

Product Information: Dispensing Cell DC-CNC 800

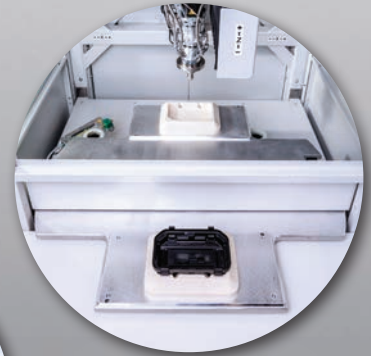
Compact and flexible – the new dosing system for dynamic sealing, encapsulating, and bonding



DC-CNC 800
with shuttle table
and light curtain



Closeup: dual shuttle table



Variation: 2-station rotary
index table



DC-CNC 800 with tanks in working position

DC-CNC 800 with tanks in maintenance position

Your Advantages

Compact design

- > Integrated control cabinet
- > Safety housing with real glass windows
- > High-speed linear axis system
- > 2K-material conditioning on carriage for easy maintenance

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

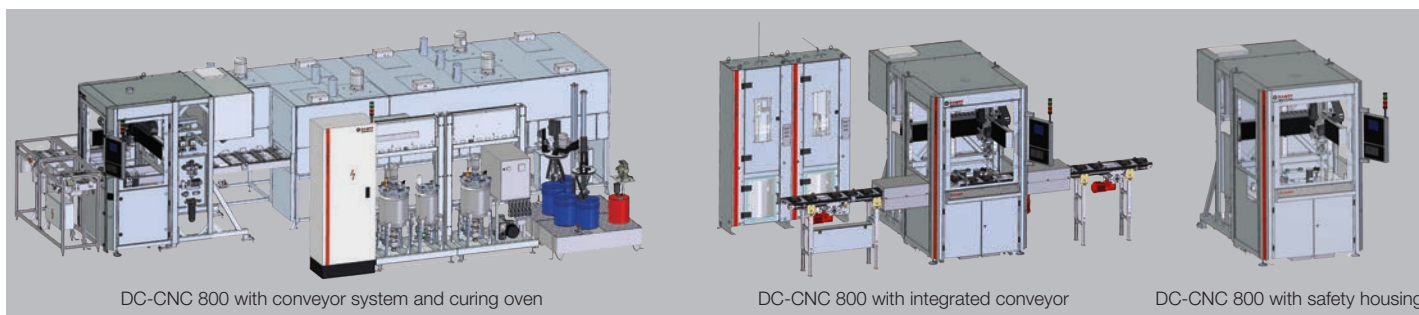
- > Highly precise metering close to the mixing system
- > Servo-driven gear pumps
- > Short hoses between metering pumps and mixing head for highest accuracy

Dispensing Cell DC-CNC 800

Product Details

The DC-CNC 800 is the compact solution with minimum space requirements. It combines flexibility and dynamics for 2D- or 3D-dispensing of sealants, adhesives, and resins.

State of the art control technology combines dispensing technology with the precision of a linear robot. The modular control is designed for fast and simple integration into any production system.



Technical Data

Flow rate, mixing ratio, viscosity	depends on installed mixing system
Max. travel speed	X, Y = 60 m min ⁻¹ , Z = 40 m min ⁻¹
Max. acceleration	10 m s ⁻²
Repeatability	< 0.10 mm (ISO 9283)
Controls	Siemens Sinumerik 840D SL
Dispensing programs	max. 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. 2200 kg
Work area	X, Y, Z = 800, 400, 200 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
- > 12" colour display, process data collection, interfacing to customers' PPS
- > Integrated shot-weight scale, nozzle check station, nozzle cleaning station

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