

Product Information: Dispensing Cell DC-VAC

Innovative Material Processing –
Vacuum Casting for demanding materials



Your Advantages

- > Flow rate range 0.2–15 g/s (depending on mixing system)
- > Vacuum chamber for standard part carriers up to 320 x 320 mm
- > Graphic process overview in connection with optional operating panel OP08/012 colour display
- > Precise metering via gear pumps or piston pumps
- > Various options for process monitoring
- > Integrated recipe management
- > Constant material quality via material recirculation through the mixing system

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Dispensing Cell DC-VAC

Product Details

The vacuum dispensing cell DC-VAC is designed for the dispensing of 1K and 2K casting resins. The cell is equipped with material conditioning under vacuum and the dynamic mixing system MS-C. The vacuum chamber has large windows

to check and adjust the encapsulation process. Various monitoring options allow for full process control. The vacuum chamber can be designed for manual or automatic part loading.



Technical Data

Dispensing capacity, mixing ratio, number of components, etc.	depends on installed mixing system
Weight	approx. 1200 kg
Repeatability	< 0.1 mm (ISO 9283)
Controls	Siemens Sinumerik 840SL with OP08
Stroke of axis (X-Y-Z)	320 x 320 x 50 mm inside the chamber
Max. speed	24 m min ⁻¹
Chamber evacuation time	approx. 15 s (at 100 mbar)
Dispensing programs	512
Electrical supply	400 V / 16–32 A / 50 Hz (60 Hz)
Electrical consumption	approx. 15 kw
Compressed air supply	> 5 bar at max. 800 l min ⁻¹
Compressed air consumption	5–20 l min ⁻¹

Options (more upon request)

- > High pressure solvent rinse or high pressure water rinse system
- > Barrel transfer station with agitator
- > Material recirculation inside the tank
- > Different agitator geometries available
- > Temperature controlled material hoses and tanks
- > 3-chamber system for integration into automatic production lines
- > Vacuum chamber with 400 x 400 x 50 mm
- > Piston dispensing system for abrasive materials
- > Process monitoring of: component pressure, tank level, vacuum level, shot-weight through automatic scale
- > Tele-service
- > Colour display OP08/012 on swivel arm
- > Integration into all common production lines via digital I/O interface or profibus

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