

Precision measurement of roundness and cylindrical form

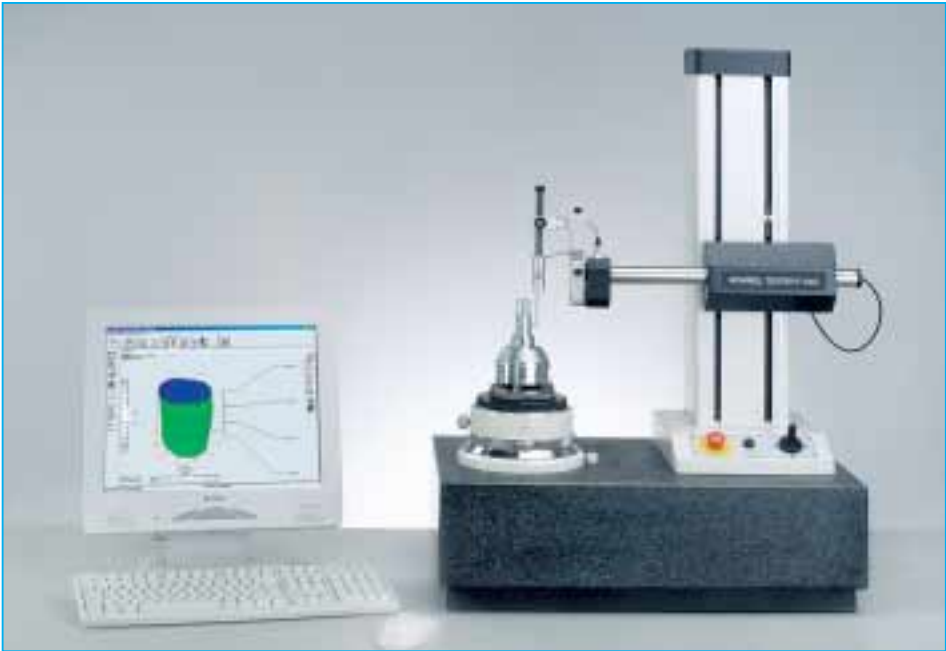
The HOMMEL TESTER F1003 and F2003 are ideal for measuring precision parts where the cylindrical form needs to be measured in addition to the roundness.

They both have a high-precision, vertical measurement axis with a measurement distance of 350 mm (optional 550 mm) and motorised positioning of the horizontal axis. These form measurement systems are therefore suitable for automated measuring runs.

Alignment of the workpiece is supported by automatic help functions. These include alignment of the rotary table and display of correction factors.

The probe is protected against collisions and the design of the instrument allows probe movement past the centre of the table to measure parallelism and conicity without rotating the table.

The HOMMEL TESTER F1003 and the F2003 are available as desktop versions as standard. On request they can also be installed in an ergonomically designed table where they offer an ideally adapted workstation.



HOMMEL TESTER F1003

The traverse distance of the horizontal axis in the [HOMMEL TESTER F1003](#) is 170 mm. The air-bearing rotary table with manual workpiece alignment and a diameter of 150 mm is suitable for components up to 25 kg.



HOMMEL TESTER F2003

The [HOMMEL TESTER F2003](#) has the same principle structure as the [HOMMEL TESTER F1003](#). The traverse range of the horizontal axis is larger with 220 mm movement. The rotary table has a diameter of 250 mm for accommodating workpieces up to 80 kg.

The optional manual [probe tilt arm FS1](#) simplifies the measurement process on complex workpieces. It can be moved easily and quickly into the optimum operating position.

