

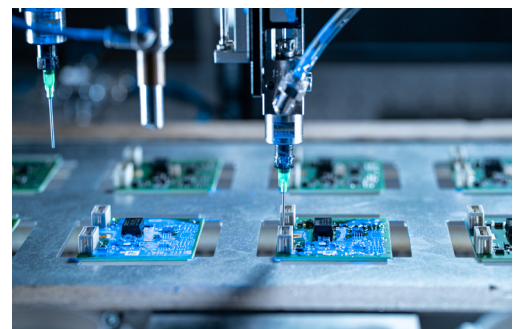
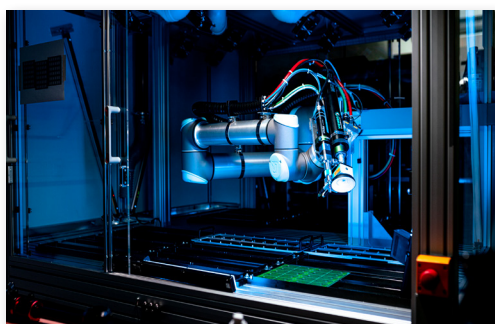
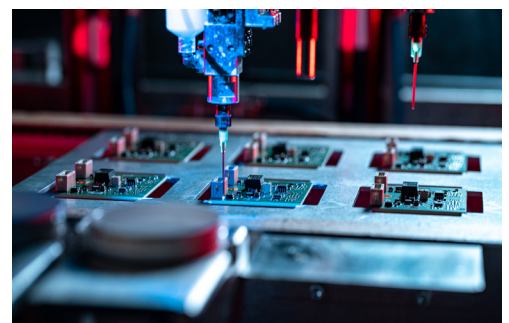


# 6dRoboDispens 216

6-axis robot for large-volume and large-area dispensing applications

The innovative and powerful 6-axis robot for potting, sealing and bonding.

- 1-component precision dosing via e.g. Euro cartridges
- 2-component metering from tank systems
- double cell to reduce handling times
- stable and controllable room climate for stable production processes
- modern and expandable safety system with safety PLC



## Conveyor system 1 K

Mixture	none
Effective flow rate min	1.4 bis 16 ml/min
Tank	Euro cartridge 310 ml
Potting compounds	Polyurethanes
Dosage	Luer lock needle
Mode of operation	volumetric

## Conveyor system 2 K

Mixture	static mixer
Effective flow rate	0.1 l/min to 1 l/min
Tank	30 l per component (can be evacuated)
Potting compounds	Polyurethanes
Viscosity	500 mPas - 2,0000 mPas
Maximum number	1 x 2 K
Extensibility	Paint valves, needle valves and rotary

More detailed information

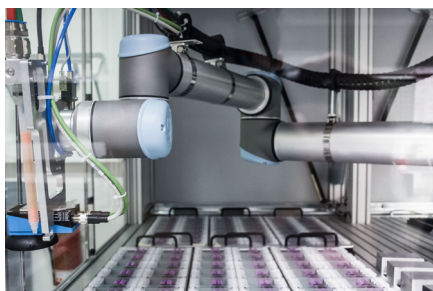


## Coordinate table

Clamping surface	X = 2000 x Y=1.000 mm (Each cell)
Travel X	2.000 mm
Travel Y	2.000 mm
Travel Z	500 mm
Shower height Z	500 mm
Positioning speed X+Y	1.000 mm/s max.
Positioning speed Z	1,000 mm/s max.
Working speed	Dependence on radius
Repetition accuracy	0.1 mm
Positioning error	calibratable
Payload	10 kg
Head support	Potting head 1K   Potting head 2K   Universal
Table	ESD structure
Operation	Touch Terminal
Operating temperature	5°C ... +40°C with / without condensation
Total weight	approx. 700 kg

## Alignment (Optional)

Sensor	Camera CMOS matrix sensor, gray values
Resolution	640 x 480 @ 40 FSP
Positioning accuracy	depending on focus and lens
Image evaluation	edge detection   circle detection   object search   pattern search   object measure-
Position	Head



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