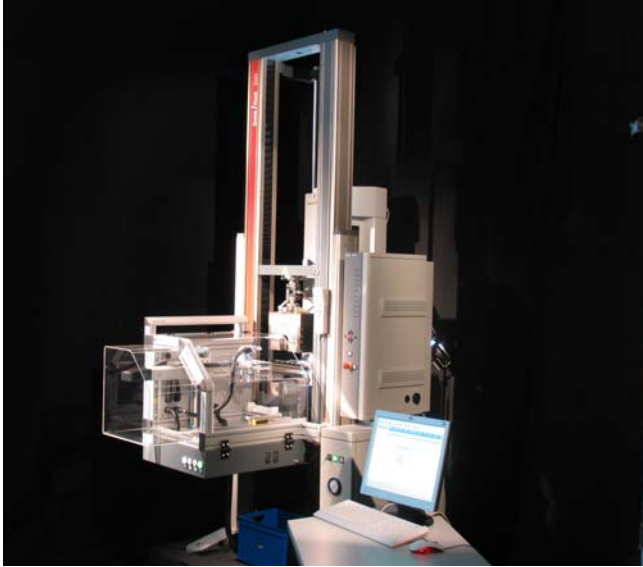
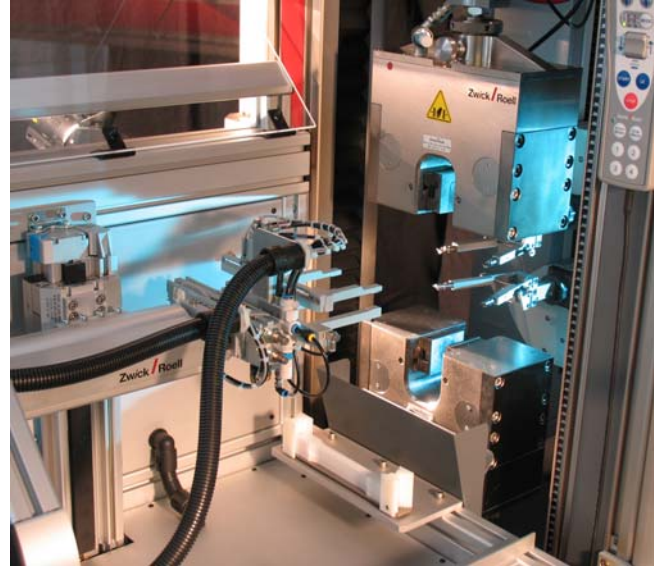


## Product Information

### Robotic Testing System 'roboTest B' (Compact)



Robotic testing system 'roboTest B' with testing machine 20 kN



Pincer gripper removes a specimen from the magazine

## Applications

The robotic testing system is used for the fully automatic performance of:

- Tensile tests on plastics specimens (e.g. according to ISO 527-2, ISO 3167, ASTM D638)
- Flexure tests on plastics specimens (e.g. according to ISO 178)
- Tensile or flexure tests on dimensionally stable specimens of other materials

## System Configuration

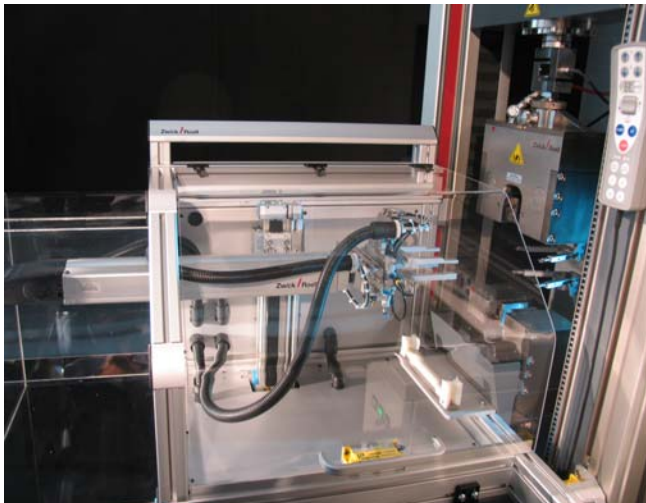
- Materials testing machine 5 kN up to 100 kN with symmetrically closing, pneumatic or hydraulic specimen grips and an optional extensometer
- Robotic feeding system 'roboTest B' with integrated magazine for max. stacking height 80 mm (for typically 20 specimens)
- Industry Controller with test software *testXpert*® and automation software *autoEdition2*

## Advantages of the Robotic Testing System 'roboTest B'

- A high reproducibility of the test results is obtained because operator influences are excluded (hand temperature, moist hands, eccentric or inclined insertion of specimens etc.).
- Qualified laboratory staff is relieved of routine jobs and is thus available for more complex activities.
- The machine can be used during idle times (break, night shift) thus increasing the rate of utilization and allowing „quicker“ results.
- The system reduces the testing costs per specimen and usually pays off within one to two years.
- Manual tests are still possible by simply pushing the robotic feeding system aside.
- The automatic data logging system ensures secure documentation and enables statistical long-term monitoring (Statistical Process Control).

## Product Information

### Robotic Testing System 'roboTest B' (Compact)



Robotic testing system 'roboTest B'

#### Test Sequence

- The user fills the specimen magazine directly on the test system.
- The specimen data (ident number, width, thickness,...) are entered on the PC. In barcode operation this step can be omitted.
- After the startup of the system on the PC, specimen feed, tensile/bending test and removal of the specimen fragments are carried out automatically.

#### Technical Data

##### Mechanics

Mounting	swivellable at the load frame
Capacity	20 specimens (thickness 4 mm)
Dimensions (H x W x D)	680 x 680 <sup>1)</sup> / 840 <sup>2)</sup> x 930 mm
Weight	approx. 85 kg (without specimen)

<sup>1)</sup> Load frame in profile design

<sup>2)</sup> Load frame in column design

##### Connected values

Electrical connection	230/115 V
Output	200 VA
Mains frequency	50/60 Hz
Compressed air	6 bar
Required compressed air	2 lpm

##### Control

Automation	autoEdition2
Peripheral connection	PROFIBUS

##### Specimens

• Specimen type	dumbbells, stripes
• Material	dimensionally stable, non-adhesive
• Weight	max. 100 g
• Length	80 ... 220 mm
• Width	15 ... 30 mm
• Thickness	4 mm

##### Options

- Specimen identification by barcode
- Specimen remains sorting
- Data exchange with superior processor systems (e.g. LIMS) via upload/download of ASCII-files or ODBC
- Optical status indicator by threefold „traffic light“ (running, refill specimens/finished, error)