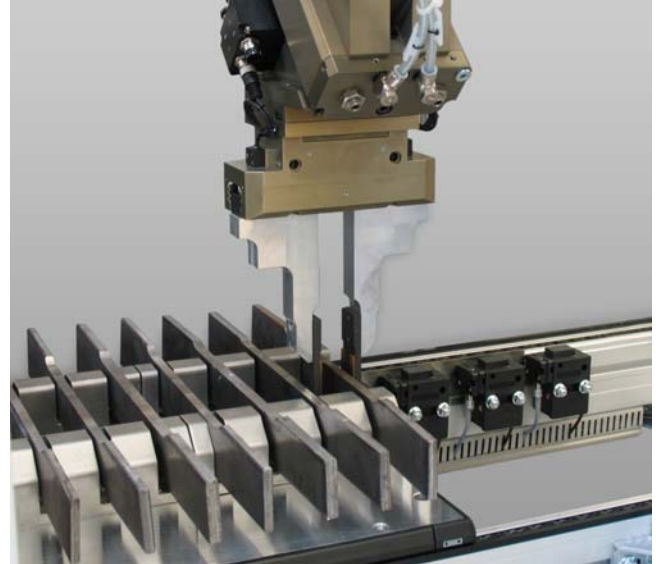


## Product Information

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



Robotic testing system 'roboTest C' with testing machine 600 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:

- Metal specimens (e.g. according to DIN EN10002-1, JIS Z2201, ASTM E8)
- Dimensionally stable specimens of other materials

### System Configuration

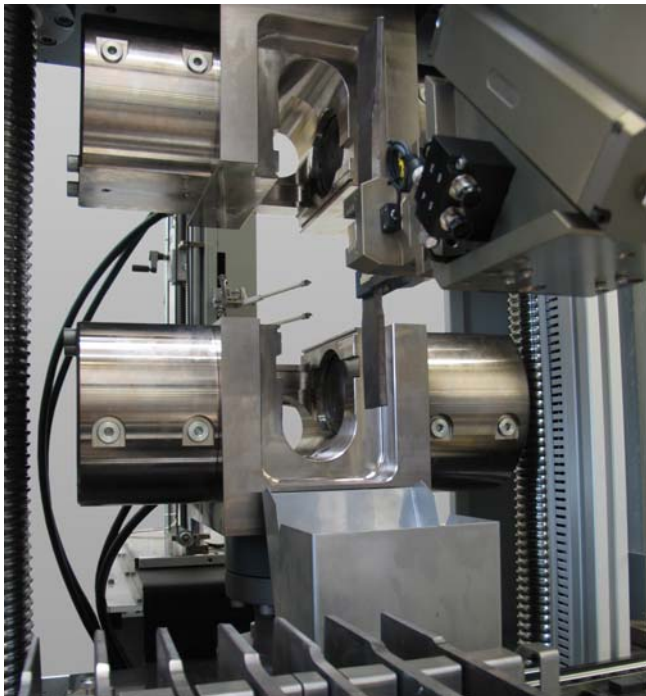
- Materials testing machine 300 kN up to 600 kN with symmetrically closing hydraulic specimen grips and an optional extensometer
- Robotic feeding system 'roboTest C' with magazine for 24 or 40 specimens
- Industry Controller with test software *testXpert*<sup>®</sup> and automation software *autoEdition2*

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

- 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 C' (Compact)



Feeding of the specimen to the testing machine

#### Test Sequence

- The user fills the specimen magazine directly on the test system. A refilling of specimens in magazine places that were not yet worked off is possible at any time.
- 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 test and removal of the specimen fragments are carried out automatically.

#### Technical Data

##### Mechanics

Mounting	coupled to the load frame
Capacity	24 specimens / 40 specimens
Dimensions (H x W x D)	2200 x 2600 x 800 mm
Weight	approx. 200 kg (without specimen)

##### Connected values

Electrical connection	3x 400V 3L/N/PE
Output	2 kVA
Mains frequency	50/60 Hz
Compressed air	6 bar
Required compressed air	10 lpm

##### Control

Automation	autoEdition2
Peripheral connection	PROFIBUS

##### Specimens

• Specimen type	dumbbells, stripes, tubes, round or profile specimens
• Material	dimensionally stable, non-adhesive
• Weight	max. 5 kg
• Length	max. 450 mm
• Width	max. 60 mm
• Thickness	max. 30 mm

##### Options

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

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