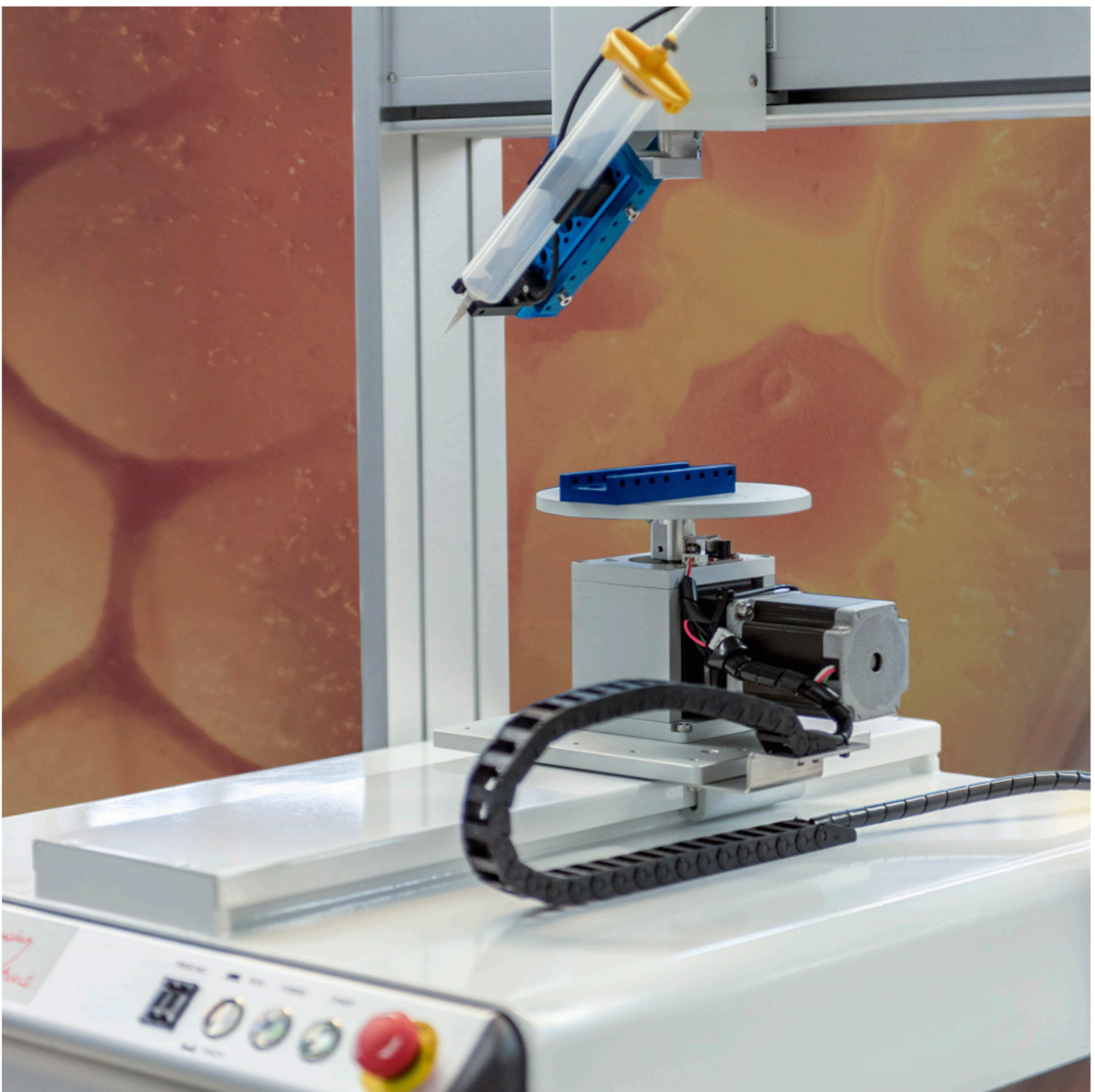


Robots

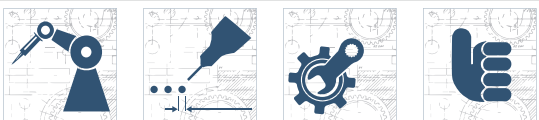


Robots

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TR83200-06 XYZ Benchtop robot

*dispensing
solutions*



Description

The table-top robot model TR83200-06 has a travel range of 200 x 200 x 50 mm and is equipped with a dosing system suitable for your requirements and the medium to be processed. Corresponding holders are available for the adaptation of the dosing components.

The internal memory has a capacity of 100 dosing programs with up to 4000 program points per storage space. The simple programming does not require any special previous knowledge and is realized via the supplied Teachpad or the optionally available software.

If you have questions about the table-top robots' equipment, such as the external control box, needle alignment and other application-specific accessories, we would be happy to advise you.

Technical specifications

Working range:	200 / 200 / 50
Loading Y-axis/Z-axis:	6 kg / 3 kg
Speed X/Y/Z (mm/sec):	600 / 320
Repeat accuracy:	+/- 0.02 mm / axis
Resolution:	0.001 mm / axis
Storage capacity:	100 programs, 4000 points/program
Display:	Teachpad LCD
Drive system/stepper motor:	Micro stepping motor
Control:	PTP & CP
Interpolation, linear/circular:	3 axes (3D)
	Teaching method Teachpad
Input/output signals (I/O):	8/8
External interface:	RS323
Power supply:	AC180-250 V, 200 W
Operating temperature:	10-40°
Relative humidity:	20-90% without condensation
Dimensions (WxDxH):	387 x 400 x 490 mm
Weight:	23 kg

* PTP (point to point) and CP (continuous motion)

Subject to technical changes.

Scope of delivery TR83200-06

Article number	number	Description
_DL100048	1	Routine test IEC EN 61010
BG3000845	1	Teachpad for TR robots
BG100043	1	Power cable 3 x 1 mm with plug type 12
EB3251011	1	Shorted connector TR Robot
BG3000846	1	Cable dosing unit for TR robot

Optional accessories available:

U-rail universal for all XYZ systems

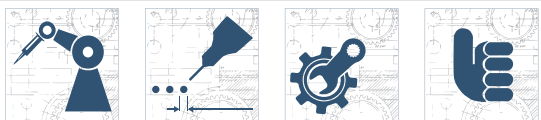
Article number	Description
ME3200013	Mounting rail universal (complete)
ME3200005	Mounting beam
BG3000847	External control box for TR robots

Kartuschenhalter

Article number	Description
BG3000137	Cartridge holder 3 cc
BG3000114	Cartridge holder 5 cc
BG3000110	Cartridge holder 10cc
BG3000109	Cartridge holder 30/55 cc

Article number	Description
BG3200002	Cable socket foot switch round 3 poles
BG3200024	Cable socket I/O robot round 7 poles
BG8200002	Mechanical Z-adjustment
BG8200004	TipFinder - Needle calibration for TR83X00-06
BG8000000	TR Robot Editor for TR83X00-06
EB9005066	D-Sub cable assembled (25-pin, 3 m)

TR83300-06 XYZ Benchtop robot



Description

The table-top robot model TR83300-06 has a travel range of 300 x 300 x 100 mm and is equipped with a dosing system suitable for your requirements and the medium to be processed. Corresponding holders are available for the adaptation of the dosing components.

The internal memory has a capacity of 100 dosing programs with up to 4000 program points per storage space. The simple programming does not require any special previous knowledge and is realized via the supplied Teachpad or the optionally available software.

If you have questions about the table-top robots' equipment, such as the external control box, needle alignment and other application-specific accessories, we would be happy to advise you.

Technical specifications

Working range:	300 / 300 / 100
Loading Y-axis/Z-axis:	6 kg / 3 kg
Speed X/Y/Z (mm/sec):	600 / 320
Repeat accuracy:	+/- 0.02 mm / axis
Resolution:	0.001 mm / axis
Storage capacity:	100 programs, 4000 points/program
Display:	Teachpad LCD
Drive system/stepper motor:	Micro stepping motor
Control:	PTP & CP
Interpolation, linear/circular:	3 axes (3D)
	Teaching method Teachpad
Input/output signals (I/O):	8/8
External interface:	RS323
Power supply:	AC180-250 V, 200 W
Operating temperature:	10-40°
Relative humidity:	20-90% without condensation
Dimensions (WxDxH):	485 x 500 x 600 mm
Weight:	32 kg

* PTP (point to point) and CP (continuous motion)

Subject to technical changes.

Scope of delivery TR83300-06

Article number	number	Description
_DL100048	1	Routine test IEC EN 61010
BG3000845	1	Teachpad for TR robots
BG100043	1	Power cable 3 x 1 mm with plug type 12
EB3251011	1	Shorted connector TR Robot
BG3000846	1	Cable dosing unit for TR robot

Optional accessories available:

U-rail universal for all XYZ systems

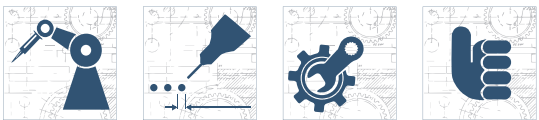
Article number	Description
ME3200013	Mounting rail universal (complete)
ME3200005	Mounting beam
BG3000847	External control box for TR robots

Kartuschenhalter

Article number	Description
BG3000137	Cartridge holder 3 cc
BG3000114	Cartridge holder 5 cc
BG3000110	Cartridge holder 10cc
BG3000109	Cartridge holder 30/55 cc

Article number	Description
BG3200002	Cable socket foot switch round 3 poles
BG3200024	Cable socket I/O robot round 7 poles
BG8200002	Mechanical Z-adjustment
BG8200004	TipFinder - Needle calibration for TR83X00-06
BG8000000	TR Robot Editor for TR83X00-06
EB9005066	D-Sub cable assembled (25-pin, 3 m)

TR83400-06 XYZ Benchtop robot



Description

The table-top robot model TR83400-06 has a travel range of 400 x 400 x 100 mm and is equipped with a dosing system suitable for your requirements and the medium to be processed. Corresponding holders are available for the adaptation of the dosing components.

The internal memory has a capacity of 100 dosing programs with up to 4000 program points per storage space. The simple programming does not require any special previous knowledge and is realized via the supplied Teachpad or the optionally available software.

If you have questions about the table-top robots' equipment, such as the external control box, needle alignment and other application-specific accessories, we would be happy to advise you.

Technical specifications

Working range:	400 / 400 / 1 00
Loading Y-axis/Z-axis:	15 kg / 5 kg
Speed X/Y/Z (mm/sec):	0.1-600 / 300
Repeat accuracy:	+/- 0.01 mm/axis
Resolution:	0.001 mm/axis
Storage capacity:	100 programs, 4000 points/program
Display:	Teachpad LCD
Drive system/stepper motor:	Micro stepping motor
Control:	PTP & CP
Interpolation, linear/circular:	3 axes (3D)
Teaching method	Teachpad
Input/output signals (I/O):	8/8
External interface:	RS323
Power supply:	AC110-220 V, 300 W
Operating temperature:	10-40°
Relative humidity:	20-90% without condensation
Dimensions (WxDxH):	585 x 600 x 600 mm
Weight:	40 kg

* PTP (point to point) and CP (continuous motion)

Subject to technical changes.

Scope of delivery TR83400-06

Article number	number	Description
_DL100048	1	Routine test IEC EN 61010
BG3000845	1	Teachpad for TR robots
BG100043	1	Power cable 3 x 1 mm with plug type 12
EB3251011	1	Shorted connector TR Robot
BG3000846	1	Cable dosing unit for TR robot

Optional accessories available:

U-rail universal for all XYZ systems

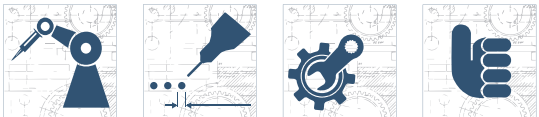
Article number	Description
ME3200013	Mounting rail universal (complete)
ME3200005	Mounting beam
BG3000847	External control box for TR robots

Kartuschenhalter

Article number	Description
BG3000137	Cartridge holder 3 cc
BG3000114	Cartridge holder 5 cc
BG3000110	Cartridge holder 10cc
BG3000109	Cartridge holder 30/55 cc

Article number	Description
BG3200002	Cable socket foot switch round 3 poles
BG3200024	Cable socket I/O robot round 7 poles
BG8200002	Mechanical Z-adjustment
BG8200004	TipFinder - Needle calibration for TR83X00-06
BG8000000	TR Robot Editor for TR83X00-06
EB9005066	D-Sub cable assembled (25-pin, 3 m)

TR83500-06 XYZ Benchtop robot



Description

The table-top robot model TR83500-06 has a travel range of 500 x 500 x 100 mm and is equipped with a dosing system suitable for your requirements and the medium to be processed. Corresponding holders are available for the adaptation of the dosing components.

The internal memory has a capacity of 100 dosing programs with up to 4000 program points per storage space. The simple programming does not require any special previous knowledge and is realized via the supplied Teachpad or the optionally available software.

If you have questions about the table-top robots' equipment, such as the external control box, needle alignment and other application-specific accessories, we would be happy to advise you.

Technical specifications

Working range:	500 / 500 / 100
Load Y-axis/Z-axis:	10 kg / 5 kg
Speed X/Y/Z (mm/sec):	0.1- 600 / 300
Repeat accuracy:	+/- 0.01 mm / axis
Resolution:	0.001 mm / axis
Storage capacity:	100 programs, 4000 points/program
Display:	Teachpad LCD
Drive system/stepper motor:	Micro stepping motor
Control:	PTP & CP
Interpolation, linear/circular:	3 axes (3D)
	Teaching method Teachpad
Input/output signals (I/O):	8/8
External interface:	RS323
Power supply:	AC110-220 V, 300 W
Operating temperature:	10-40° C
Relative humidity:	20-90% without condensation
Dimensions (WxDxH):	685 x 700 x 600 mm
Weight:	45 kg

* PTP (point to point) and CP (continuous motion)

Subject to technical changes.

Scope of delivery TR83500-06

Article number	number	Description
_DL100048	1	Routine test IEC EN 61010
BG3000845	1	Teachpad for TR robots
BG100043	1	Power cable 3 x 1 mm with plug type 12
EB3251011	1	Shorted connector TR Robot
BG3000846	1	Cable dosing unit for TR robot

Optional accessories available:

U-rail universal for all XYZ systems

Article number	Description
ME3200013	Mounting rail universal (complete)
ME3200005	Mounting beam
BG3000847	External control box for TR robots

Kartuschenhalter

Article number	Description
BG3000137	Cartridge holder 3 cc
BG3000114	Cartridge holder 5 cc
BG3000110	Cartridge holder 10cc
BG3000109	Cartridge holder 30/55 cc

Article number	Description
BG3200002	Cable socket foot switch round 3 poles
BG3200024	Cable socket I/O robot round 7 poles
BG8200002	Mechanical Z-adjustment
BG8200004	TipFinder - Needle calibration for TR83X00-06
BG8000000	TR Robot Editor for TR83X00-06
EB9005066	D-Sub cable assembled (25-pin, 3 m)

Special editions



Benchtop robots optionally come with extended side rails for handling taller workpieces.

Do not hesitate to contact us if you have questions concerning the benchtop robot equipment:

- External control box
- Needle alignment
- Other application-specific accessories

Notes

Area for notes, consisting of multiple horizontal grey bars.