



## Dispensing Cell DC-CNC 250

Desktop cell for high-precision dispensing of abrasive materials

### Slim design – Easy access

With its static mixing system, the DC-CNC 250 desktop cell offers various ways of dispensing gap fillers, casting systems, and adhesives. Its slim design and good accessibility guarantee that the cell can be flexibly placed in your production line.



#### High-precision metering of small quantities

- Processing of 1- and 2-component materials
- Viscosity ranges from 100,000 – 700,000 mPa\*s
- Static mixing unit
- Freely programmable mix ratio from 100:100 – 100:10
- For shot sizes > 5 mg
- Processing of highly abrasive materials



#### Compact and flexible design

- Desktop device with integral controls and material supply
- Material supply from cartridges
- Comfortable access for maintenance



#### Intelligent controls

- High-resolution 15"-touchpanel with Embedded PC
- RAMPF process visualisation
- Operator-friendly safeguarding of work area with lift door
- Convenient operation

# Dispensing Cell DC-CNC 250

## Product Details

The DC-CNC 250 is designed as a desktop device and is freely programmable for dispensing dots and beads.

The integrated dispensing system is specially designed for the processing of abrasive 2-component materials. The different components are dispensed by a servo-electric piston system made for extreme service life. This ensures maximum precision and extended service life during the service intervals. Compatible with all common static miscible greases, adhesives, and resins.

To ensure a safe production the machine is equipped with nozzle check.



## Technical Data

### Flow rate, mixing ratio

> 0.01 – 0.5 cm<sup>3</sup> sec<sup>-1</sup> at mixratio 1:1

### Accuracy

$C_{mk} > 1.67$  at shot size 0.01 +/-10 % cm<sup>3</sup> @ 0.01 cm<sup>3</sup> sec<sup>-1</sup>

### Shot size

min. 0.005 cm<sup>3</sup>, max. 5 cm<sup>3</sup>

### Axis speed

X-Y-Z max. 6 m min<sup>-1</sup>

### Repeatability

< 0.1 mm

### Material supply

20-oz-cartridges (600 ml)

### Max. part volume (L x W x H)

approx. 280 x 280 x 80 mm

### Operating system

Windows 10

### Controls

Beckhoff

### Electrical supply

110 – 230 V / 50 – 60 Hz, 16 A

### Compressed air consumption

> 5 bar, 5 l min<sup>-1</sup>

### Weight

approx. 180 kg

### Dimensions

approx. 900 x 900 x 1100 mm (L x W x H)

## Standard Interface

Inputs	Program-No. 1–15	Automatic START	Acknowledge Fault	START-Enable					
Outputs	System ready / Automatic	Combined Fault	Shortage of Materials	Warning	Processing active	Dispensing active	Dispensing OK (500 ms)	Dispensing NOK (500 ms)	

## Options (upon request)

- Manual workplace with working table and tool cabinet
- Material supply from 310-ml-cartridges

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