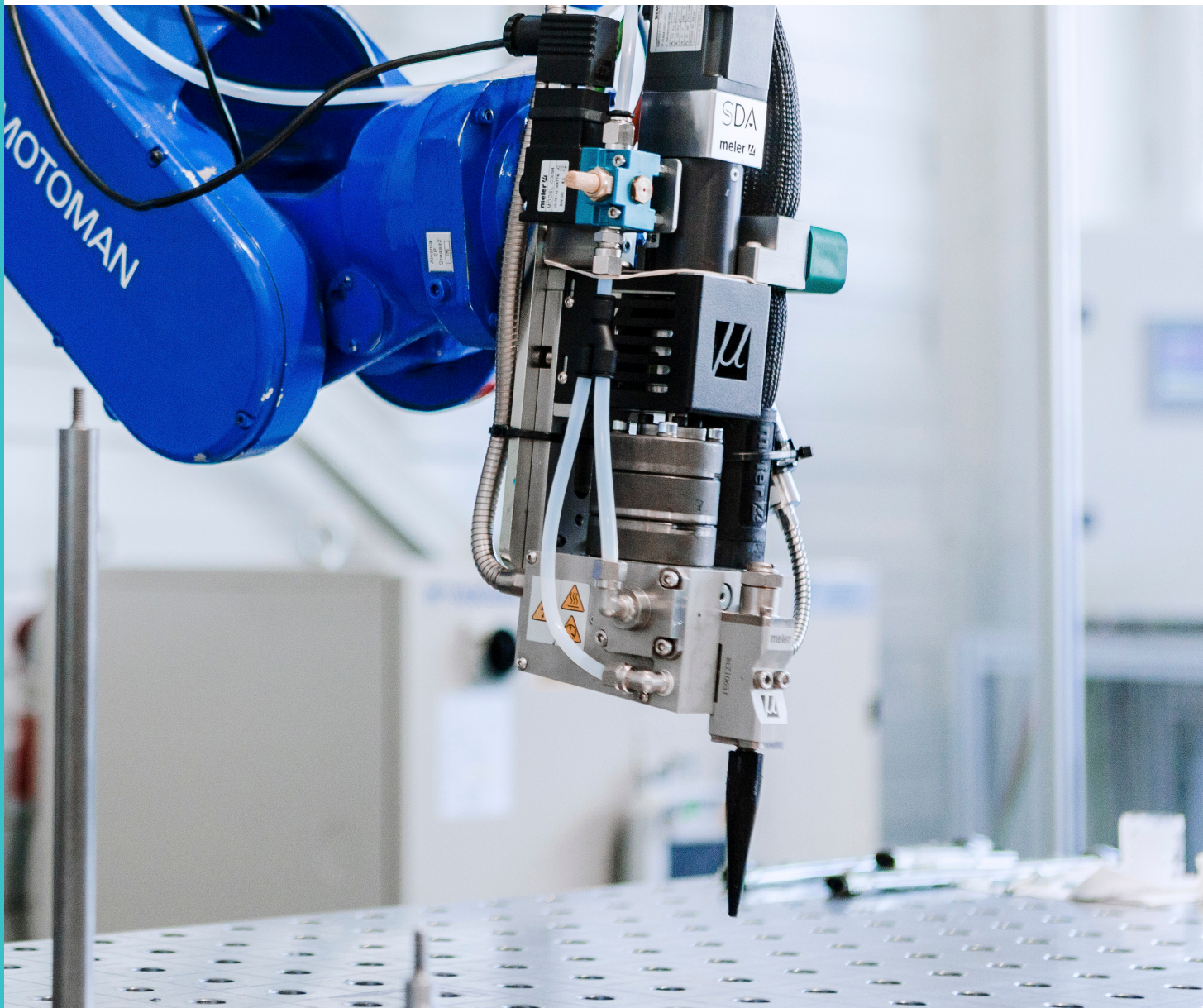


SDA/ SDA FLOW

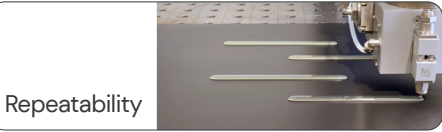
THE SMART PREMIUM LEVEL
ADHESIVE APPLICATION



SDA, THE SMART ADHESIVE APPLICATION

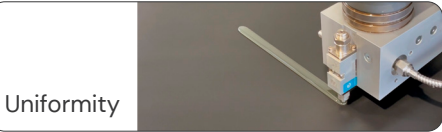
The SDA is next generation applicator providing accurate and repeatable adhesive application. It is capable of monitoring specific application dosages per part.

With **SMART FUNCTION** each application target weight is monitored, and if required by tolerance band, adjusted automatically by pump rpm and logged in main PLC for traceability.



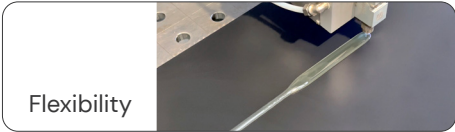
ACCURACY AND REPEATABILITY

- System operates within a tolerance of $\pm 5\%$, based on empirical data.
- Servo controlled volumetric measure.
- Pump installed in the applicator.



CUSTOMIZABLE

- Developed to production requirements: pump volume selection, single or multi modules, bead, swirl or both. Simultaneous dozing, flexible nozzle options to suit application complexity.
- Compatible with high and low viscosity adhesives (**EVA/PUR/POR/FOAM**).



SMART PERFORMANCE

- Adaptability – Fast changes of flow rate in real time.
- Smart – Automatic rpm adjustment.



INDUSTRY 4.0.

- Machine to machine communication M2M.
- Communication with Manufacturing Execution System (MES) of the OEM.
- Plant access to real time data for monitoring. Traceability and storage.



Accurate application of adhesive

SDA

- Approximate Weight 5 kg (11 lb)
- General standard dimensions 159 x 145 x 400 mm (6.3 x 5.7 x 15.7 in)



SMART
FUNCTION

Automatic adjustment of the application



Accurate measurement and monitoring of the application in real time

SDA Flow

- Approximate Weight 9 kg (20 lb)
- General standard dimensions 165 x 191 x 414 mm (6.5 x 7.5 x 16.3 in)

APPLICATIONS



INSTRUMENT PANEL



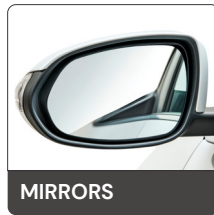
HEADLIGHTS



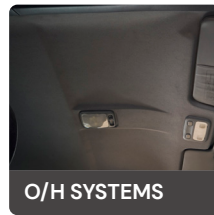
TRUNK



DOORS' INTERIOR



MIRRORS



O/H SYSTEMS

BENEFITS



ROBOT
INTEGRATION



INCREASE
PROCESS
AUTOMATION



RESISTANT TO
VISCOSITY
CHANGES



ACCURACY OF
ADHESIVE FLOW



CONFIGURABLE
TO CUSTOMER
SPECIFICATIONS



MINIMIZE
MANUAL ROBOT
TEACHING



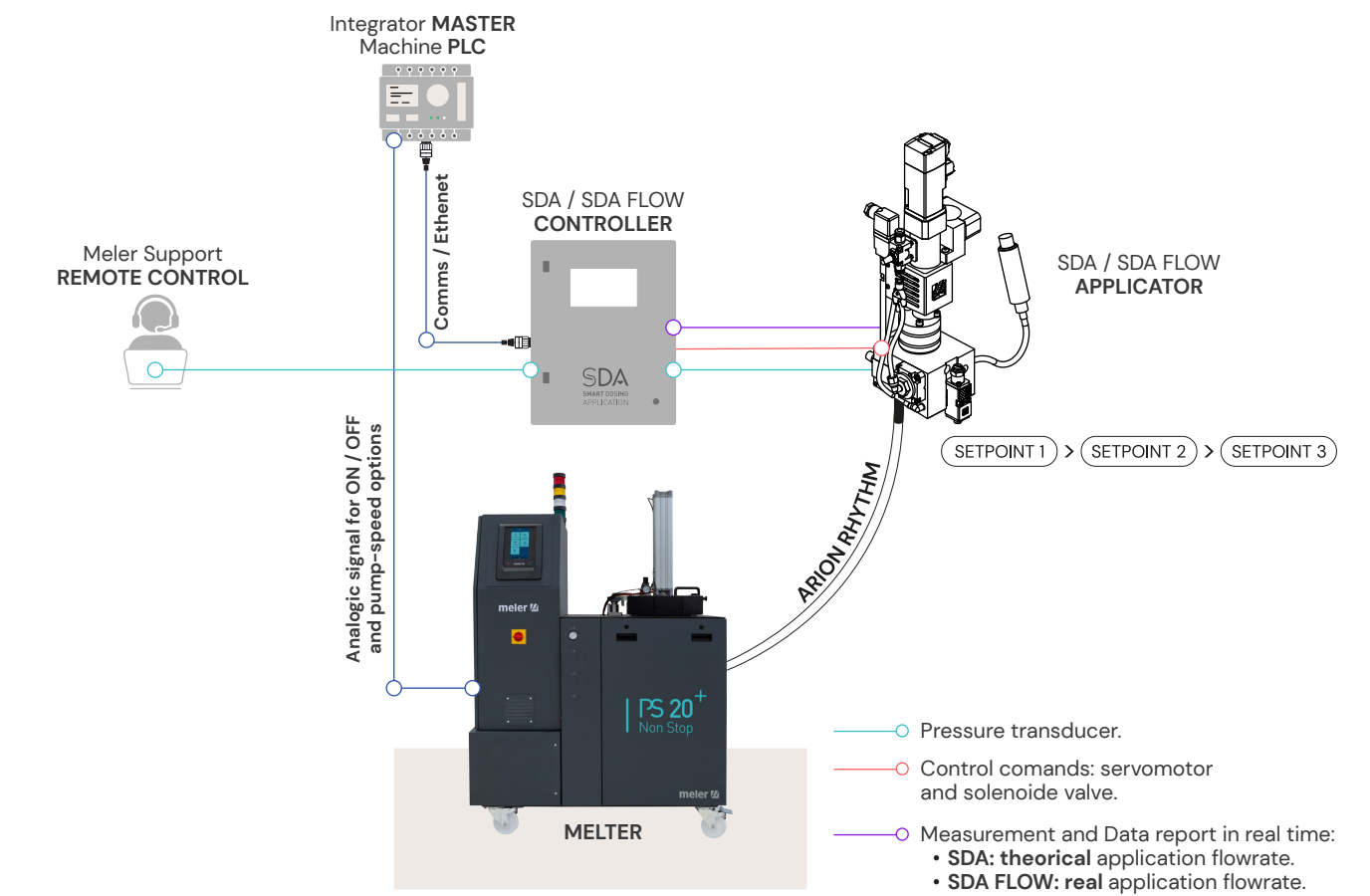
WIDE VARIETY OF
COMMUNICATION
PROTOCOLS



TRACEABILITY

SDA / SDA FLOW

SDA APPLICATOR ADHESIVE APPLICATION SYSTEM COMPONENTS



	SDA	SDA FLOW
Approximate Weight	5 kg (11 lb)	9 kg (20 lb)
Dimensions	159 x 145 x 400 mm (6.3 x 5.7 x 15.7 in)	165 x 191 x 414 mm (6.5 x 7.5 x 16.3 in)
Maximal hydraulic pressure (safety pressure control system)	80 bar (1160 psi)	
Recommended equipment supply pressure	10 – 30 bar (145 – 435 psi)	
Flow rate*	1 cc/rev pump: 6 L/h (1.6 gal/h) max	
	2 cc/rev pump: 12 L/h (3.2 gal/h) max	
	2.5 cc/rev pump: 15 L/h (4 gal/h) max	
	4 cc/rev pump: 24 L/h (6.3 gal/h) max	
Flow rate accuracy	±5%	
Power supply voltage	230 VAC, 50/60 Hz (from the melter unit)	
Maximum working temperature	Up to 200 °C (392 °F) in normal conditions	
Maximum air pressure	6 bar (dry, filtered, non-lubricated)	
Temperature control	RTD ± 0,5 °C (± 1 °F) (Ni120/Pt100)	
Environmental conditions	Ambient temperature : 10 °C – 30 °C (50 °F – 86 °F)	
	Relative humidity: 90% RH max (at 30 °C / 86 °F)	

*According to pump configuration and adhesive type.