

High finishing robotic solution

THE ROBOTIC PAINTING SOLUTION DESIGNED FOR YOUR PAINTSHOP

For each application process, every component is involved in improving the efficiency:

- Electrostatic bell sprayers for high transfer efficiency
- Compact color change block for reduced paint losses
- High quality gearpump for accurate dosing
- Robot for flexible movement
- The overall process controller to optimize the global efficiency

Sames chose carefully all these standard products to build the most efficient standard package to paint your A Class surfaces.



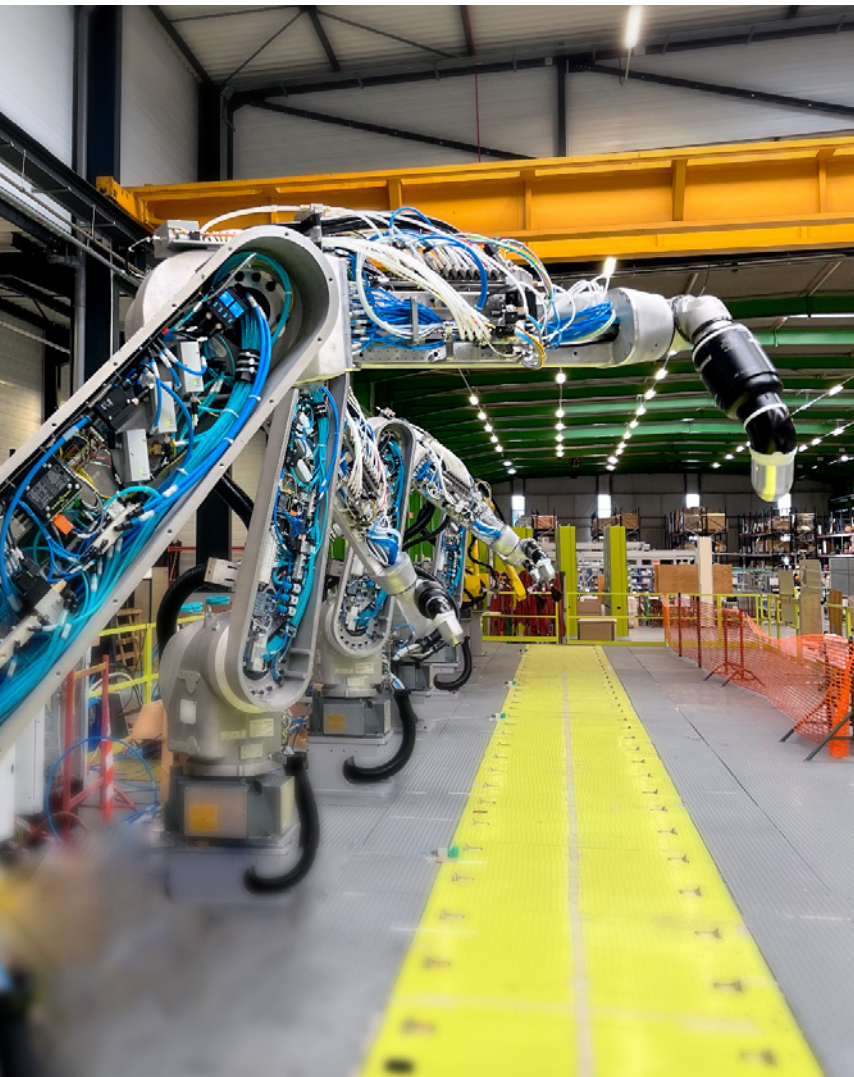
WHY CHOOSE US?

ALL PAINT, ALL LAYERS

- Primer, BaseCoat and ClearCoat
- Solvent borne or Waterborne
- 1K or 2K material

CAR BODY & BUMPER PROCESS

- Primer, BaseCoat 1, BaseCoat 2, ClearCoat
- From 10 to 65 job/h
- Stop & Go or Continuous conveyor



BOND • PROTECT • BEAUTIFY

With our manual guns, automatic and robotic applicators, supplied by our wide range of pumps & machines for fluid handling, dosing, mixing & dispensing Sames provides industrial solutions for production increase, quality improvement, material & cost savings.

We are designers and manufacturers of process equipment that is divided into 4 BRANDS, 6 technologies and ranges:

sames kremlin

Liquid paint application solutions



Airspray

Coating technology that guarantees the highest finish.

+



Airmix®

The perfect mix between finishing quality and productivity.

+



Airless®

Most productive application technology to protect surfaces.

sames intec

sames nanocoat

sames inocoat



Sealant and adhesives application solutions



Liquid coating application solutions for rotating bells, with and without electrostatic



Powder coating application solutions

FIND YOUR LOCAL CONTACT



www.sames.com

sames

13 chemin de Malacher - CS 70086
38243 MEYLAN Cedex - FRANCE
Phone: +33 (0)4 76 41 60 60

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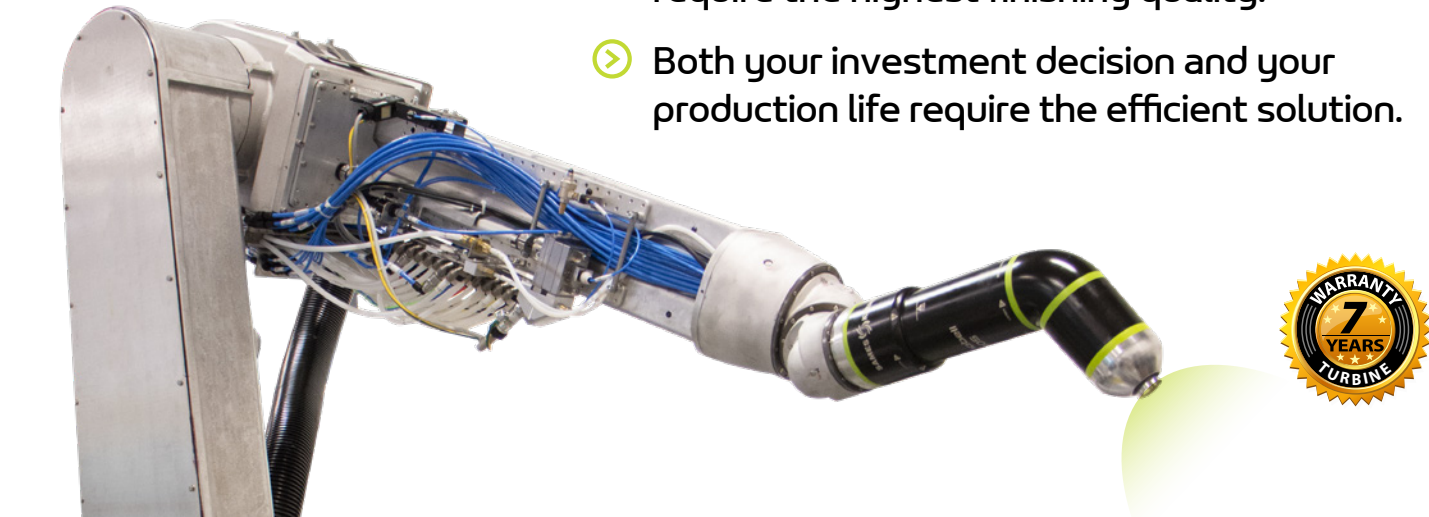
sames nanocoat

sames nanocoat



PAINTING SOLUTION

- Both carbody and bumper painting lines require the highest finishing quality.
- Both your investment decision and your production life require the efficient solution.



HIGH FINISHING PAINT EQUIPMENT

- High speed bell atomiser
- High voltage application
- Robotic color change block
- Paint saving technologies

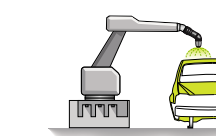
- Standard industrial robots
- Up to 1.5 m/sec.
- 7-15 kg
- Up to 1000cm²/min
- Dual Shaping air

- Magnetic Bellcup
- Up to 100 kV
- Up to 70 000 rpm
- Up to 30 colors
- Paintsave 18cc 10 sec.

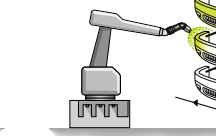


Automotive Solution High finishing robotic solution

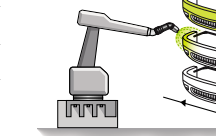
Efficiency
Turn Key Solution
High Finishing Quality



Car body



Interior car body



Bumper

sames

BOND • PROTECT • BEAUTIFY

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PAINT YOUR CARBODY


Achieve best finishing performance using Sames' proven solution

Bell cup range for Carbody
Full range of Titanium bell cup:


	EC43	EC50	EX65	EX80	EC50
Airshroud	NW	PSW	NW	NW	CSW
Primer		•			
Base Coat Int.	•				
Base Coat Ext.			•	•	
Clear Coat Int.	•				
Clear Coat Ext.					•


1 ACCUBELL® 709 Evo 
INTERNAL CHARGE SPRAYER FOR WATERBORNE MATERIAL
• Highest efficiency of the market
• Lowest paint lost: 12cc - 12sec.
• Over 800 installed

2 PPH707 EXT 
EXTERNAL CHARGE SPRAYER TO PAINT WATERBORNE MATERIAL ON EXTERIOR CARBODY
• 7th range standard: magnetic bell cup range, cascade and high speed turbine
• Dual shaping air
• Large bell cup range: EX80, EX65
• Quick Disconnect
• 2nd circuit available
• Only 7kg

3 PPH707 EXTI 
EXTERNAL CHARGE SPRAYER FOR INTERIOR CARBODY AND BUMPER APPLICATION
• Compact external charge sprayer
• 70kV & 16 pins to charge the paint
• Easy to clean surfaces

4 PPH707 SB 
HIGH SPEED BELL ATOMIZER FOR SOLVENT BORNE MATERIAL
• 7 years warranty turbine combined with magnetic bell cup
• Full range of Titanium bell cup: EC35, EC50, EX65, EX80
• Integrated high voltage cascade
• Full dual shaping air: mixed straight & vortex flow
• Coil for metallic basecoat
• 2nd circuit available
• Quick Disconnect
• Best Safety level: ATEX Zone 1

5 PPH707 2K 
DEDICATED SPRAYER FOR 2 COMPONENTS CLEAR COAT
• The static mixer is located just before the bell cup injector
• Technology allows an optimized catalyst injection point and increased efficiency of the static mixer
• Valves close to mixer
• Dedicated 2K trigger valve
• Mixed paint volume = 2cc only
• 7th range turbine, air pressure 6 to 10 bar
• No mixed product can return back in the circuit

6 PPH707 MT / MT2K 
DEDICATED TO FAST COLOR CHANGE AND LOW PAINT LOSS APPLICATION
• Embedded CCV (color change valve) into the sprayer
• Only few cc lost at each color change
• Each color has a gearpump
• Fast ROI

PAINT YOUR PLASTIC PARTS

Achieve highest efficiency using Sames' proven solution

Bell cup range for Bumper
Full range of Titanium bell cup:

	EC50	EX65
Airshroud	NW	NW
Primer	•	
Base Coat 1	•	•
Base Coat 2		•
Clear Coat	•	

Color change loss for PPH 707 MT versions

	Max colors	Paint loss	Change time
MT	5	6cc	5 sec.
MT EXT	7	4cc	6 sec.
MT 2K 1H	1 base 1 hardener	8cc 2cc	7 sec.
MT 2K 3H	1 base 3 hardeners	40cc 7cc	15 sec.
MT PM	3 bases 3 hardeners	8 cc 2 cc	7 sec.

ROBOTIC SPRAYERS

PAINT PROCESS

7 Robotic Paint Gearpump

- Faster color changing
- Less solvent consumption
- Higher reliability / life time
- Ultra compact design

All paint technologies (except for hardener)
• 4.5cc, 6cc & 9 cc/rev

2K Gearpump for hardener:
• No risk for hardener to dry
• Accurate dosing
• 0.6cc, 2.4cc & 6cc/rev

8 UPSide CCV - Color Change Management

- Lightweight design for all robots arms 52% lighter & 30% more compact
 - Robust metal-in-metal fittings & logn life valve
 - Integrated options: regulator, pressure sensors, circulation, check valve
- Paintsave - Innovation push-out technology
• Ultra-low paint loss: 1.8cc for PPH707
• Lowrunning coasts and maintenance
• Safe and simple process

PROCESS CONTROL



9 EASYPAINt Suite

- Full service HMI
 - Master operator screen to drive the robot solution
 - Setting of the robot station data
 - Monitoring and historical of the station event.
 - Robot controller communication
 - All PLC network available
 - Production dashboard monitor
- Application setting upload
 - Open to industry 4.0
- Safe PLC Software
• Run the PLC program with high performance
• Management of all the robot station process including safety function.

STANDARD ROBOTS

10 Standard robots

- Full service HMI
- Floor / Wall / Top mounted
- Up to 2 integrated drives for Paint gear pumps
- Pneumatic equipment into pressurized compartment of upper arm = higher performances

 Solvent based paint
 Water based paint
 One-component material
 Two-components material



- Rinsing boxes for all sprayers
- Automatic bell cleaner
 - Simple & reliable system
 - Minimal maintenance operation

