

ELECTROSTATIC

**EXPERTS IN FINISHING SOLUTIONS
FOR ALL MARKETS WORLDWIDE**

**FIND YOUR
LOCAL CONTACT**

WWW.SAMES.COM
BY FLASHCODE:



NANO  **GUN** | MV



MANUAL ELECTROSTATIC LOW PRESSURE GUN

Thanks to our 65 years of knowledge, our customers deliver the best finishing quality in industry while saving material, increasing their productivity and protecting the environment.

Product performance, reliability and ergonomics are constantly being improved in the spirit of innovation which has made the name of SAMES famous.



13 chemin de Malacher - CS 70086 - 38343 MEYLAN Cedex FRANCE
Phone: +33 (0)4 76 41 60 60 - Fax: +33 (0)4 76 41 60 90

MED0001EVA - C.BROUILLET - SAMES Technologies reserves the right to modify their units, together with characteristics, equipment and accessories, without prior notice.

- **Lightweight electrostatic gun**
- **High voltage & current for more paint savings**
- **Outstanding finish quality**

The Finishing Experts



MANUAL ELECTROSTATIC GUN
LOW PRESSURE

NANO **GUN** | MV



TWO VERSIONS DEPENDING ON YOUR NEEDS:



GUN VERSION:	Compatible with	Working with paint resistivity
▶ Universal	solvent based paint or waterborne paint*	0.5 to 500 MΩ.cm
▶ Quick disconnect	solvent based paint	10 to 500 MΩ.cm



*needs paint circuit insulation

TECHNICAL DATA

Gun weight (g)	488	Max tip voltage (kV)	60
Gun length (mm)	230	Max current (µA)	80
Paint flow rate (cc/min.)	from 100 to 1000*	Fluid max temperature (°C)	45
Max air supply pressure (bar)	7 (101psi)	Hose lengths available (m)	7.5, 15 and 25 (option)
Max paint supply pressure (bar)	7 (101psi)	Type of spray	Super Vortex round spray dia.(mm) 8, 12 and 6 (option) Fan spray
Pattern width (mm)	from 90 to 400	Wetted parts	Titanium, Tungsten, Chemraz®, PA12, PEBD, PEEK
Recommended product viscosity	14 s to 50 s CA4		

ATEX marking:

NANO GUN MV
CE 0080 II 2 G
0,24mJ
INERIS14ATEX014

CI I, GP D, Spray MII
Refer to manual 7105

GNM6080

CE 0080 II (2) G
[0,24mJ]
INERIS14ATEX014



FAN SPRAY



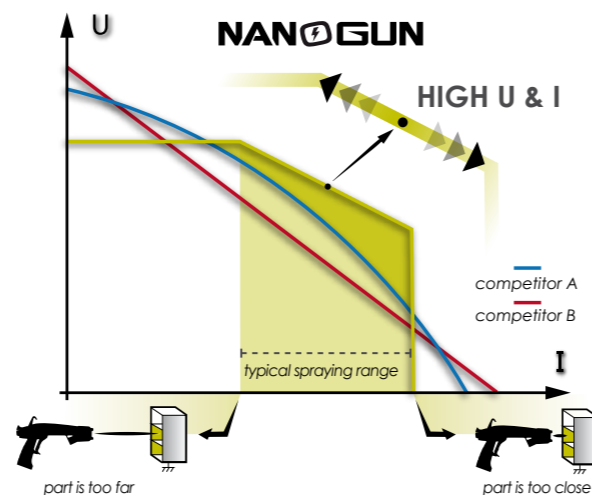
SUPER VORTEX ROUND SPRAY

NANO GUN-MV stands for
HIGH Voltage & Current

Taking full advantage of our **65 years of expertise** with electrostatic technology, **SAMES** has developed the only electrostatic gun to spray with **BOTH** high current and high voltage, guaranteeing:

- Optimal paint charge
- Efficient paint transportation to the part

This combination delivers up to 20% higher transfer efficiency compared to previous gun designs.



MATERIAL HANDLED

Stains, varnishes and lacquers, polyurethane and epoxy materials, 2K materials, U.V. paints, solvent based and waterborne materials.

RECOMMENDED MARKETS

AEROSPACE

METALLIC FURNITURE

AUTOMOTIVE

OEM, Tier One and Tier Two

CYCLES & MOTORCYCLES

WOOD INDUSTRY

ALUMINIUM PROFILES

AGRICULTURAL & CONSTRUCTION EQUIPMENT

CUSTOMER BENEFITS

- ➔ Increased operator comfort - reduced fatigue
- ➔ Significant paint and air savings
- ➔ Suitable for high or low paint flow rates
- ➔ Great performance with high end production
- ➔ Easy to maintain:

- ▶ reduced number of components
- ▶ ready to spray after assembly
- ▶ perfect flushing
- ▶ smart diagnostics through control module



INTUITIVE CONTROLS

- High voltage On/Off
- Pattern width
- Paint flow rate



ENHANCED ERGONOMICS

- Lightweight
- Perfectly balanced
- Grip & barrel design based on firearms manufacturers' studies
- Flexible hoses
- Quick disconnect version



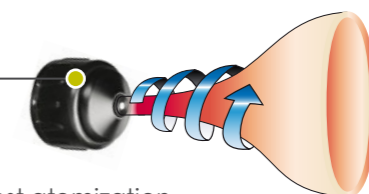
➔ GNM 6080 control module



- EASY TO MAINTAIN:
- Scheduled alert
 - Diagnostic alert

- EASY TO USE:
- kV setup value
 - 3 presets
 - Readable up to 5m

AIRCAP INNOVATION



- Super Vortex technology for finest atomization
- Good homogeneity between edge and center of pattern
- New **round spray** design: less overspray for 10% higher efficiency
- New **fan spray** air cap: 19% higher efficiency

