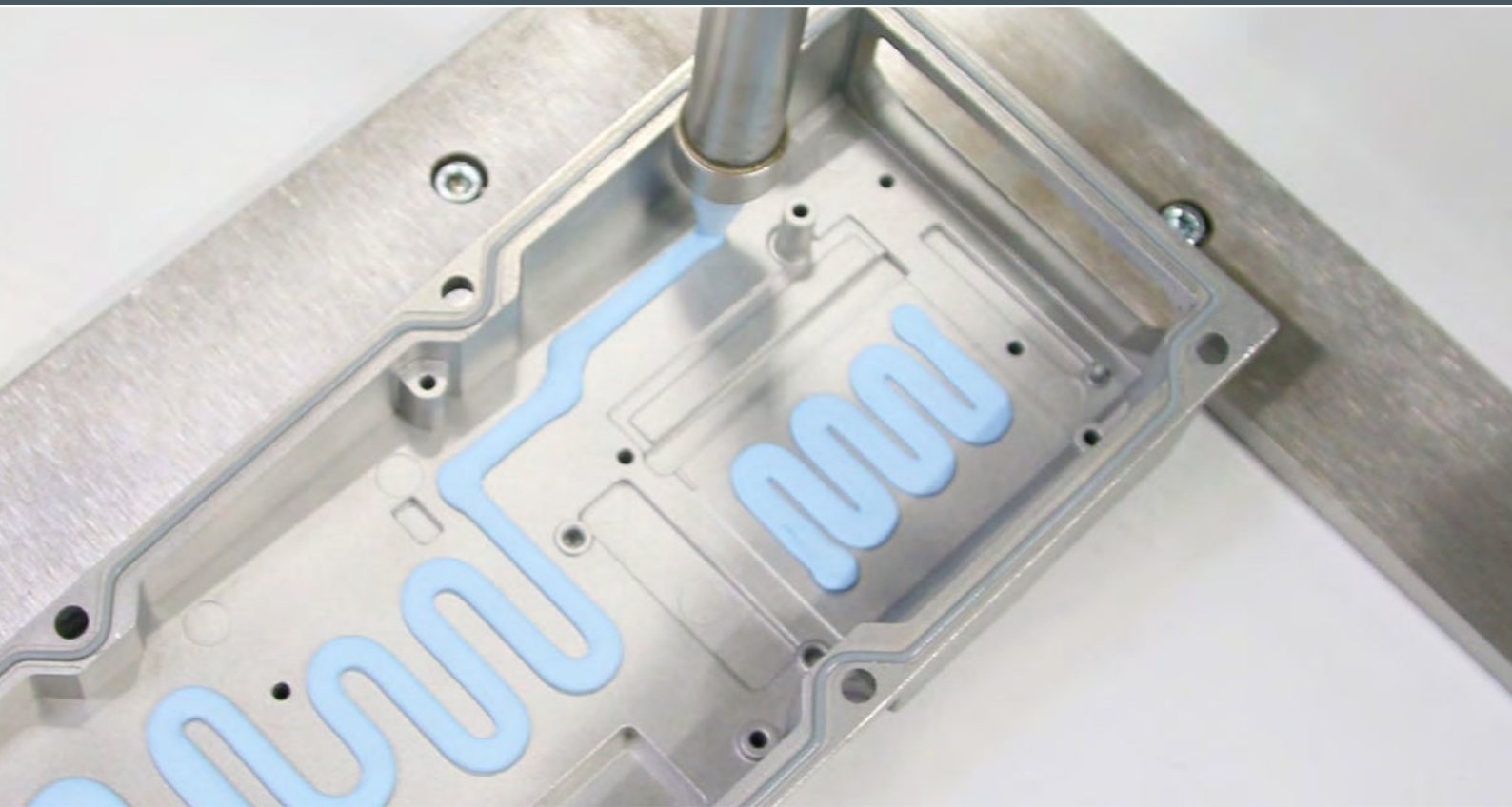


B3000

Semi-automatic machine for manual loading
for various dispensing applications



Automate your dispensing processes!
High quality, complete process control.
Full flexibility in production.

B3000 Dispensing

The solution for your semi-automatic/lean production. The B3000 offers fully automatic and monitored processes with manual loading and unloading. Particularly suitable for medium quantities and frequent product changes. Maintain full flexibility in production.



Application examples

Sealing/gasketing | Potting | Bonding | TIM/Gap filler | Other

Features

Semi-automatic cell with 3D axis system

Loading and unloading by operator or cobot (collaborative robot)

Dispensing of single and multi-component materials

Beckhoff control, menu-driven visualization with operator guidance and operating levels

Operating data logs

Recipe management

Advantages

Freely adjustable mixing ratio

Precise and fast axis system

Compact and robust

High flexibility

Maximum working range and accessories with minimum space consumption

Material and production data collection, traceability

Potting



Sealing/gasketing



Technical data

Dimensions (WxHxD)	1,080 mm	2,200 mm	1,146 mm
Tavel range (of axis)	400 mm (X-axis)	800 mm (Y-axis)	200 mm (Z-axis)
Electrical supply	400 V/50 Hz	16 A	
Air supply	max. 6 bar		
Weight	approx. 400 kg		

Dispensing heads

1K dispensing setup

1K dispensing setup mini-dis (micro dispensing)

2K static dispensing setup for self-leveling materials

2K static dispensing setup for pasty materials

2K static dispensing setup mini-dis (micro dispensing)

2K dynamic dispensing setup

Dispensing setup combined with plasma head VP4

Material preparation

Material preparation mini-MPS

Material preparation MPS with pumping station 200 l, 1000 l

Cartridges

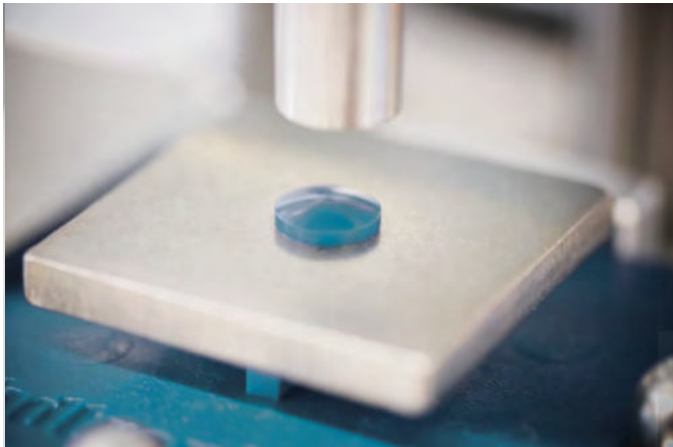
Material preparation CPS for cartridges

Material preparation PPS for hobbock pails

Material preparation DPS for 200 l drums

Our B3000 can also be used in combination with our other technologies Hot Riveting and Plasma. For this you will find the following information:

Hot Riveting



Plasma



Technical data

Dimensions (WxHxD)	1,080 mm	2,200 mm	1,146 mm
Travel range (of axis)	600 mm (X-Achse)	400 mm (Y-axis)	200 mm (Z-axis)
Electrical supply	400 V/50 Hz	16 A	
Air supply	max. 6 bar		
Weight	approx. 400 kg		

Technical data

Dimensions (WxHxD)	1,080 mm	2,200 mm	1,146 mm
Travel range (of axis)	400 mm (X-Achse)	800 mm (Y-axis)	200 mm (Z-axis)
Electrical supply	400 V/50 Hz	16 A	
Air supply	max. 6 bar		
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bdtronic 

bdtronic GmbH
Lindenstraße 3
97990 Weikersheim
www.bdtronic.com

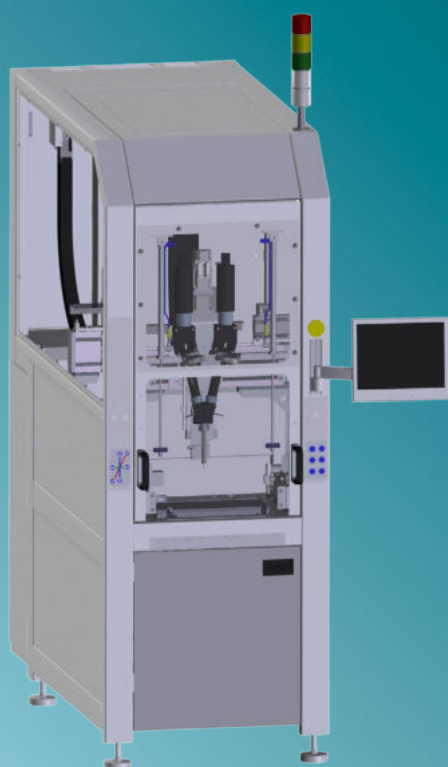
☎ +49 7934 104 - 0
✉ info@bdtronic.de



DISPENSING ▢ IMPREGNATION ▢ PLASMA ▢ HOT RIVETING

PRODUCT INFORMATION

DISPENSING CELL B5080 LEAN PRODUCTION



- > Very lean design
- > Fully automatic dispensing cell with 3D axis
- > Dispensing of single-component and multi-component materials
- > Variably adjustable mixing ratio
- > Continuous metering and mixing
- > Processing low viscosity to paste-like reactive resins
- > Integrated recipe manager
- > Windows based control
- > Maintenance friendly

Flexible and space-saving metering and mixing machine for the leanest dispensing applications in your lean production

With the extremely compact and lean machine B5080 all types of dispensing applications are always solved accurately and reliably. The lean machine structure meets the requirements for lean production concepts. The B5080 is characterized by a user-friendly control concept, a simple and quick commissioning, as well as significant flexibility for integration into production lines. Due to the high degree of automation our market-driven solution increases the productivity while maintaining quality.

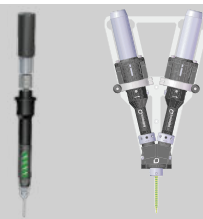
DISPENSING CELL B5080

MIXING SYSTEMS

- > **mini-dis** applications
- 1- or 2- component



- > 1- component systems
- > 2- component static mixing systems



MODULAR EXTENSIONS

- > Material preparation PPS/ MPS
- > Cartridge system
- > Material pressure tank
- > Material temperature control system
- > Material recirculation
- > Material evacuation
- > Material refill station, manual or automatic
- > Filling level monitoring, digital or analog
- > Fluid recirculation
- > Process scale for shot weight control
- > Dosing needle check and repositioning
- > Dosing needle cleaning system
- > Bar code scanner for recipe selection
- > Component identification
- > Data base connection MDE/ BDE
- > Process, product and machine data monitoring
- > Integration into production lines and automation processes
- > ESD equipment
- > Second dispensing head

TECHNICAL DATA

Dimensions machine (W x H x D)	800 x 2.200 x 1.600 mm (without tank)
Axis	3 axes (3D interpolated circular motion)
Traversing range X-Y-Z	410 x 690 x 200 mm
Axis speed	0,5 m/s
Control	Beckhoff SPS Windows 10
Operation device	Touch panel, colored
Electrical power supply	400 V / 50 Hz, fuse 32 A
Air pressure supply	max. 6 bar
Weight	approx. 800 kg (without tank)
Color	RAL 7035

VARIATION POSSIBILITIES

Moving carrier plate



Rotary table



Conveyor



(Errors and changes reserved, as of December 2019)

- > Service hotline (German/English/French)
- > Response service MO - FR
- > Spare parts service
- > Service and maintenance
- > Process and component optimization in internal development areas
- > Trials and development in well equipped technical center
- > Trainings for machine user, machine setter and maintenance personnel
- > Workshops for machine user, machine setter and maintenance personnel

bdtronic GmbH
Ahornweg 4
97990 Weikersheim
Germany

T +49 7934 104 - 0
F +49 7934 104 - 371
sales@bdtronic.com
www.bdtronic.com

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