



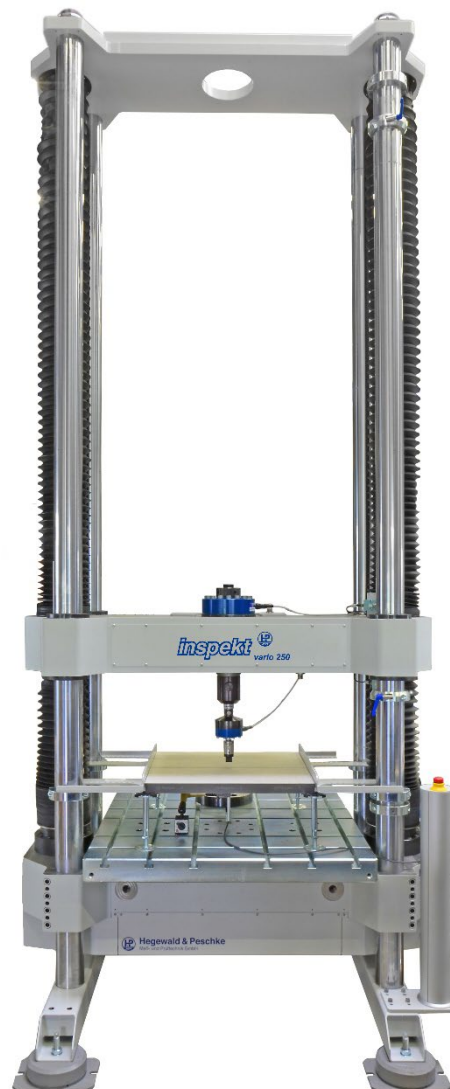
# Hegewald & Peschke

Meß- und Prüftechnik GmbH

Product information

## Component testing machines inspekt vario

100 kN up to 2500 kN



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## Features and advantages

The component testing machines in the inspekt vario series are specially designed for testing components of different sizes and shapes. They are built with 2 backlash-free ball screws and 4 surface-hardened guide columns. To guarantee a high degree of flexibility, the columns are intentionally not covered.

### Advantages of the open design:

- High flexibility in terms of testing machine dimensions: Test room depth and height can be adapted specifically to the component
- Larger usable test room space → is not restricted by coverings
- Columns can be used for mounting accessories

The inspekt vario series component testing machines are available in 8 load levels as standard: 100 kN, 250 kN, 400 kN, 600 kN, 1200 kN, 1500 kN, 2000 kN, 2500 kN.

The test room widths are variable and can be selected from 610 mm, 750 mm or 1000 mm.

Due to the modular design principle of the inspekt vario testing machine series, individual customer requirements can also be implemented in addition to series production.

## **Solid construction for highest measuring and control precision**

- 4 guiding columns and 2 backlash-free precision ball screws
  - Precise force transmission
  - High lateral force stability
  - Increased axial stiffness
- Robust design with bellow cover
  - Low maintenance needs
  - Also for use in harsh production environments

## **Our testing machines speak your language: LabMaster - the testing software from Hegewald und Peschke**

- User-friendly usage concept
- Complete software including all test modules (tensile, compression, bending, peel test) without additional costs
- Universally applicable: simple and complex test procedures: standard-compliant and customer-specific
- High flexibility for integration of external devices, data import and export as well as free configuration of test procedures

## **Innovative control electronics for maximum measurement resolution & extensive functionality**

- High modularity and control precision
- Adaptive controller
- High-quality signal converters for maximum resolution
- Standard functions:
  - Force, displacement, strain control
  - Overload protection
  - Automatic sensor identification incl. calibration data storage
  - Specimen break detection
  - Return function
  - Manual positioning via hand panel or our testing software LabMaster

## **Highest safety with maximum operating convenience**

- CE-compliant protective housing optionally available for every application
- Sustainable: capable for cost-efficient and application-oriented updates/upgrades



Application examples:

Testing the ring stiffness of pipes



- Test load: 600 kN
- Test room height: 5000 mm



- Test load: 100 kN
- Test room height: 2300 mm

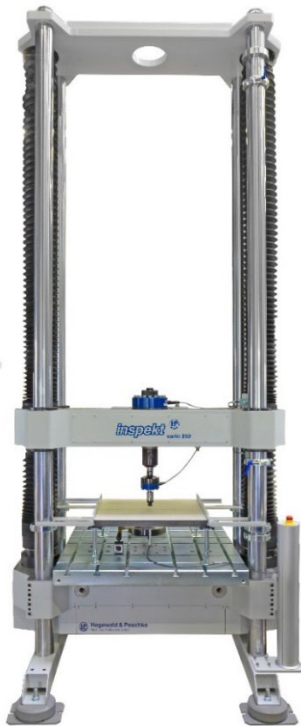
Calibration of reference load cell standards/transducers



- Test load: 2500 kN
- Test room height: 1900 mm



Testing of components for system floors

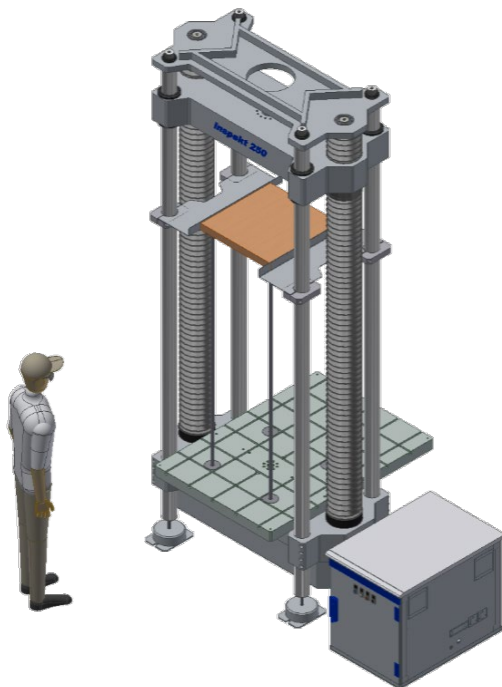


- Test load: 250 kN
- Test room height: 2500 mm

Component testing on large specimens



- Test load: 300 kN
- Test room height: 3500 mm
- Special feature: no lower fixed crosshead, anchoring of the testing machine in the floor



Torsion testing



- Test load: 150 kN
- Test room height: 2000 mm

