

Innovation & simplicity are as one!

e-Jet

DPCS Digital Preset Coating System

Adjustable settings of parameters: Optimum electrostatic charge whatever the part to coat and type of powder.

Very sturdy materials make the gun very resistant to shocks.

Large choice of adaptable nozzles.

Lightness and balance are among best available on the market: ease of use + reduced operator's fatigue.

Rear part of the handle can be adjusted with 2 interchangeable soft grips adapted to operator's hand size (easy handling).

Quick release powder hose coupling: Fast colour changing and cleaning.

Rotation of powder hose coupling: during coating, operator's wrist moves easier, gesture is more precise, fatigue is reduced.

e-Jet is the brand new powder manual coating equipment of SAMES. Ergonomic, reliable and performing, e-Jet is the combination of the best of Mach-Jet & E-series technologies. It has been specially designed for companies looking to improve their powder coating application and the overall efficiency of the operator.

The brand new powder coating Mach-Jet Gun associated to its control module CRN 457 and integrated DPCS exclusive system provides an optimum charge to powder. Operator selects easily the coating program adapted to different shapes of the parts, which secures a perfect quality of finish and helps achieving powder savings.

Exclusive system* **DPCS**

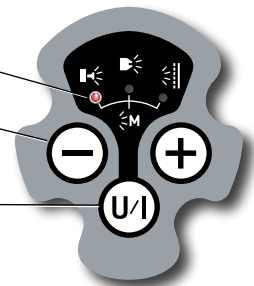
Integrated controls on the gun: saves time for modifying settings during application (powder flow adjustment and selection among 4 preset parameters).

* DPCS : Digital Preset Coating System

Indication of selected program by lighting diodes.

Powder flow adjustment.

Changing preset parameter (loop selecting).



1 Accessible
The control module is integrated on the front of the cart and angled allowing perfect visibility.

2 Universal
The vibrating table accommodates any powder box available on the market.

3 Efficient
The extremity of the powder pump secures an homogeneous fluidisation in the powder box and makes transport easier: improves application.

4 User-friendly
Easily adjustable air controls:
• Vibration
• Fluidisation.

5 Optimized
The box is tilted to an angle, so the pick-up tube reaches the very bottom and sucks all the materials. the vibrator prevents from powder packing issues. Activated only when the gun's trigger is pressed.

6 Improved handling
Reduced size with 4 casters helps moving the equipment as required.



Sames

4 basic 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 with fan nozzle spray:

- Very good coverage and efficiency and flat parts
- Easy coating in deep recesses
- Very good penetration in complex parts.



Application adapted with round or fan spray nozzle:

- Re-coating
- Large thickness of powder (> 100 µm)
- Low conductive substrates (glass, wood,...).



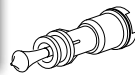
Application adapted with round or fan spray nozzle:

- Suitable for metallic powders
- The voltage (kV) can be increased to improve the transfer efficiency.

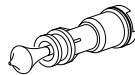
These preset adjustments can be selected by the control module or by the gun.

New nozzles providing homogeneous powder pattern

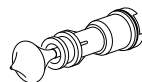
- Adapted to all applications:
 - > Tubular parts
 - > Automotive accessories
 - > Profiles
 - > Large flat surfaces
 - > Small metallic part
- Adapted to all type of powder and allow easy use of metallic powders
- Compact, sturdy and light
- Powder build-up eliminated



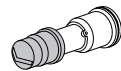
:: Round nozzle Ø 12 mm
Ideal for small parts, touch-up or pre-touch, or for difficult areas.



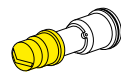
:: Round nozzle Ø 16 mm [standard]
Ideal for all kind of parts, particularly for coating large flat surfaces, tubular furniture and wired pieces.



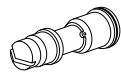
:: Round nozzle Ø 20 and 25 mm
Ideal for large surfaces areas.



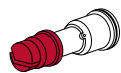
:: Narrow fan nozzle
Ideal for touch-up and re-touch



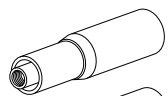
:: Standard fan nozzle
Ideal for job coaters (all type of parts, various shapes).
Distance of application can be long if necessary.



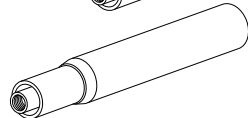
:: Medium fan nozzle
Very universal: excellent penetration into recesses, hollows, fan furniture.



:: Large fan nozzle
Avoids blowing off the powder from the part. Distance of application can be short if necessary. Good adaptation on fencings, on welded junctions and on fan and large parts.



:: Extensions 150 and 250 mm
Reduces the need to overstretch when coating large or complex shapes.



Easy & user-friendly



Control module CRN 457

Electric and pneumatic controls are integrated in this very compact controller. This new module is very operator friendly. Thanks to its large screen, use is easy through graphic icons which are visual and understandable in any country. Simple to use, operator masters system very fast.

TECHNICAL DATA

Gun

- Weight carried by operator [1]: 660 g
- Length: 305 mm
- Powder flow: up to 24 kg/h
- Powder hose: Lg. 6 m Ø 11 mm
- (1) : gun connected with 1.2 m cable and 1.2 m hose

Module CRN 457

- Max Voltage: 80 kV (+ 5kV,-9kV)
- Max Current: 110 µA (+/- 10 µA)
- Air feeding pressure: 7 bar +/- 1 bar
- Max air consumption: 15 Nm³/h
- Power supply: 90/270 V - 50/60 Hz
- Protection: IP 20

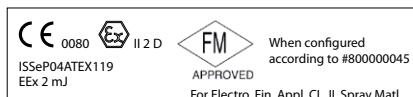
Trolley

- Dimensions H x W x D: 101 x 44 x 65 cm
- Approximative weight: 40 kg

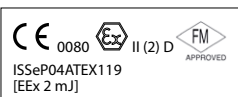
Equipment complying with standards:

- ATEX
- CE, FM

Mach-Jet Gun marking:



CRN 457¹¹ control module marking:



(1): The CRN 457 control module is a related equipment, it is part of the configuration of the Mach-Jet certified equipment and contribute to its effective functioning. Its installation is only in a non explosive area.

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