

DROP-ON-DEMAND (DOD)

ACCURA

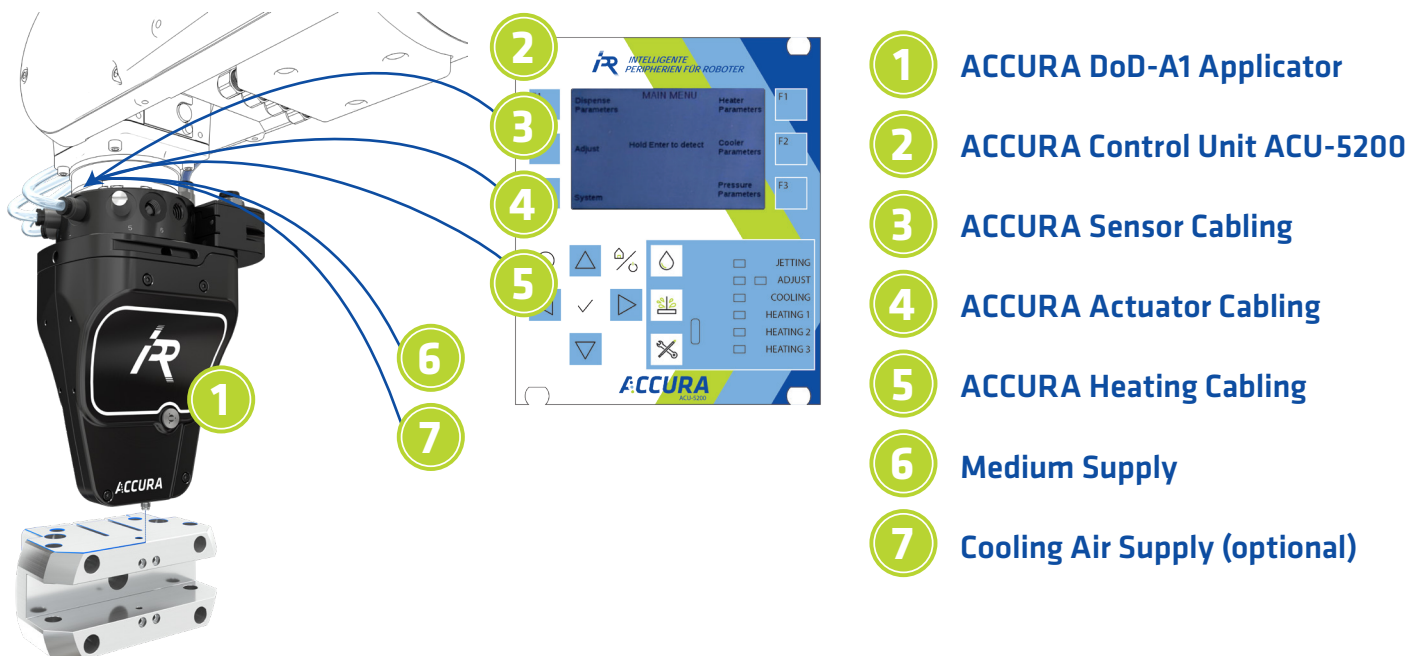
ACCURA

Sharp-edged coating with the ACCURA product family

Thanks to the drop-on-demand process, you can coat your components without generating overspray.

No more time-consuming masking! With the drop-on-demand application process, individual drops are only ejected from the nozzle when they are actually needed. These are then intelligently overlaid to form lines and areas. The coating is applied with sharp edges. This enables many applications such as precise functional coating on battery modules to increase performance and longevity, or corrosion-resistant coatings on battery cells to protect them from external influences.

System structure



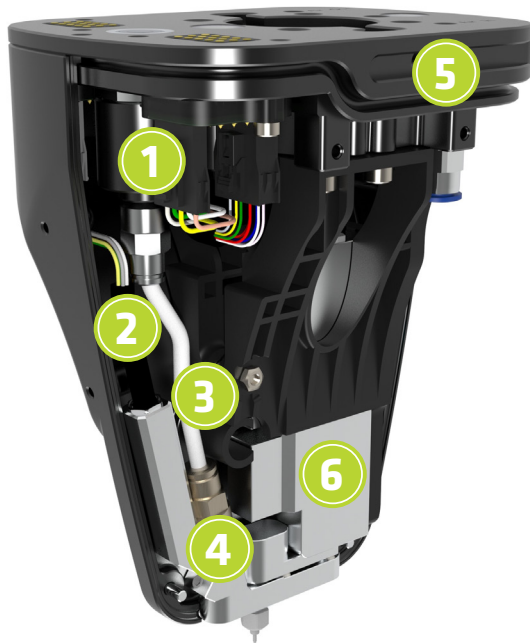
- + no satellite/scar formation
- + defined droplet size
- + integrated tool changing system

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System structure



- 1** Electrical Feedthrough
- 2** Fluidic Heating
- 3** Riser for medium
- 4** Fluidic
- 5** Magazine shelf with locking mechanism
- 6** Print Head

Technical data

Attribute	Unit	Value
Viscosity	[mPas]	up to 30,000 (PCV)
Medium		aqueous solution, glue, waxes, UV coatings, PVC, ...
Layer thickness	[μm]	> 50
Tolerance	[μm]	± 10
Web width	[mm]	Layer thickness 50 μm \rightarrow < 1mm Web width Layer thickness 200 μm \rightarrow ~ 2mm Web width Layer thickness 800 μm \rightarrow ~ 10mm Web width
Supply pressure	[bar]	0.1 - 70
Frequency	[Hz]	up to 2,000, depending on the medium
Feed rate	[mm/s]	< 1,000
Application options		Points - Lines - Surfaces - Curves
Orientation of application		horizontal, vertical, overhead
Tare mass	[g]	ACCURA Applicator 1,600 Interface module 320 TK-50 tool changer 500
Voltage	[V]	48VDC
Power consumption	[A]	8A/4A
Operating temperature	[$^{\circ}\text{C}$]	10 to 50

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