### Options

- E-SENSE Kiosk with 12" touchscreen



## Gap Detection

- Different type of detection scenarios depending on the gun configuration
- Start/Stop delays and offsets adjustable by preferences
- Automatic reciprocator stroke control depending on the gun configuration
- Automatic reciprocator speed control depending on the conveyor speed when enabled

## Powder Amount Control

- Automatic powder amount control depending on the conveyor speed and stroke height when enabled
- Independent adjustment capability of electrostatics
- TCP/IP communication with E-COAT Master series devices.
- Can be also used with E-COAT Pro type devices if only to be used without powder amount and electrostatics automatic adjustment.







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