

# Product Information Dispensing Cell DC-VAC

Innovative Material Processing –  
Vacuum Casting for demanding materials

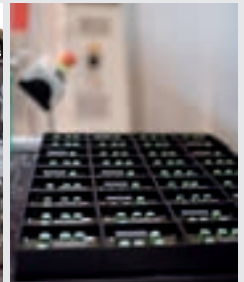


Mixing system  
in waiting position

2K tank stand  
with sliding cover

Material tanks equipped with  
viewing glass, agitator and  
integrated metering pumps

Pallet before casting



## Your advantages

- » Flow rate range 0.2–15 g/s (depending on mixing system)
- » Precise metering via gear pumps or piston pumps
- » Constant material quality by material recirculation through the mixing system
- » Vacuum chamber for standard part carriers up to 320 x 320 mm
- » Various options for process monitoring
- » Graphic process overview in connection with optional OP010/012 colour display
- » Integrated recipe management

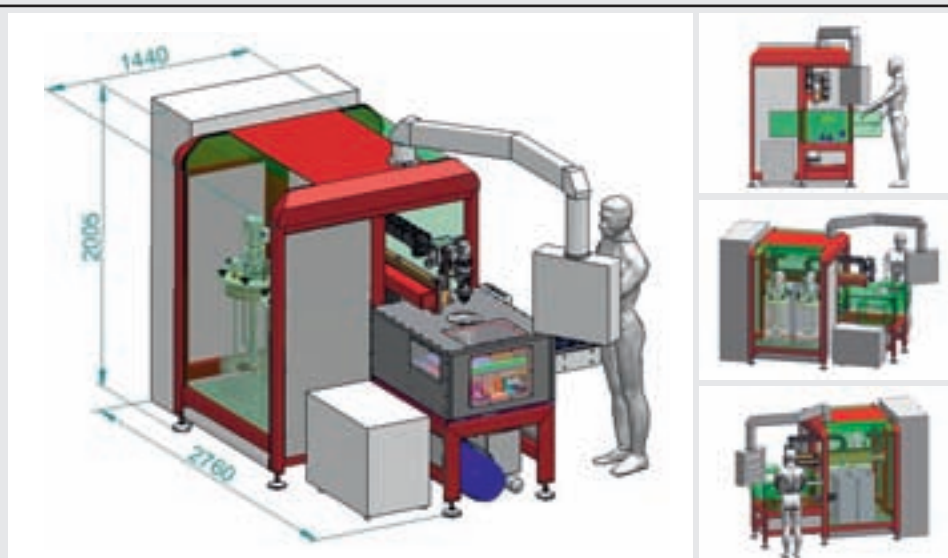


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# Dispensing Cell DC-VAC

## Product details

The vacuum dispensing cell DC-VAC is designed for 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.



3-chamber system for integration in automatic production lines

## Technical Data (subject to change)

Dispensing capacity, Mixing ratio, Number of compents, etc.	Depending on installed mixing system
Weight	app. 1200 kg
Repeatability	< 0.1 mm (ISO 9283)
Control	Siemens Sinumerik 810D with OP010
Stroke of axis (X-Y-Z)	320 x 320 x 50 mm inside the chamber
Max. speed	24 m/min
Time to evacuate chamber	app. 15 s (at 100 mbar)
Dispensing programs	99
Electrical supply	3 x 400 V/50 Hz; 32 A
Electrical consumption	app. 15 kw
Compressed air supply	> 5 bar at max. 800 l/min
Compressed air consumption	5-20 l/min
Colour	RAL 7035/3002

## 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 in 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 OP010/OP012 on swivel arm
- » Integration into all common production lines via digital I/O interface or profibus

\*Errors excepted. Subject to change. (as per 02/2008)

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