

For high table load and large measurement volumes

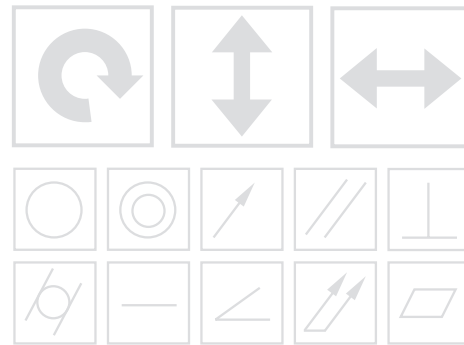
The **HOMMEL TESTER FMS 4310** allows both automatic measurements and automatic centring and levelling. The rotary table has a diameter of 310 mm, a load capacity up to 100 kg and automatic workpiece alignment is supplied as a standard.

The special scanning function reduces the alignment time considerably. This fast coarse alignment is achieved by "scanning" the workpiece.

The measurement distance of the vertical axis in the HOMMEL TESTER FMS 4310 is 350 mm (550 mm is available as an option), the measurement distance of the horizontal axis is 150 mm.

The software offers numerous options for workpiece-specific evaluation, e.g. for pistons.

The measuring instrument is fully CNC-capable for automatic measuring runs.



HOMMEL TESTER FMS 4310

HOMMEL TESTER FMS 4310 – FMS 5310

The HOMMEL TESTER FMS 4310 operates with three measurement axes with which it can measure and calculate all common form and position deviations.

With the bidirectional scanning system the measuring instrument changes from internal to external scanning without manual intervention. It also has an automatic probe tilt unit for measurements on workpieces which are higher than the vertical axis.

The HOMMEL TESTER FMS 4210 is available for simpler applications. The air-bearing rotary table has a diameter of 220 mm and manual workpiece alignment. Load capacity is 50 kg (not illustrated).



Bidirectional scanning system

The HOMMEL TESTER FMS 5310 meets the highest testing requirements with incremental length measuring systems. The horizontally adjustable Z axis makes it possible to measure workpieces with very large measuring volumes with maximum accuracy. The measurement distance of the vertical axis in this form measurement system is 500 mm (optional 600 mm). The measurement distance on the horizontal axis is 250 mm.