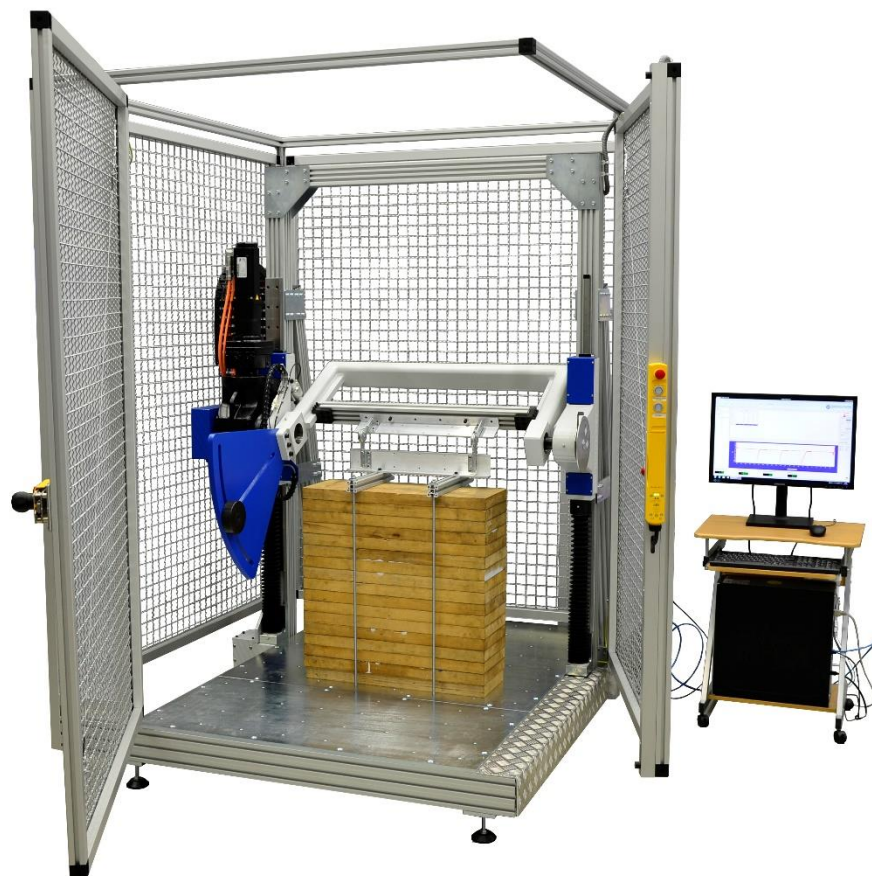




Data sheet

Testing rig for fittings



Application:

This pivoting unit can be mounted laterally to two vertical test field profiles with a clearance of 1800 mm. It consists of a framework, which is manually height-adjustable and enables the positioning of the unit. The actuator module is fixed to the framework and also manually adjustable in horizontal direction. The actuator module consists of an electromotive linear axis, which realizes a length of stroke of approx. 200 mm, and the pivoting unit, which is fixed to that. Both units are controlled and parameterized individually with the help of a central supply terminal.

The pivoting movement is transmitted to the specimen via a bracket, which is carried on both sides by turning levers. This allows for a pivotal point within the specimen and an adjustable radius of the load transmission (range: R100-R400). Manually adjustable parts are equipped with a synchronizing device, which prevents canting.

Consisting of:

- Frame is mounted ca. 200mm high (on vibration-absorbing feet which can be fixed to the floor)
- Frame dimensions ca. 1,6m x 1,8m, in the specimen area 1,2m x 1,8 m, with grid hole system 150mm x 150mm M10
- Motor-driven height-adjustable frame construction for the electromotive pivoting unit; installation in existing test rig

- pivot frame with manually adjustable bracket for the specimen connection
- counter weight with adjustable part for the taring of the moment of the torque; max. 7kg additional weight of the specimen connection can be compensated
- 1 servo drive for the pivoting unit
- 1 load cell for collecting the torque, integrated in the bracket drive
- 1 angular measuring system integrated in the bracket drive
- controller is mounted on the frame; controller is based on the control system EDC220 and allows the operation of the testing rig with Labcontrol or Labmaster
- protection device with monitored doors integrated in the test frame
- CE declaration is included in delivery

Parameters of the pivoting unit:

Control variables:	torque, angle
Drive:	electromotive
Range:	0...180°
Torque:	1000 Nm
Necessary accessories (not included):	PC (Win2000, WinXP, Win7), screen, printer, testing software