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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**POWDER AUTO MACH JET ELECTROSTATIC SPRAY GUN**

- Easy to use
- Increased efficiency
- Enhanced ergonomics

**Related Technologies**

- Powder Tank
- Corona Charge
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) [g]**: approx. 850
- **Powder throughput (Dia. 11mm ID hose) [kg/h]**: up to 24
- **LV cable to CRN 457 [m]**: 18 / 30
- **Max voltage [kV]**: 95
- **Max current [μA]**: 110

**CRN 457 controller**
- **Dimensions**: 19" / 26
- **Pneumatics**
  - Max 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

**Suitable for all Powder Applications**

5 preset adjustments in memory

- Application with round spray nozzle:
  - Ø 12 mm: Small parts, rework or pre-touch in hard to reach spots
  - Ø 16 mm and (supplied as standard)
    - HD*: All types of parts and coatings
- Application with fan spray nozzle:
  - Ø 20 mm, Ø 25 mm and Ø 20 mm HD*:
    - Large surfaces

**Large Selection of Nozzles**

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

**Applications:**
- Application with a fan spray nozzle:
  - Counter-electrode (in option)
- Application with a round spray nozzle:
  - Increases particles charge
  - Better wrap round and higher transfer efficiency
- Application with a round spray nozzle:
  - Very good coverage, efficiency and flat parts
  - Easy coating in deep recesses
  - Very good penetration in complex parts
- Application adapted with a round or fan spray nozzle:
  - Suitable for metallic powders
  - The voltage [kV] can be increased to improve the transfer efficiency

**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)
  - Profilied 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 controller 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**

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