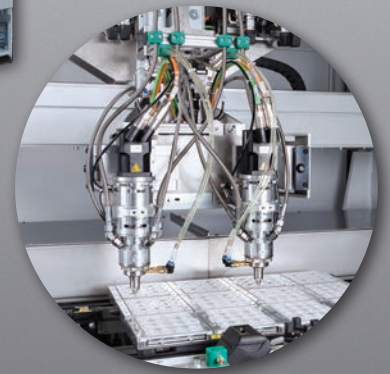


## Product Information: Dispensing Cell DC-CNC 1150

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



DC-CNC 1150 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

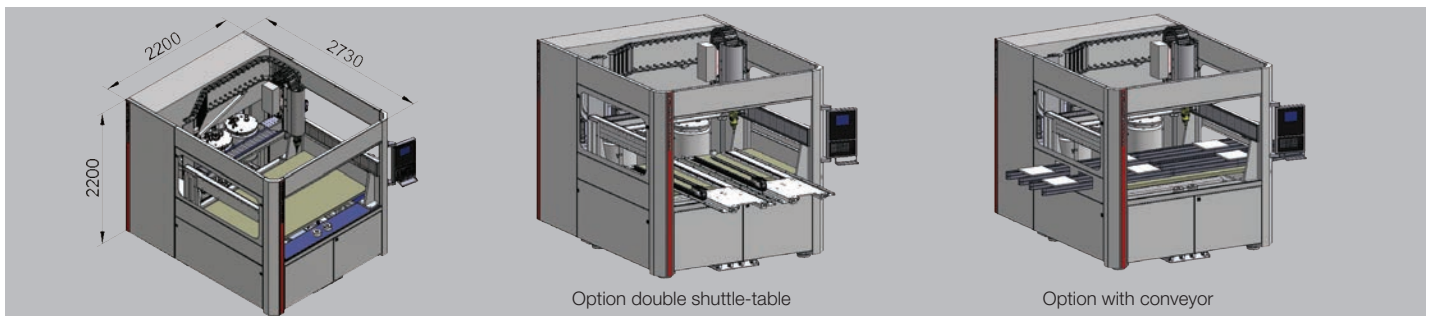
- > Increased productivity through optional dual mixing system
- > High travel speed during dispensing

# Dispensing Cell DC-CNC 1150

## Product Details

The DC-CNC 1150 is the ideal solution for all complex applications, including the three-dimensional dispensing of sealants, glues, or encapsulants. The DC-CNC 1150 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

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