

Bond | Protect | Beautify

With our manual guns, automatic and robotic applicators, supplied by our wide range of pumps & machines for fluid handling, dosing, mixing & dispensing.

SAMES KREMLIN provides industrial solutions for production increase, quality improvement, material & cost savings.

We are designers and manufacturers of process equipment that is divided into 6 ranges:

Airspray: Since 1925, we have been an Airspray manufacturer bringing you the very best in finishing.

Airmix®: Creator of Airmix® Technology since 1975, we provide the perfect mix between quality and productivity.

Airless: We provide premium Airless Products for finishers with demanding applications.

REXSON Dispense: Pumping beyond possible, dispensing precisely.

Electrostatic liquid: expertise for high finishing quality & efficiency.

Powder: Powder coating solutions for the highest Productivity since 1960.

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Apply your Skills



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. 11 mm ID hose) (kg/h) | up to 24 |
| LV cable to CRN 457 (m) | lg 18 / 30 |
| Max voltage (kV) | 95 |
| Max current (µA) | 110 |

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 |

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 Matl.



CRN457⁽¹⁾:

CE 0080 II (2) D

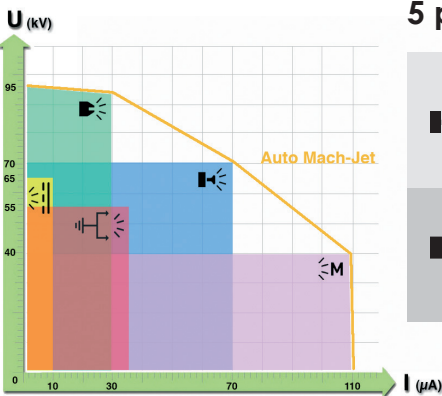
[EEx 2 mJ]
ISSEP04ATEX119

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

Round spray nozzle



Description

ø 12 mm

ø 16 mm and (supplied as standard)
ø 16 mm HD*

ø 20 mm, ø 25 mm
and ø 20 mm HD*

Recommendations for use

Small parts, rework or pre-touch in hard to reach spots

All types of parts and coatings

Large surfaces

Fan spray nozzle



Narrow

Normal and Medium
(supplied as standard)

Large

Reworking and pre-touch

Large variety of shapes of parts especially suited for job coaters

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

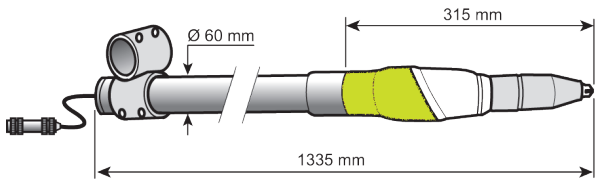
- Large selection of nozzles
- Assistance to manage batches of parts : 9 spray tables can be stored without PLC
- Regulation of air supply to the powder pump for controlled powder thickness
- Standard kits including controllers and reciprocators (12 sprayers max)
- 5 preset electrical characteristics

➔ Optimal safety

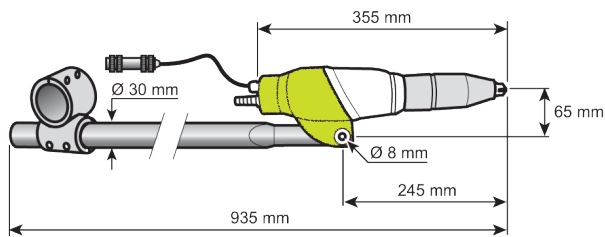
- Compliant to ATEX and FM certifications
- High impact resistance



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

