



Dispensing Cell DC-CNC 800

The compact dispensing cell for the perfect combination of flexibility and dynamic

Compact, flexible, high-performance

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.



Compact design

- High-speed linear axis system
- 2K-material conditioning on carriage for easy maintenance
- Integrated control cabinet



Accurate metering

- Precision gear or piston pumps
- Highly precise metering close to the mixing system
- Servo-driven gear pumps
- Static or dynamic mixing



High flexibility

- Compatible with all available RAMPF mixing and dispensing systems
- Flexible automation solutions – from manual to automatic part loading
- Integration in production lines or stand-alone concepts

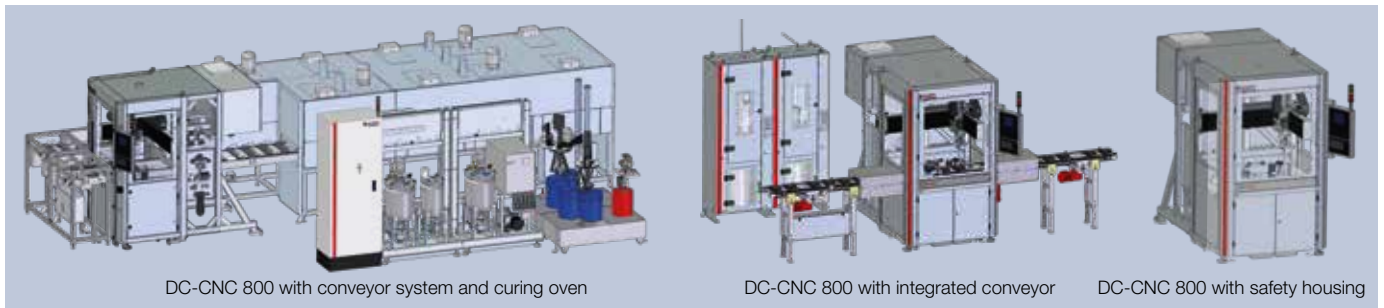


Controls

- Beckhoff or Siemens
- Quick and flexible programming of different parts through recipe management
- Integrated process controls
- Intuitive operating concept via RAMPF-HMI

DC-CNC 800

Equipment and expansion options



Technical Data

Flow rate, mixing ratio, viscosity depends on selected mixing system

Max. travel speed	X, Y = 60 m min ⁻¹ , Z = 40 m min ⁻¹
Acceleration	10.0 m sec ⁻²
Repeatability	< 0.10 mm (ISO 9283)
Controls	Beckhoff or Siemens
Electrical supply	400 V / 16 – 32 A / 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 = max. 800, 400, 200 mm

Options (more upon request)

- High-pressure rinsing system with cleaning agent or water
- Nucleation controller for air load controls of gasket materials
- Material recirculation system and temperature controller
- Thin-film degassing for bubble-free potting
- Various automation equipment available (rotary index tables, shuttle tables, conveyer lines, customized automation)
- Individual process monitoring and visualization
- Process data collection, interfacing to customers' PPS
- Integrated shot-weight scale, nozzle check station, nozzle cleaning station

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