

ROBOTIC SPRAYER

EXPERTS IN FINISHING SOLUTIONS
FOR ALL MARKETS WORLDWIDE

PPH 707 MT
PPH 707 MT-2K

**FIND YOUR
LOCAL CONTACT**

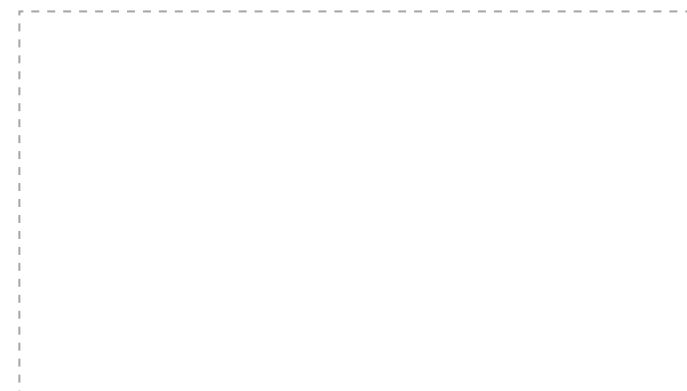
WWW.SAMES.COM
BY FLASHCODE:



**ROBOTIC SPRAYER FOR 1K/2K SOLVENT BASED
PAINT EQUIPPED WITH MULTI TRIGGER TECHNOLOGY**

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

MC00018EN LA - C. BROUILLET - SAMES Technologies reserves the right to modify their units, together with characteristics, equipment and accessories, without prior notice. Non-contractual

- **Minimum color change loss**
- **Compact design**
- **7th range quality**

The Finishing Experts



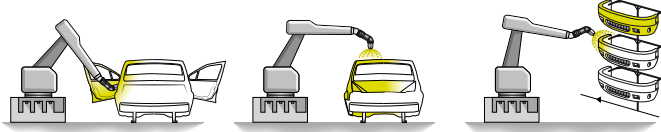
ROBOTIC SPRAYER FOR 1K/2K SOLVENT BASED PAINT EQUIPPED WITH MULTI TRIGGER TECHNOLOGY

PPH 707 MT & MT-2K

PPH 707 MT is a sprayer dedicated to the electrostatic application of solvent based paints.
 PPH 707 MT-2K is a sprayer dedicated to the electrostatic application with internal charge of 2 components liquid paints. This atomizer is the best solution for colored 2K primer or clear coat: low paintlost and fast color change.
 > **Multi trigger** technology means that the color change block is integrated inside this atomizer's body.
 > **1 super high runner** and **5 high runner** colors have very **low lost of paint** and solvent during color change. It means also a high speed color change.

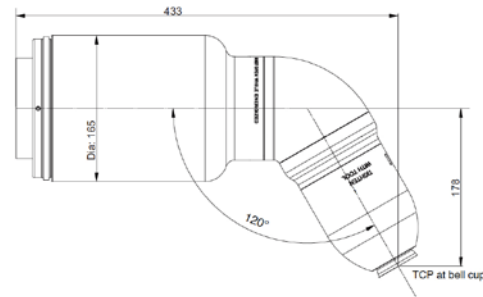
FIELD OF APPLICATION

Whichever the product, the operating modes may be:



Primer	-	✓	✓
Base	-	-	-
Clearcoat	-	✓	✓

DIMENSIONS (mm)



TECHNICAL DATA

Weight	PPH 707 MT	PPH 707 MT-2K		
Spare atomizer, without cable or hose	9.2 kg (with coil) - 8.8 kg (without coil)	9.22 kg (with coil) - 8.83 kg (without coil)		
Pneumatic supply	PPH 707 MT & MT-2K			
Drive air consumption	10 NI/min.			
Magnetic turbine bearing air consumption	125 NI/min.			
Shaping air 1 and air 2 consumption	From 100 to 600 NI/min. ⁽¹⁾			
Turbine rotation air consumption	From 100 to 700 NI/min. ⁽²⁾			
<small>(1): with respect to air shroud and bell being used - (2): with respect to sprayed flow and rotation speed</small>				
Product supply	PPH 707 MT & MT-2K			
Paint flow (depending on paint type)	30 to 1000 cc/min. ⁽³⁾ maxi.			
Paint resistivity (with coil)	> 3 MΩ.cm			
Paint resistivity (without coil)	> 10 MΩ.cm			
<small>(3): with a product density < 1.1 gr/cm3 and/or of the combination bell and air shroud being used</small>				
Performances	HVT			
Rotation speed	15 to 85 000 rpm (upon diameter of bell cup used)			
Application speed	up to 1200 mm/sec			
Color change	Single pump group		Multi pump group	
	PPH 707 MT	PPH 707 MT-2K	PPH 707 MT	PPH 707 MT-2K
Paint loss per color - without coil	29 cm ³	31 cm ³ + 2 cm ³ (loss of hardener)	6 cm ³	8 cm ³ + 2 cm ³ (loss of hardener)
Paint loss per color - with coil	39 cm ³	41 cm ³ + 2 cm ³ (loss of hardener)	16 cm ³	18 cm ³ + 2 cm ³ (loss of hardener)
Solvent loss per color - without coil	300 cm ³	355 cm ³	40 cm ³	65 cm ³
Solvent loss per color - with coil	330 cm ³	385 cm ³	40 cm ³	80 cm ³
Process time - without coil	15 sec	17 sec	5 sec	7 sec
Process time - with coil	15 sec	17 sec	5 sec	7 sec
High Voltage	UHT 157			
Voltage maxi.	100 kV			
Current maxi.	200 μA			

ATEX marking:

PPH 707 MT & PPH 707 MT-2K:
 CE 0080 II 2 G
EEx > 350 mJ
 ISseP05ATEX032X

GNM 200⁽⁴⁾:
 CE 0080 II (2) GD
[EEx > 350 mJ]
 ISseP05ATEX032X
 ISseP04ATEX032X
 ISseP07ATEX001X

(4): This control module allows piloting the UHT. It is a device that is part of the configuration of the certified equipment and that contributes to its good working. It has to be installed into a non explosive area.

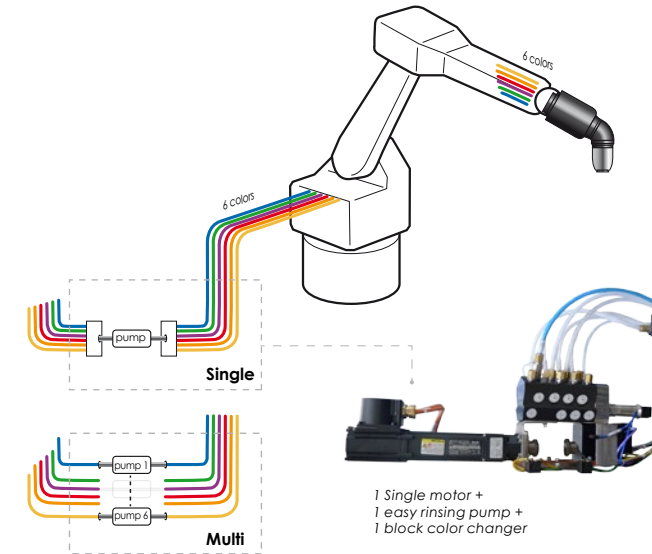
CUSTOMER BENEFITS

PPH 707 MT

MINIMUM MATERIAL LOSS

- Less paint & solvent loss
 5 high runners at 5cc.
 1 super high runner at 1cc.
- Single or Multi easy rinsing pump process

	Single	Multi
Color change time	15 sec.	5 sec.
Paint loss	29cc.	6cc.
Solvent loss	300cc.	40cc.



FLEXIBILITY

- Easy to upgrade PPH707 SB to PPH707 MT: same TCP & Head
- Coil option for low resistivity or metallic material
- Available 2K version, color change performances: 5 high runners + 1 hardener, 7 sec./8cc. paint & 65cc. solvent loss



HIGH RELIABILITY

- 7 years/30 000h. warranty* turbine
- Long life HVU (High Voltage Unit)
- Titanium bellcup for longer life
- 2.5 million cycles life of valves
- * Whichever is the sooner

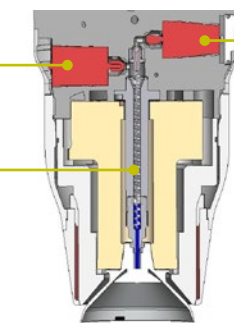
SAFETY

- Smart integrated HVU: fast energy discharge preventing any spark
- Remote bell monitoring device
- ATEX zone 1

PPH 707 MT-2K

LOW MATERIAL LOSS

- Valve close to mixer
- Static mixer into the head
- Mixed paint volume = 2cc. only



HIGH RELIABILITY

- Microvalves with bellow available for hardener supply circuit: P/N 910010850

EASY TO MAINTAIN

- Easy tear down parts in contact on hardener
- No mixed material in Robot's arm
- No mixed product can return back in the circuit

