

PRODUCT INFORMATION

# DISPENSING MACHINE B5090 1C/ 2C LEAN PRODUCTION



- > 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 lean dispensing applications in your lean production**

With this compact and lean machine all types of dispensing applications are always solved accurately and reliably. Due to the lean machine structure the B5090 is ideal for your lean production. The machine 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.

**bdtronic** 

DISPENSING  
IMPREGNATION  
PLASMA  
HOT RIVETING  
AUTOMATION

# DISPENSING MACHINE B5090 1C/ 2C LEAN PRODUCTION

## MIXING SYSTEMS

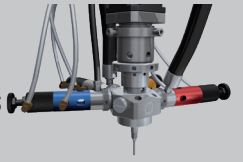
- > Single-component systems



- > 2-component static mixing systems



- > 2-component dynamic mixing systems



## MODULAR EXTENSIONS

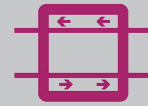
- > Material preparation PPS/ MPS
- > Cartridge system
- > Material pressure tank
- > Material temperature control system
- > Material recirculation
- > Material evacuation
- > Material refill station manual or automatic
- > Filling level monitoring digital or analog
- > Fluid recirculation
- > Process 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
- > Second dispensing head
- > Integration into production lines

## TECHNICAL DATA

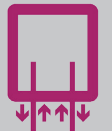
Dimensions machine (W x H x D)	990 x 2.200 x 1.600 mm (without tank)
Axis	3 axes (3D interpolated circular motion)
Traversing range X-Y-Z	445 x 870 x 200 mm
Axis speed	0,5 m/s
Control	Beckhoff SPS Windows 7 embedded
Operation device	Touch panel, colored
Electrical power supply	400 V / 50 Hz, fuse 32 A
Air pressure supply	max. 4 - 6 bar
Weight	approx. 800 kg (without tank)
Color	RAL 7035

## VARIATION POSSIBILITIES

Conveyor



Moving carrier plate



Rotary table



(Errors and changes reserved, as of May 2014)

- > Service hotline (German/English/French)
- > 24h response service
- > Spare parts service
- > Service and maintenance
- > Process and component optimization in in-house development centers
- > Trials and development in well equipped technical centers
- > Training for machine user, machine setter and maintenance personnel
- > Seminars for machines user, machine setter and maintenance personnel

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