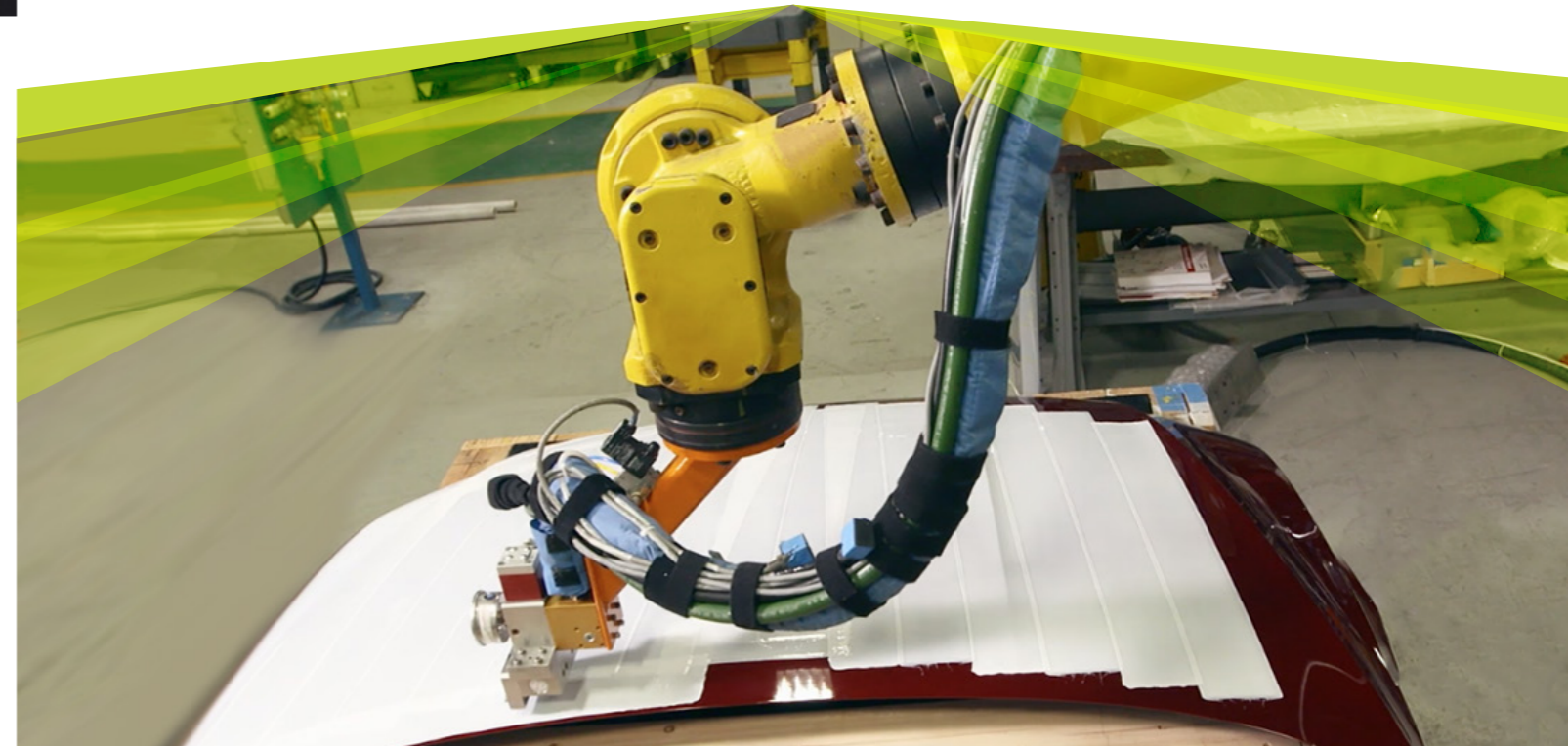




EASYPROTECT SOLUTION

EasyProtect robotic wrap solution is designed to protect painted carbody offering a better protection during transit and a reduction of plastic waste.

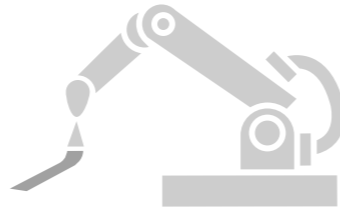
| PAINT FINISHING | SEALING | LASD |
BONDING AND ANTIFLUTTER | POWERTRAIN GASKETING



OEMs need to **protect painted car** at reasonable cost in assembly shop, during application of the protective film and in transit to the local reseller.

Compared to plastic foil, **EasyProtect** is more **flexible** and **safe** for the paint film, generates **less waste**, has a **longer lifetime**, is low labor contend.

Complete covers are much more **expensive** but require more logistics, with dedicated cover for each style to stock and send back to the factory.



COMPLETE SOLUTIONS TO ENSURE

SAFE & FAST PROCESS

- No cutting plastic foil on painted car
- Industrial robot repeatability
- Up to 4m²/min
- Fast dry by infrared curing
- Automatic cleaning head

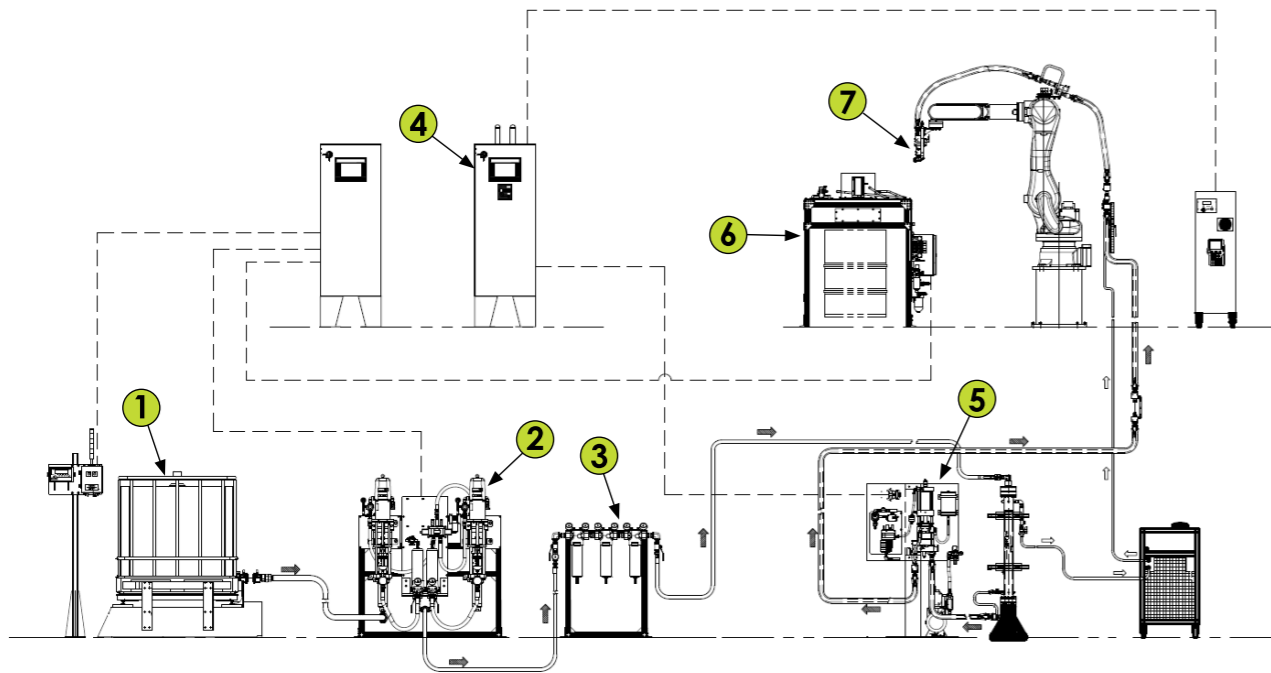
LOW LABOR-CONTENT SOLUTION

- Standard industrial robot
- No manual application
- Quick & easy to peel

DURABLE PROTECTION OF PAINTED CAR

- Protection from Paintshop to the end customer
- Protective barrier for shocks in Trimshop
- Protective barrier for wind, sand, dust, rain, hail or snow
- No plastic foil = no waste to cut
- Waterborne material, reach compliant
- No chemical reaction with drying clearcoat

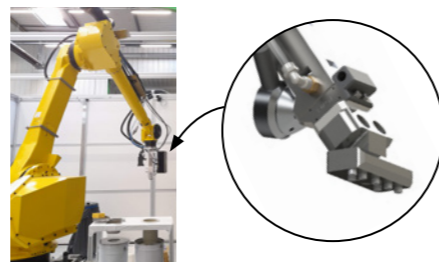
CONCEPT LAYOUT



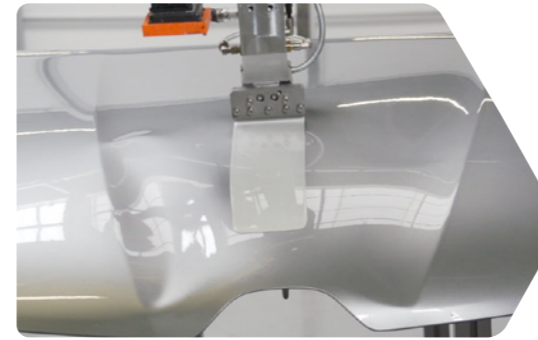
- 1 - Material load station
- 2 - Pump supply station
- 3 - Material filter station
- 4 - Process controller

- 5 - Dispense unit with L1K shotmeter

- 6 - Cleaning station
- 7 - EasyProtect dispense head



CUSTOMER BENEFITS



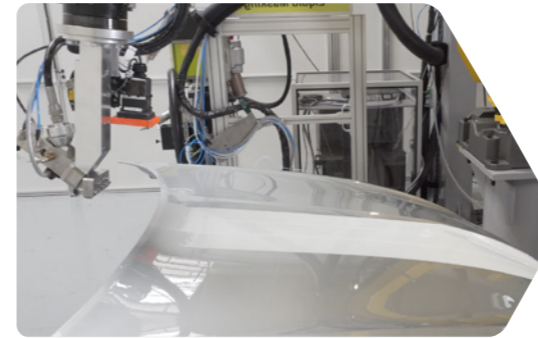
ACCURATE ROBOTIC PROTECTION

- 100% transfer efficiency - No overspray
- Sharp edge
- 200 µm thickness protection



LARGE SURFACE PROTECTION

- Complete car protection with 4 robots on rails
- Stop & go process
- Cycle time <1min
- Up to 4 m²/min
- Vision system required



ROBOTIC APPLICATION GIVES FLEXIBILITY

- Flexible protection of painted part
- Application on horizontal and vertical surfaces
- 92 mm width, adaptable by twisting the head



REMOVABLE PROTECTION

- Easy peel off, remove all at once
- Breathable protection film
- Waterborne material
- Non hazardous waste

EASYPROTECT MORE IN DETAILS

The **EasyProtect solution** is composed of **SAMES KREMLIN's patented** dispense head. The uniform thickness of the strip is given by the size of the shim.

The electrical dosing **edispense L1K**, designed for large volume (1.3L capacity) gives the constant flow of the low tempered material.

The station has its redundant **filtration system** after the low pressure pump station.

The **HMI control**, based on home-made EasyPaint Suite software, pilots heating devices, shotmeter refill process and safety barriers around the dispense cell.



edispense L1K dosing unit