



Cartridge Dosing Unit

—
Kartuschendosierer

Functional description

The ATN cartridge dosing unit applies material from disposable or reusable cartridges in a fully automatic manner.

It is optimally suited for the use of small quantity applications for research and technical centers or small batch productions

The IFC control system makes precise and repeatable dosing directly from cartridges possible. The uncomplicated design of the material chamber ensures high flexibility of the substances to be tested.

The cartridge dosing unit is able to apply materials out of high-pressure cartridges up to 200 bar with temperatures up to 80° C.

Product characteristics

- ✓ ideal solution for small quantity applications for research- or test centers
- ✓ easy to maintain due to separate material and drive chamber
- ✓ independent system due to own ATN control
- ✓ additional heating of the material possible
- ✓ precise dosing via special hard- and software
- ✓ short switching times due to needle valve applicator
- ✓ no upstream material supply or additional material hosing necessary
- ✓ Material intake with commercially available standard, aluminum or high-pressure cartridges
- ✓ stationary attachment to the application tower or directly to the robot
- ✓ combination with ATN Cartridge filling station possible for independent filling of cartridges
- ✓ small space of the overall system



* Applicator is designed specifically for the project

General technical data

Dimensions (WxDxH)	319,95 mm x 243,25 mm x 1292,5 mm
Mass	46 kg
Operating voltage	400 V
Rated current	4,4 A
Power	1000 W
Max. temperature	80° C
Air pressure	6 bar
Application pressure	max. 200 bar

Functional extensions

- use of high-pressure cartridges (5 - 200 bar)
 - quick change unit for entire material chamber
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Applicable materials

- Epoxies
 - Poly Urethanes
 - Insulation materials
 - Silicones
 - others on request
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