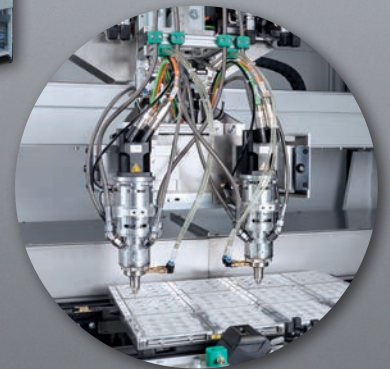


Product Information: Dispensing Cell DC-CNC1150

Compact and flexible - the big-time compact dispensing cell for secure sealing, bonding, and potting using up to four components



DC-CNC1150 with conveyor



Variation: dual mixing system



Front view

Rear view with tanks in maintenance position

Your Advantages

Compact design

- > Integrated control cabinet, safety housing
- > High-speed gantry robot

Controls

- > Sinumerik 840D Solution Line with operating panel OP08
- > Quick and flexible programming of different parts through recipe management
- > Integrated process controls

High flexibility

- > Compatible with all available RAMPF mixing and dispensing systems
- > Flexible automation solutions - from manual to automatic part loading

Accurate metering

- > Highly precise metering close to the mixing system
- > Servo-driven gear pumps for up to four components
- > Short hoses between metering pumps and mixing head for highest accuracy

Highly productive

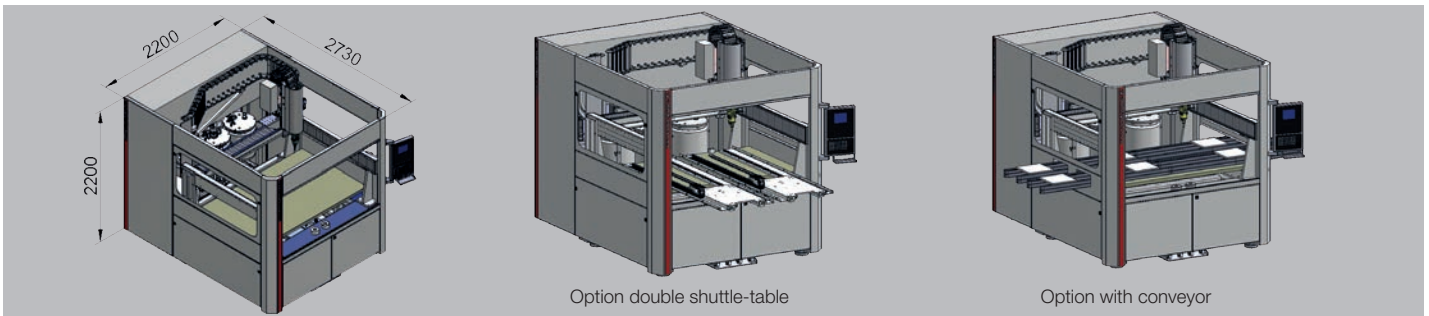
- > Increased productivity through optional dual mixing system
- > High travel speed during dispensing

Dispensing Cell DC-CNC1150

Product Details

The DC-CNC1150 is the ideal solution for all complex applications, including the three-dimensional dispensing of sealants, glues, or encapsulants. The DC-CNC1150 combines the highest standards in NC technology with the low-maintenance linear motion CNC-axis.

This supports the perfect interaction of the metering process, the motion axis, and complex automation systems. The modular architecture of the CNC allows for easy integration into existing production systems.



Technical Data

Flow rate, mixing ratio, viscosity	depends on selected mixing system
Max. travel speed	X, Y, Z = 60 m min ⁻¹
Repeatability	< 0.10 mm (ISO 9283)
NC controls	Siemens Sinumerik 840D SL
Dispensing programs	512
Electrical supply	400 V / 16–32A / 50 Hz (60 Hz)
Power consumption	5.5–12 kW
Compressed air supply	> 5 bar at max. flow 800 l min ⁻¹
Compressed air consumption	5–20 l min ⁻¹
Weight	approx. 2800 kg
Work area	X, Y, Z = max. 1150, 1000, 300 mm

Options (more upon request)

- > HP rinse recycling system or HP water rinsing system
- > Nucleation controller for air load controls of gasket materials
- > Material recirculation system and temperature controller
- > Automatic thin-film degassing for bubble-free potting
- > Various automation equipment available (rotary index tables, shuttle tables, conveyor lines, customized automation)
- > Individual process monitoring and visualization
- > Process data collection, interfacing to customers' PPS
- > Integration of up to four material components
- > Integrated shot-weight scale, nozzle check station, nozzle cleaning station

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