

PRODUCT INFORMATION

# DISPENSING CELL B5090



- > 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.

# DISPENSING CELL B5090

## MIXING SYSTEMS

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



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



- > 2-component dynamic mixing systems



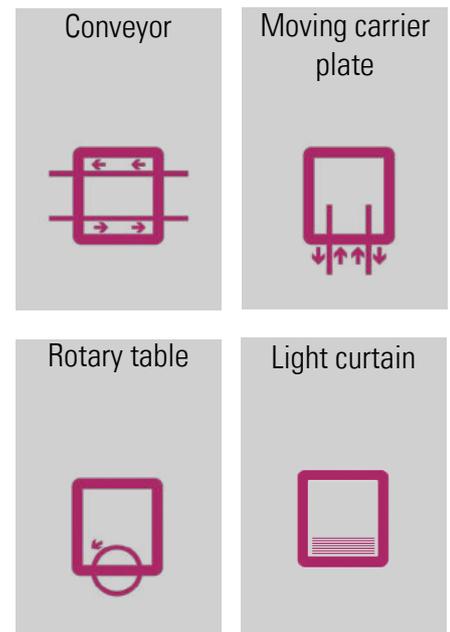
## MODULAR EXTENSIONS

- > 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 and automation processes
- > ESD equipment

## 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 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



(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

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HOT RIVETING

PRODUCT INFORMATION

# DISPENSING CELL B5200



- > 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

## **Fully automatic metering and mixing machine for dispensing applications in high volume production**

The fully automatic dispensing machine solves all types of dispensing applications accurately and reliably. The 3D axis is especially characterized by a continuous process monitoring, product data traceability during production and can be easily integrated into existing or new production lines. Due to the high degree of automation our market-driven solution increases the productivity while maintaining quality.

# DISPENSING CELL B5200

## MIXING SYSTEMS

> Single-component systems



> 2-component static mixing systems



> 2-component dynamic mixing systems



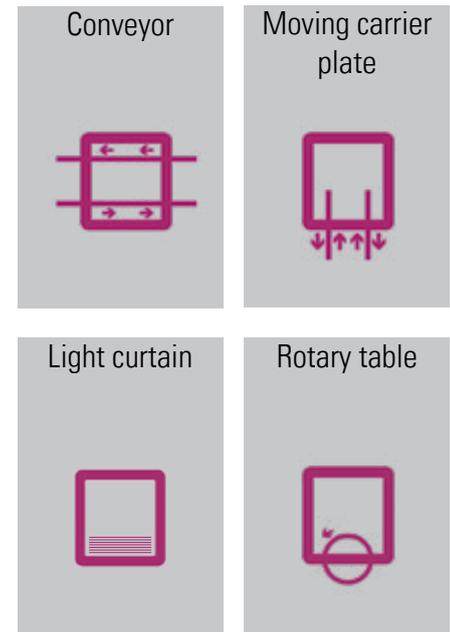
## MODULARE ERWEITERUNGSMÖGLICHKEITEN

- > 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 and automation processes

## TECHNICAL DATA

Dimensions machine (W x H x D)	1.190 x 2.200 x 1.600 mm (without tank)
Axis	3 axes (3D interpolated circular motion)
Traversing range X-Y-Z	645 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



(Errors and changes reserved, as of July 2017)

- > 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
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PRODUCT INFORMATION

# DISPENSING CELL B5600



- > Fully automatic dispensing cell with 3D axis
- > Enlarged working area
- > 1 or 2 dispensing heads
- > Dispensing of single-component and multi-component materials
- > Variably adjustable mixing ratio
- > Continuous metering and mixing
- > Processing low viscosity to paste-like reactive resins
- > Windows based control
- > Recipe manager

## **Fully automatic dispensing machine for processing different kind of components with an enlarged working area**

The metering and mixing machine B5600 has an enlarged working area and is suited for semi- or fully-automatic operation. The machine can be equipped with either 1 or 2 dispensing heads. The equipment has an operator-friendly control concept. Different automation processes can be easily integrated into the system.

# DISPENSING CELL B5600

## MIXING SYSTEMS

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



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



- > 2-component dynamic mixing systems



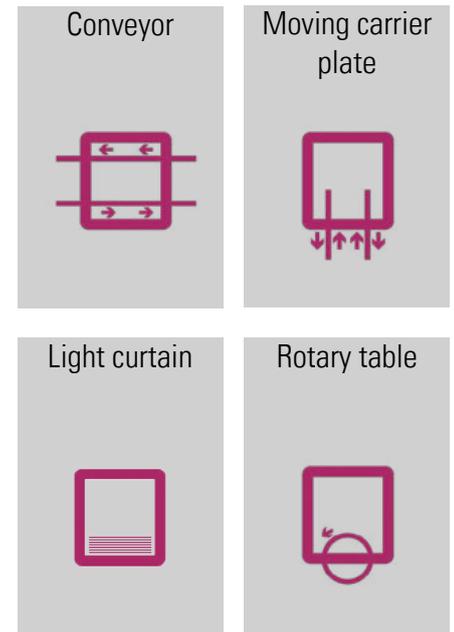
## MODULARE ERWEITERUNGSMÖGLICHKEITEN

- > 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 and automation processes
- > ESD equipment

## TECHNICAL DATA

Dimensions machine (W x H x D)	1.490 x 2.200 x 1.600 mm (without tank)
Axis	3 axes (3D interpolated circular motion)
Traversing range X-Y-Z	945 x 870 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. 1.000 kg (without tank)
Color	RAL 7035

## VARIATION POSSIBILITIES



(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
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PRODUCT INFORMATION

# DISPENSING CELL B5800



- > Fully automatic dispensing cell with 3D axis
- > Enlarged working area
- > Design as 1- or 2-head dispensing system
- > Dispensing of single-component and multi-component materials
- > Significant flexibility in the integration of automation processes
- > Processing low viscosity to paste-like reactive resins
- > Complete process monitoring
- > Product data tracking during production

## **Fully automatic dispensing machine for processing different kind of components with an enlarged working area**

The metering and mixing machine B5800 has an enlarged working area and is suited for semi- or fully-automatic operation. The machine can be equipped with either 1 or 2 dispensing heads. The equipment has an operator-friendly control concept. Different automation processes can be easily integrated into the system.

# DISPENSING CELL B5800

## MIXING SYSTEMS

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



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



- > 2-component dynamic mixing systems



## MODULARE ERWEITERUNGSMÖGLICHKEITEN

- > 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 and automation processes
- > ESD equipment

## TECHNICAL DATA

Dimensions machine (W x H x D)	1.800 x 2.200 x 1.600 mm (without tank)
Axis	3 axes (3D interpolated circular motion)
Traversing range X-Y-Z	1.250 x 700 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. 1.000 kg (without tank)
Color	RAL 7035

## VARIATION POSSIBILITIES

Conveyor	Moving carrier plate
Light curtain	Rotary table

(Errors and changes reserved, as of December 2021)

- > Service hotline (German/English/French)
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