

Product Information Dispensing Cell DC-CNC 1150

Compact & flexible: the large dispensing cell with up to four components for safe sealing, bonding and potting.



Version with 3 components and innovative mixing system MS-C



Retractable tank stand for easy refill

Your advantages:

» Compact design with

- Integrated control cabinet
- 2K- to 4K-material conditioning
- Safety housing

» Control

- Sinumerik 840D Solution Line with OP08
- Fast and flexible programming of different parts by recipe management

» Highspeed Portal-Robot

- Max. acceleration 10 m/s²
- Maintenance-free rack-and-pinion drives
- $V_{\max} = 60$ m/min

» High flexibility

- Can be combined with all available RAMPF mixing and dispensing systems
- Manual or automatic workpiece loading

» Accurate metering

- Highly precise metering close to the mixing system by servo-driven gear pumps for up to 4 components
- Short hoses between metering pumps and mixing head for highest accuracy

» Highly productive

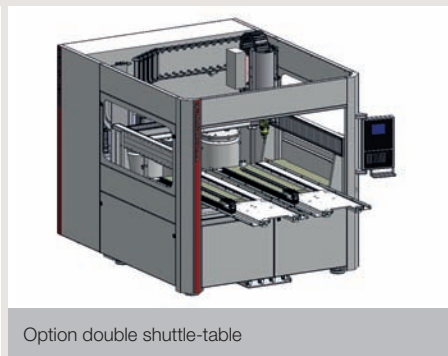
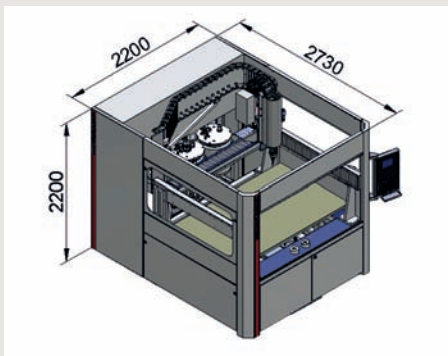
- Increased productivity through optional dual mixing system
- High travel speed during dispensing



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 and 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 NC allows for an integration into existing production systems.



Option double shuttle-table



Option with conveyor

Technical Data (subject to change)

Dispensing capacity, Mixing ratio, Number of components etc.	Depending on selected mixing system
Maximum travel speed	x, y, z = 60 m/min
Repeatability	< 0,10 mm (ISO 9283)
NC controls	Siemens Sinumerik 840D
Dispensing programs	99
Power supply	400 V / 16 – 32 A / 50 Hz (60 Hz)
Power consumption	5,5 – 12 kW
Compressed air supply	> 5 bar at max. 800 l/min.
Compressed air consumption	5 – 20 l/min.
Weight	Approx. 1600 kg
Working range	x, y, z = max. 1150 x 1000 x 300 mm

Optionen (more upon request)

- » High-pressure rinse recycling system or high-pressure water rinsing
- » Nucleation controller for density control of foam materials
- » Material recirculation system with temperature control
- » Automatic thin-film degassing system for bubble-free casting
- » Various types of automation equipment available (e.g. rotary index tables, conveyors, shuttle tables)
- » Customized production and process data monitoring and collection
- » Customized interfacing to existing production control systems
- » Teachpanel HT8
- » Up to four material components
- » Integrated shot-weight scale, nozzle check station, nozzle cleaning station

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