

T-RAX mini

Z-PHI AXIS – mini

Linear Rotary Axis

- Precision Z = 0.01 mm
- Precision Phi (φ) = 0.045°
- Endless rotation
- 30 million strokes min
- Max force 7.35 N at 15 mm stroke
- Positioning time Z: 50 ms at 15 mm stroke
- Positioning time Phi (φ): 48 ms (90°)



Characteristics

- External axis controllers for Z and Phi
- Vacuum controlling via external controller (optionally available)
- Detection, if Z axis is up: additional integrated sensor independent from controller

Key Features

- Pick, Rotate, Place, Press with adjustable force, Softtouch
- Processing of electric components with different sizes
- Handling various material types
- Customized configuration of parameters for velocity, position, force, torque, and holding torque



Z-PHI – LINEAR ROTARY AXIS

Flexible adjustment to individual customer requirements

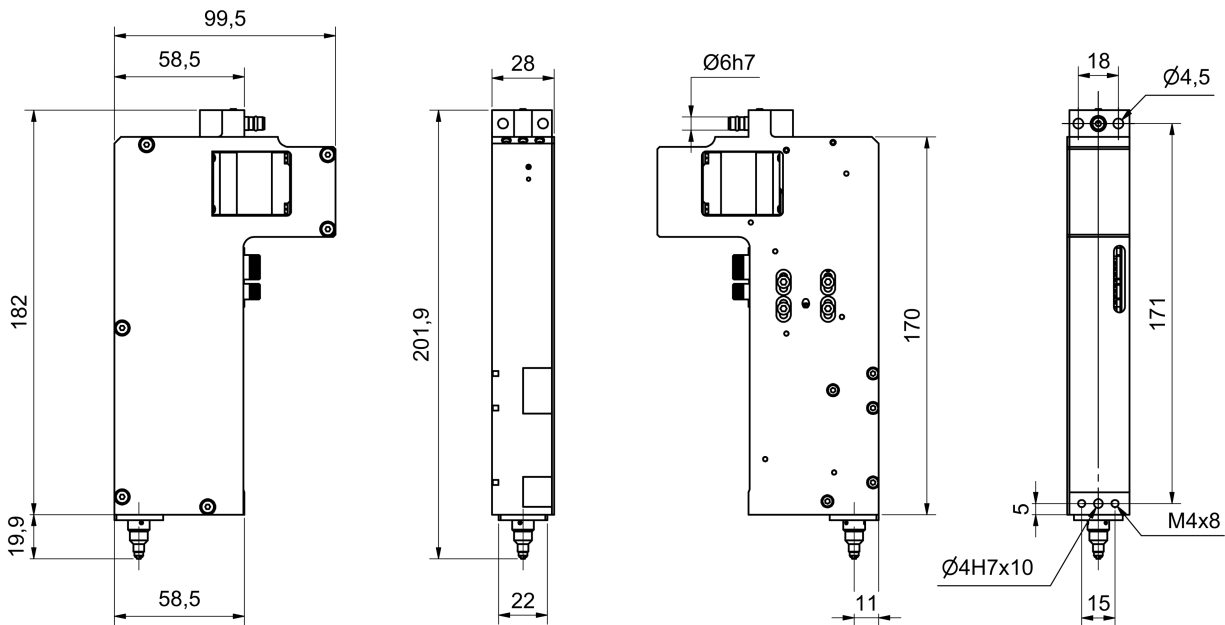
- Integration of additional customized processes
- Adjustment of process sequences
- Easy configuration via appropriate software interface

Customized configuration of processes

- Homing
- Teaching
- Pick-up component
- Place component
- Measure component (press into testing socket)
- Position Z-Phi Axis incl. rotate component (position correction after external image recognition)

Technical Data

Dimensions W/H/D [ca. mm]	201 x 28 x 100
Weight	0.60 kg
DC	24 V / < 1 A
Compressed air	6 bar Ø 6 mm (filtered 5 µm)
Max. vacuum	70 %
(Linear) Stroke	15 mm
Force at max. stroke (linear)	7.35 N
Holding torque (Phi axis)	0.018 Nm



Also available – T RAX 2

- Z-Phi axis with full extent
- Integrated axis controllers for Z and Phi

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