

EASYPAIN ROBOT IS THE ROBOTIC PAINTING PACKAGE 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 and 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.

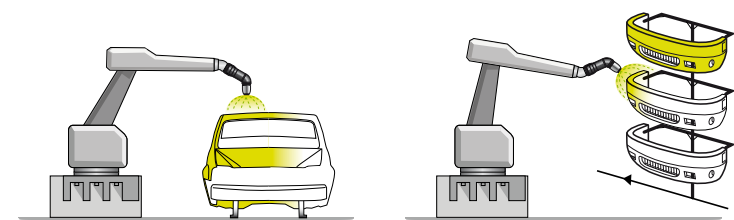
WHY CHOOSE US?

ALL PAINT, ALL LAYERS

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

EXTERIOR CAR BODY & BUMPER PROCESS

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



EXPERTS IN FINISHING SOLUTIONS FOR ALL MARKETS WORLDWIDE

FIND YOUR LOCAL CONTACT

WWW.SAMES.COM BY FLASHCODE:



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.



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SAMES Technology reserves the right to change without notice these patterns and the characteristics, equipment and accessories - Non contractuel



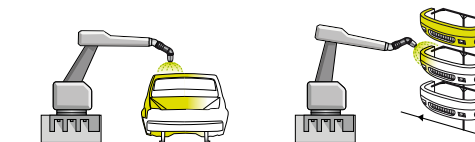
EASYPAIN ROBOT



AUTOMOTIVE SOLUTION

High finishing robotic package

- ▶ Efficiency
- ▶ Turn Key Solution
- ▶ High Finishing Quality



Car body

Bumper



The Finishing Experts



EASYPAIN ROBOT 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
- ▶ Up to 24 colors

- ▶ YASKAWA & FANUC Robot
- ▶ up to 1.5 m/sec.
- ▶ 7 kg
- ▶ up to 1000cm²/min
- ▶ Dual Shaping air
- ▶ Magnetic Bellcup
- ▶ Up to 100 kV
- ▶ Up to 70 000 rpm





PAINT YOUR CARBODY

Achieve best finishing performance using SAMES' proven Easypaint robot solution

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



| | EC50 Hi-TE | EX80 Hi-TE | EC50 Hi-TE |
|------------------|------------|------------|------------|
| Airshroud | PSW | BSW | CSW |
| Primer | ✓ | | |
| BaseCat 1 | | ✓ | |
| BaseCat 2 | | ✓ | |
| ClearCoat | | | ✓ |

1 2
4 5
6
7

Robotic Sprayers



PAINT YOUR PLASTIC PARTS

Achieve highest efficiency using SAMES' proven Easypaint Robot solution

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



| | EC50 Hi-TE | EX65 Hi-TE | EC50 Hi-TE |
|------------------|------------|------------|------------|
| Airshroud | U | | W |
| Primer | ✓ | | |
| BaseCat 1 | | ✓ | |
| BaseCat 2 | | ✓ | |
| ClearCoat | | | ✓ |

2 3
4 5
6
7

1 PPH 707 EXT

- External charge sprayer to paint waterborne material on exterior carbody
- 7th range standard: magnetic bell cup range, cascade and high speed turbine
- New Dual pin electrodes "Patented technology"
- Dual shaping air
- Large bell cup range: EC50, EX80
- Quick Disconnect
- 2nd circuit available
- Only 7kg

2 PPH 707 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

3 PPH 707 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 bars
- No mixed product can return back in the circuit

Paint Process

4 FCG Fast Cleaning Gearpump

- Faster color changing
- Less solvent consumption
- Higher reliability / life time
- Compact design
- All paint technologies (except for hardener)
- 3cc, 6cc & 10 cc/rev

5 UPSide CCV - Color Change Management

- Robotic design**
 - Lightweight design: 78g per color - 52% lighter
 - Included recirculation feature
 - Compact size 30% smaller
 - Oriented fittings reduces spare requirement
 - Robust design: metal-in-metal fittings & valve seats
- Flexibility**
 - One Color = One module
 - Included recirculation feature
 - Remote or integrated regulator
 - Backward or Forward rinsing direction
- Easy to use**
 - Direct access on one side
 - Easy to clean CCV + Regulator + Pump
 - Dedicated tool kit for easy maintenance

Process Control

6 EASY2PAINT Suite

- Full service HMI**
 - Master operator screen to drive the robot station
 - Setting of the robot station data
 - Monitoring and historical of the station event.
 - Robot controller communication
- Flexible Network**
 - Profinet & Ethernet Network connection included
 - Additional communication card possible: Profibus, Profinet (2nd), Devinet, Ethernet IP, Modbus, CCLink,...
- Safe PLC Software**
 - Run the PLC program with high performance
 - Management of all the robot station process included safety function.

Standard Robots

7 Standard FANUC & YASKAWA Robots

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

| | P250iB/15 | MPX3500 |
|-----------------|---------------|---------------|
| Work envelope | 365-2800 mm | 2700 mm |
| Payload wrist | 15 kg | 15 kg |
| Payload arm | 15 kg | 25 kg |
| Painting speed | 1 500 mm/sec. | 2 000 mm/sec. |
| Explosion proof | Ex | Ex |

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

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CLEAR COAT

PPH 707 SB / PPH 707 2K
EC50 CSW bellcup

BASE COAT 2

PPH 707 SB
EX80 BSW bellcup

PPH 707 EXT
EX80 BSW bellcup

BASE COAT 1

PPH 707 SB
EX80 BSW bellcup

PPH 707 EXT
EX80 BSW bellcup

PRIMER

PPH 707 SB
EC50 PSW bellcup

PPH 707 EXT
EC50 PSW bellcup

CLEAR COAT

PPH 707 SB / PPH 707 2K
EC50 W bellcup

BASE COAT 2

PPH 707 SB
EX65 Hi-TE bellcup

BASE COAT 1

PPH 707 SB
EX65 Hi-TE bellcup

PRIMER

PPH 707 SB
EC50 U bellcup



EASYPAIN
ROBOT

EASYPAIN
ROBOT