



Equipment

Designation	Part number
PaintSave station equipped with sensors & regulator	910030476

Accessories

Designation	Part number
Paint hose 4mm ID / 6mm OD	U1GCBR185
Paint hose 7mm ID / 10mm OD	U1GCBR041
PaintSave cover & tube guide	910031004
PaintSave shunt for 2nd circuit	910031003
PaintSave Terminus station for PPH 707 EXT	910029626

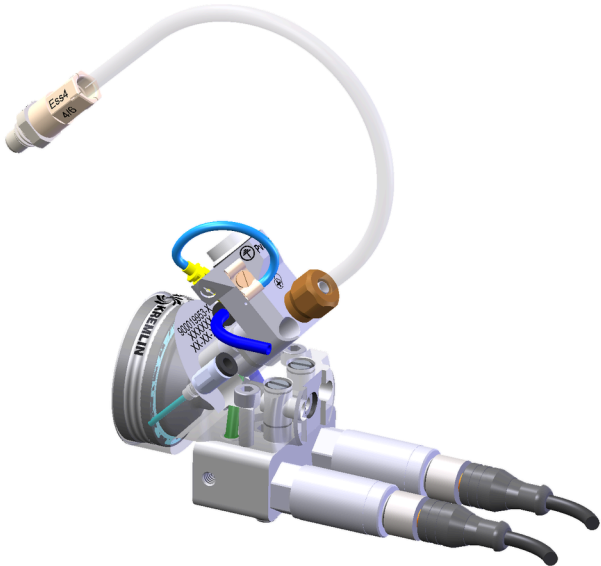
Spare Parts

Designation	Part number
PaintSave Shuttle	900019447

PaintSave

Innovative Push-out technology

Electrostatic / Color Changing



NO MORE PAINT LOSS IN HOSES

- Ultra-low paint loss
- Low running costs and maintenance
- Safe and simple process



AUTOMOTIVE



AGRICULTURAL



CONSUMERS

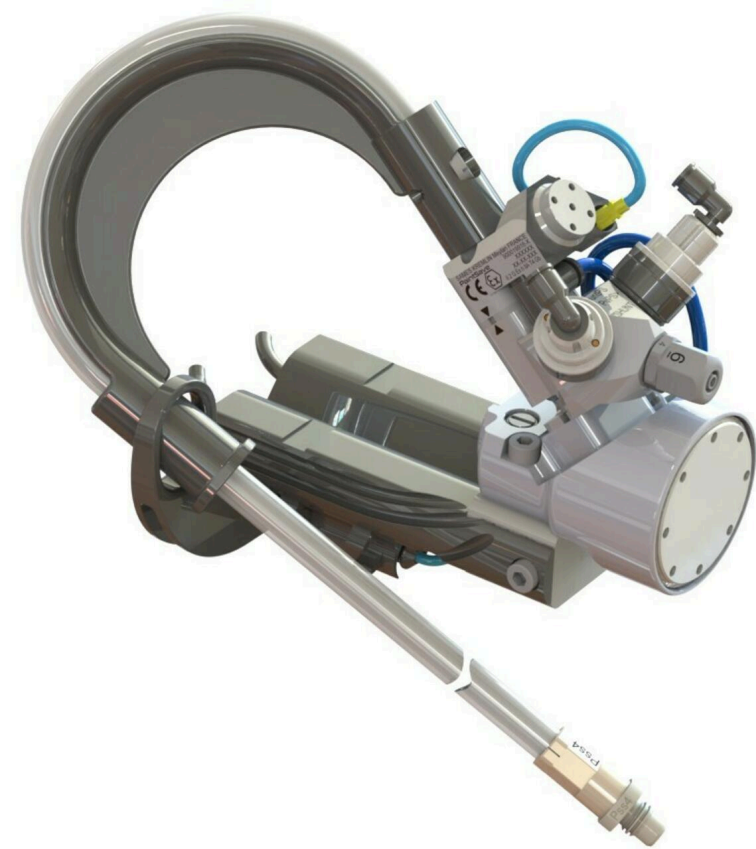


INDUSTRIAL



TRANSPORTATION

Markets



PaintSave

Innovative Push-out technology

PaintSave delivers great paint savings in minimum amounts of time for robotic color changers. Its unique shuttle device allows no risk of solvent or paint stoppage in the hoses. Therefore, hose wear is limited. The Paintsave is a more stable paint process in the marketplace.

PaintSave is an innovative push-out technology to save paint between the color change block and the PPH 707 sprayer. Compared to a classical color change process located in a process arm of a robot, PaintSave is adding only two elements : a Start station and a Terminus station. The Start Station keeps the shuttle device until it is time to spray the last few milliliters of paint. Then the pneumatic valve opens and a magnet pushes away the shuttle into the flow between solvent and paint. The solvent cleans the hose and stays behind the shuttle device as the maximum speed of a laminar flow is in the middle.

Before reaching the Terminus station, the automation detects that the volume to be painted is reached and stops the trigger of the PPH 707. The Terminus station stops the shuttle but the solvent flows around the shuttle to clean the injector.

90% of paint recovery in hose + 50% paint recovery in gear pump + 50% paint recovery in regulator = over 50% paint savings !

The PaintSave has the best efficient color change with PPH 707 EXT and UPside CCV: 18cc only of paint loss, within 10 seconds only. The shuttle is not a piggable system with wearable seals. The shuttle has a small magnet inside to be visible by magnetic sensor of the Start Station.

If the shuttle doesn't come back to the Start station, PaintSave may be bypassed by a second paint circuit available directly to the sprayer PPH 707. The painting robot is always available with standard process, whatever happens to the PaintSave hose.

Technical data table

Designation	Value	Unit: metric (US)
Maximum Material Pressure	10 (145)	bar (psi)
Standard Material Supply Pressure	6 (87)	bar (psi)
Maximum Number of Colors	∞	
Orifice Diameter	4 (0.16)	mm (in)
Stainless Steel Body Material	♦	



PaintSave Technology



Upside Concept

Performance

- 1 Compact & lightweight design for easy integration on process arm of robot
- 2 Fast response time: pneumatic valve unlocks the shuttle
- 3 When shuttle device pushes paint, the solvent cleans the hose.
 - ♦ Ultra Low paint loss: 18 cc (90% of paint savings in hose, 50% of paint savings in gear pump & regulator - Reduced internal volume in gear pump & regulator)
 - ♦ Fast color change: 10 seconds for complete color change

Productivity

- 4 Smart overview with visual sensor for position of shuttle
- 5 When at the station, the paint flows around the shuttle smoothly: no flowrate reduction
- 6 3D printed support to avoid to folding the hose in direction of PPH 707
- 7 2nd safety circuit for painting availability
 - ♦ Easy maintenance with simple construction design
 - ♦ No risk for your hoses even with low bend radius
 - ♦ Full versatility with SAMES KREMLIN sprayers: PPH 707 EXT and PPH 707 SB

Sustainability

- 8 Standard 4/6 paint hoses from SAMES KREMLIN guided with 7/10 hose outside: wear and maintenance free hoses.
 - ♦ No risk to look after a pig: the shuttle is contactless and mooves freely inside the hose
 - ♦ No spring needed: a magnet pushes the shuttle device inside the material flow through the hose
 - ♦ Stainless steel fluid passages for compatibility with most coatings

Description

