

# e-Jet2

## Powder manual coating equipment: SAVINGS & SIMPLICITY

**Ergonomic, reliable** and **performing**, the solution **e-Jet 2** is the combination of the best technologies.

It has been specially designed for companies looking to **improve their powder coating application** and the overall efficiency of the **operator**.

Available in two versions :

- Vibrating table (e-Jet2 **VT**), ideal for numerous color changes.
- Fluidized hopper (e-Jet2 **R**), suitable for medium and large production capacity and/or for powder coatings which are suitable for less vibration.

### DESIGN



▶▶ **Trolley is simple, easy to work with and compact**

▶▶ **Easy handling trolley**

(2 large wheels for obstacles and two directional wheels)

▶▶ **Sturdy powder gun with a large range of nozzles for covering all applications**

▶▶ **New metallic CS130 powder pump:**

- Sturdy and easily cleanable materials
- Quick Disconnect plugs
- Optimized mounting / dismantling of pump
- Injector can be removed with hand, no tool required
- Drastic reduction of number of wear parts
- Conductive powder tip (anti static)

### COMFORT



▶▶ **Best balanced gun available on the market, with all controls on the gun**

▶▶ **Easy use, possibility to customize controls** (graphic interface of module)

▶▶ **Trolley can be oriented for a better visualization of control screen during operation**

▶▶ **Trolley is easy to move and cross over obstacles** (large wheels, toggling)

▶▶ **New removable support arm, possibility to clean aside from the work zone**

▶▶ **Safe hanging of the gun, on both sides, front and rear**

▶▶ **Cables and hoses folding support**

▶▶ **Double housing on top, to place objects**

### PERFORMANCE



▶▶ **High transfer efficiency gun, with stable pattern**

▶▶ **Pumping air is regulated in flow to allow sharpest precision of application. It also permits to get powder savings.**

▶▶ **Color changing time and performance optimized:**

- Efficient and fast blowing system; rinsing of the whole paint circuit with: **FAST-CLEAN**
- Support arm removable to improve quality of color change
- New powder pump perfectly cleanable and without powder retention





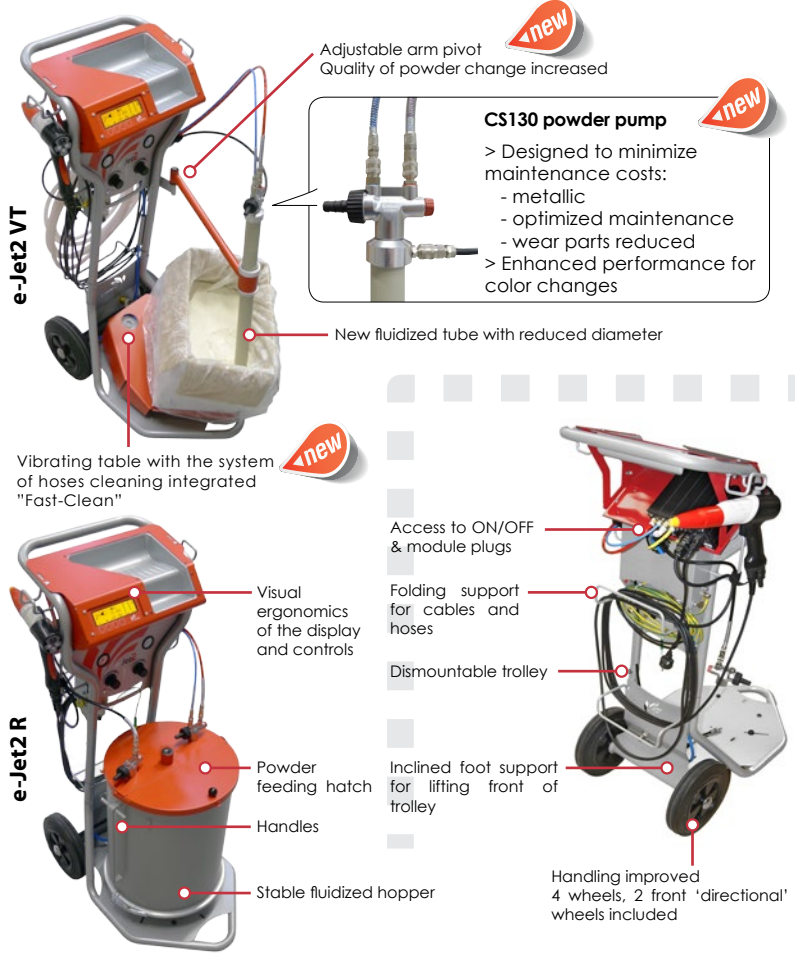
## Designed to optimize applications

**Integrated controls on the gun (1) POWDER FLOW AND HIGH VOLTAGE:**  
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 adapted **nozzles**.
- Lightness and balance are among best available on the market: **ease & comfort of use** for operator.
- The rear part of the handle includes a soft grip adapted to operator's hand.
- 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.

## The most practical, lightest and reliable trolley on the market



Adjustable arm pivot  
Quality of powder change increased

### CS130 powder pump

- > Designed to minimize maintenance costs:
  - metallic
  - optimized maintenance
  - wear parts reduced
- > Enhanced performance for color changes

New fluidized tube with reduced diameter

Vibrating table with the system of hoses cleaning integrated "Fast-Clean"

new

Visual ergonomics of the display and controls

Access to ON/OFF & module plugs

Folding support for cables and hoses

Dismountable trolley

Inclined foot support for lifting front of trolley

Handling improved  
4 wheels, 2 front 'directional' wheels included

Stable fluidized hopper

Handles

Powder feeding hatch

## 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
  - Power supply: 90/270 V - 50/60 Hz
  - Protection: IP 20

- Trolley**
- Max air consumption: 18 Nm<sup>3</sup>/h
  - Dimensions H x W x D: 101 x 44 x 65 cm
  - Approximative weight: 40 kg

**(1) Integrated controls on the gun**  
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.*

ATEX Marking Mach-Jet Gun:

CE 0080 Ex II 2 D FM When configured according to #800000045 APPROVED For Electro. Fin. Appl. CL. II, Spray Matl.



**SAMES Technologies**  
13, chemin de Malacher - Inovalée - B.P. 86  
38243 Meylan cedex - France  
Ph. +33 (0)4 76 41 60 60 - Fax. +33 (0)4 76 41 60 90  
www.sames.com

Your SAMES' expert partner

