

Innovation with no limit...



 **Sames**

SAMES presents the manual powder equipment of the future...

MACH-JET

DPCS Digital Preset Coating System

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.

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).

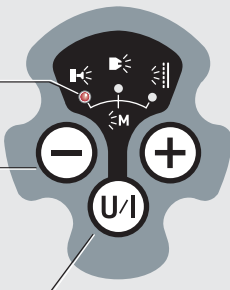
Quick release powder hose coupling: Fast colour changing and cleaning.

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

Indication of selected program by lighting diodes.

Powder flow adjustment.

Changing preset adjustments [U/I] (loop selecting).



Exclusive system **DPCS**

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



Accessible

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

Tidiness

Storage of hoses when not in use.

Complete

Integrated blow down air gun for easy cleaning.



Clean

An air filter help to remove moisture from the compressed air supply: increased protection.

User-friendly

Easily adjustable air controls:
• Vibration or exhaust extraction
• Fluidisation

Clever

A large storing area permits to keep close to hand all necessary accessories (nozzles, deflectors, manual instruction...).

Easy

The powder pump CS 126 is equipped with quick release couplings which easily disconnected for cleaning and colour changing.



Versatile

Version with 36 liters fluidised hopper CSV 426.

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 shaped parts



Application with fan nozzle spray:

- Very good coverage and efficiency on 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

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

Universal

The vibrating table accomodates any powder box available on the market.

Efficient

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



Easy & user-friendly



Control module CRN 457

Electric and pneumatic controls are integrated in this compact controller.

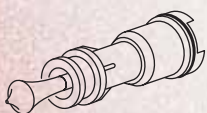
This new module is very operator friendly. Thanks to its large screen, use is easy through graphic icons which are visual and understandable in any country. Simple to use, operator masters system very fast.



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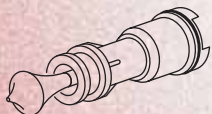
New nozzles providing homogeneous powder pattern

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



:: Round nozzle Ø 12

Ideal for small parts , touch-up or pre-touch, or for difficult areas.



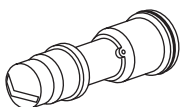
:: Round nozzle Ø 16 [standard]

Ideal for all kind of parts, particularly for coating large flat surfaces, tubular furniture and wired pieces.



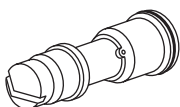
:: Round nozzle Ø 20

Ideal for large surfaces areas.



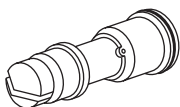
:: Narrow fan nozzle

Touch-up and re-touch



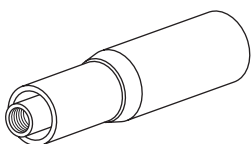
:: Medium fan nozzle [standard]

Very universal: excellent penetration into recesses, hollows, fan furniture.
Ideal for job coaters (all type of parts, various shapes).
Distance of application can be long if necessary.



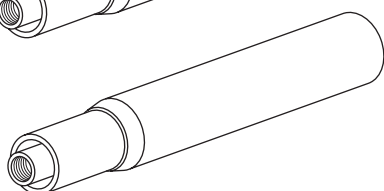
:: Large fan nozzle

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.



Mach-Jet technical data

Gun [1]

- Weight carried by operator [1]: 660 g
- Length: 305 mm
- Powder flow: 24 kg/h
- Powder hose: Lg. 6 m Ø11 mm

[1]: gun connected with 1.2 m cable and 1.2 m hose

Module

- Air feeding pressure: 7 bar +/- 1 bar
- Max Air consumption: 15 Nm³/h
- Power supply: 90/270 V - 50/60 Hz
- Protection: IP 54

Mach-Jet Cart

- Dimensions H x W x D: 1255 x 520 x 970 mm
- Approx. weight: 42 kg

Equipment complying with standards

- EN50050-2001
- ATEX



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