

# dos prep

material preparation for  
perfect dispensing results.

For abrasive and non-abrasive materials up to 70,000 mPa·s.



## unmatched feed performance

- Maximum pump performance achieved by the shortest pull up times
- Previously unachieved feeding speed of 250ml/min with a material viscosity of 70,000 mPa·s

## industry 4.0-capable sensors

- Self-calibrating pumps for best feed performance
- Maintenance support through software-supported monitoring

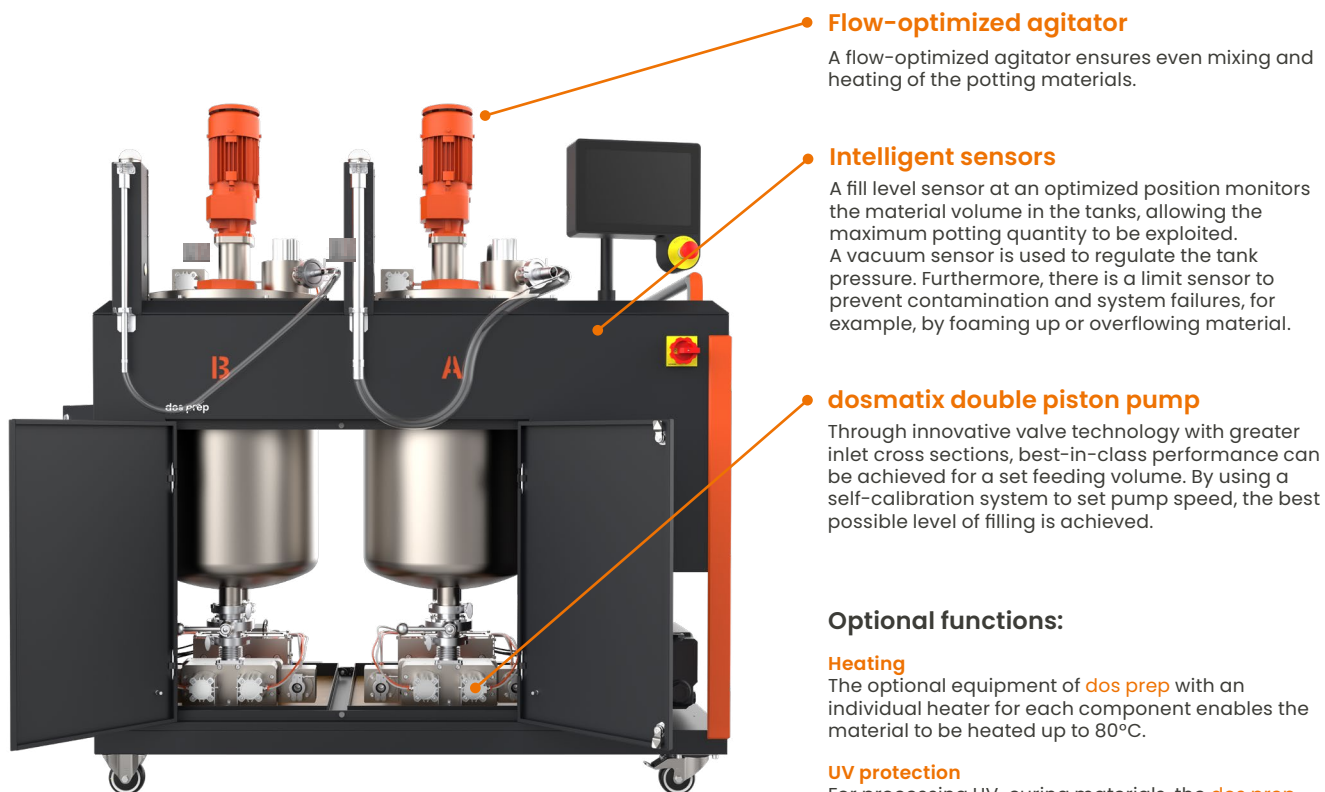
## material preparation in perfection

- Flow-optimized agitator for optimal homogenisation of the potting material
- Material degassing under vacuum
- Temperature control as an additional option

## process reliability through self-regulation

- Sensor-supported monitoring of all process-critical production steps
- Reduction of downtimes and prevention of system failures

# the innovations of dos prep



## Flow-optimized agitator

A flow-optimized agitator ensures even mixing and heating of the potting materials.

## Intelligent sensors

A fill level sensor at an optimized position monitors the material volume in the tanks, allowing the maximum potting quantity to be exploited. A vacuum sensor is used to regulate the tank pressure. Furthermore, there is a limit sensor to prevent contamination and system failures, for example, by foaming up or overflowing material.

## dosmatix double piston pump

Through innovative valve technology with greater inlet cross sections, best-in-class performance can be achieved for a set feeding volume. By using a self-calibration system to set pump speed, the best possible level of filling is achieved.

## Optional functions:

### Heating

The optional equipment of dos prep with an individual heater for each component enables the material to be heated up to 80°C.

### UV protection

For processing UV-curing materials, the dos prep can be equipped with UV protection.

## technical data

Volume per tank	60 l
Feed volume	250 ml/stroke
Feed performance - at least	250 ml/min* per component
Feed performance - at least	1500 ml/min** per component
Vacuum level	5 mbar
Maximum temperature	80 °C (With additional option heating)
Electrical supply	400V AC (3L-N-PE) / 16 A
Pneumatic supply	Constant 6 Bar, class 5 DIN ISO 8573-1
Dimensions (lxwxh)	1C: 900 x 850 x 1500 mm    2C: 1600 x 850 x 1500 mm
Weight	1C: ca. 400 kg                      2C: ca. 600 kg
Control system	Beckhoff Automation

\* for mediums with a viscosity of approx. 70,000 mPa·s

\*\* for media of low viscosity with ca. 1,000 mPa·s

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