

dispenser



Piston dispenser
dos piston
Material dispensing from 0.1 to 106 ml
for abrasive and non-abrasive media.



Progressive cavity dispenser
dos screw
Spot dispensing from 15 µl and continuous bead
application at a speed of up to 600 ml/min.

dosmatix product portfolio



Material preparation up to 70.000 mPa·s
dos prep light
Preparation and feeding of
abrasive and non-abrasive materials
with a filling volume of 0.5 or 3 liters.



Material preparation up to 70.000 mPa·s
dos prep
Preparation and feeding of
abrasive and non-abrasive materials
up to a viscosity of 70,000 mPa·s.

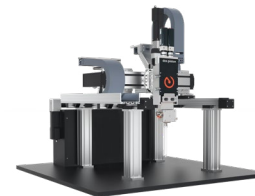


Material preparation from 70.000 mPa·s
dos feed C
Feeding abrasive and non-abrasive
materials in cartridges from a
viscosity of 70,000 mPa·s.



Material preparation from 70.000 mPa·s
dos feed H
Transport of abrasive and non-
abrasive materials in hobbicks
from a viscosity of 70,000 mPa·s.

material preparation



Integration
dos in-line
Axis system for movement of the
dispenser in 3 degrees of freedom.



Stand-alone
dos cell light
Compact dispensing robot incl.
protection cell with axis movement in 3
degrees of freedom.



Stand-alone
dos cell
Axis system including protection
cell for moving the dispenser through 3
degrees of freedom.



Vakuum chamber
dos vac
Vacuum chamber with integrated
axis system for positioning components
in 3 degrees of freedom.

kinematics



- Space-saving design**
This innovative solution for preparing small volumes saves space by integrating seamlessly into dispensing systems and overall systems - without requiring additional space.
- Flexible filling options**
The material can be filled in two freely selectable ways: Hose solution or funnel.
- Continuous material recirculation**
Continuous circulation of the material ensures that consistently high quality results are achieved throughout the entire process.
- Fill level monitoring**
Two sensors monitor the fill level to prevent interruptions in operation. In addition, sight glasses make it easy for the operator to check the level
- Vacuum pump: High performance for bubble-free material**
A vacuum pump generates a strong and fast vacuum, which significantly increases the absence of bubbles in the material and ensures optimum material quality.
- or
- Ejector: Cost-efficient solution for lower requirements**
The dosmatix ejector variant offers a budget-friendly entry-level option, ideal for materials with less demanding requirements that still demand reliable performance.

Optional functions:
Heating
The optional equipment with a heater enables heating the material up to 80°C.

Variant	S	L
Volume per variant	0,5 l	3 l
Feed volume	35 ml/stroke	
Vacuum level	5 mbar	
Maximum temperature	80 °C (with option heating)	
Height	570 mm	1070 mm
Weight	6.5 kg	12 kg

new in > dos prep light



material preparation | small volume preparation

dos prep light

smart preparation
for small volumes.

Preparation and feeding with a filling volume of 0.5 or 3 liters.

advantages:

- Efficient preparation of very low volumes
- Space-saving integration
- Two variants for optimum material homogenization
- Ideal for laboratory and research applications

new product by dosmatix