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## POWDER AUTO MACH JET ELECTROSTATIC SPRAY GUN



- Easy to use
- Increased efficiency
- Enhanced ergonomics

### Related Technologies



Powder Tank



Corona Charge

# AUTOMATIC ELECTROSTATIC POWDER COATING APPLICATOR

The AUTO MACH JET sprayer is designed for powder coating in general industry applications. It is generally used as a fixed station in a fast color change booth such as PVV EasyDrive. It can also be installed on a reciprocator in a PVV EasyCompact booth.

## TECHNICAL DATA

### Applicator, AUTO MACH JET

Gun weight (w/o hoses) (gr)	approx. 850
Powder throughput (Dia. 11mm ID hose) (kg/h)	up to 24
LV cable to CRN 457 (m)	lg 18 / 30
Max voltage (kV)	95
Max current (µA)	110

### ATEX and FM Marking:

#### AUTO MACH JET & AUTO MACH JET FCC

CE 0080 II 2 D  
EEx 2 mJ  
ISseP04ATEX119

When configured according to #800000045  
For Electro. Fin. Appl. CL. II, Spray Mat.



#### CRN457<sup>TM</sup>:

CE 0080 II (2) D

[EEx 2 mJ]  
ISseP04ATEX119

### CRN 457 controller

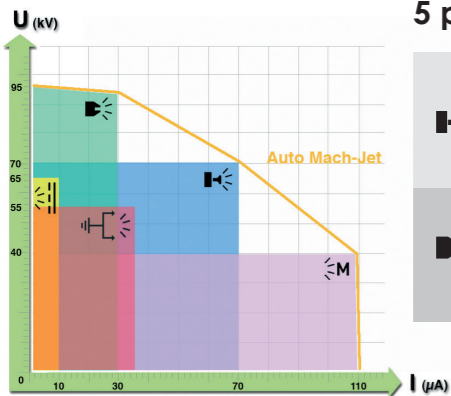
Dimensions	
In a rack (2 modules on front face)	19" / 2U
Pneumatics	
Max air inlet pressure (bar)	8 (150 psi)
Mini air inlet pressure (bar)	6 (90 psi)
Max air flow (Nm3/h)	6
Electrical	
Power supply (V)	90 to 270
Single phase (Hz)	50/60
Max power (VA)	60
Dustproof rating	IP 20

### CS130 :

CE II 3 D c T 85°C

(1): This control module allows piloting the UHT. It is a combined material that is part of the configuration of the certified equipment and that contributes to its good working. It has to be installed into a non explosive area.

## SUITABLE FOR ALL POWDER APPLICATIONS



### 5 preset adjustments in memory

- Application with round spray nozzle:**
  - Increases particles charge
  - Better wrap round and higher transfer efficiency
  - Very homogeneous pattern on complex or simple shaped parts.
- Application adapted with round or fan spray nozzle:**
  - Re-coating
  - Large thickness of powder (> 100 µm)
  - Low conductive substrates (glass, wood,...).
- Application with fan spray nozzle:**
  - Very good coverage, efficiency and flat parts
  - Easy coating in deep recesses
  - Very good penetration in complex parts.
- Application adapted with round or fan spray nozzle:**
  - Suitable for metallic powders
  - The voltage (kV) can be increased to improve the transfer efficiency.
- Application with a fan spray nozzle:**
  - Counter-electrode (in option)

## LARGE SELECTION OF NOZZLES

Type of nozzle	Description	Recommendations for use
Round spray nozzle	ø 12 mm	Small parts, rework or pre-touch in hard to reach spots
	ø 16 mm and (supplied as standard) ø 16 mm HD*	All types of parts and coatings
	ø 20 mm, ø 25 mm and ø 20 mm HD*	Large surfaces
Fan spray nozzle	Narrow	Reworking and pre-touch
	Normal and Medium (supplied as standard)	Large variety of shapes of parts especially suited for job coaters
	Large	Fences, welded joints and flat and large parts

HD : High Durability, suitable for abrasive/aggressive powders except for enamel paint powder.

## CUSTOMER BENEFITS

### → High transfer rate

- Easy and precise setting up of voltage and current
- Excellent penetration on complex parts
- Good wrap-up effect

### → Easy maintenance

- Simple disassembly of sprayers
- Quick disconnect hose (option)
- Profiled design for easy cleaning through simple air blowing
- Nozzles are highly resistant to abrasion

### → Adaptation to industrial constraints

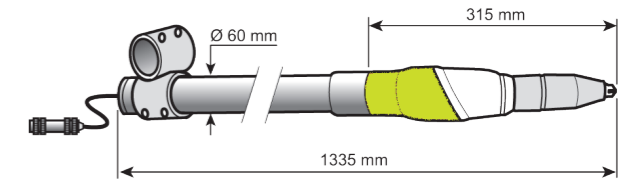
- Large selection of nozzles
- Assistance to manage batches of parts : 9 spray tables can be stored without PLC
- Regulation of air supply to the powder pump for controlled powder thickness
- Standard kits including controllers and reciprocators (12 sprayers max)
- 5 preset electrical characteristics

### → Optimal safety

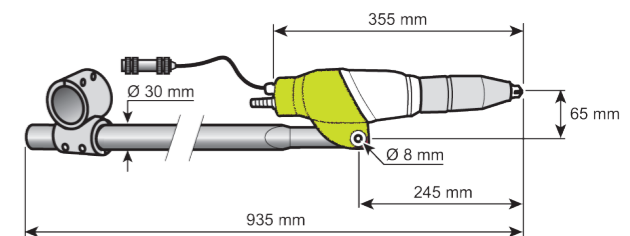
- Compliant to ATEX and FM certifications
- High impact resistance



Standard installation with MCR panel and two reciprocators



**Powder AUTO MACH JET FCC**  
for fast colour change booth



**Powder AUTO MACH JET**  
for retrofit or new installation

