

QUINDOS CMM Test with a Ball Plate

Evaluation of the Measuring Error of a Coordinate Measuring Machine (CMM) by means of a Ball Plate.

With this package the measuring error of a Coordinate Measuring Machine (CMM) can be checked in regular intervals by using a calibrated ball plate.

The program was developed according to the guidelines specified by the German working group „Überwachung von Dreikoordinaten-messgeräten mit Kugelplatte“ and is certified by the PTB (Physikalisch Technische Bundesanstalt, national bureau of standards) in Germany.

The procedure and evaluations are according to VDI/VDE 2617, page 5.

The program consists of three parts:

1. Test of the probing system, using a ring gauge and a reference sphere. The result of this test is the probing uncertainty and the repeatability of the probe system of the CMM.
2. Measuring and evaluating a ball plate. This test evaluates the geometric deviations of the 3D Measuring Machine.
3. Graphic and numeric output of the measurement results according to the VDI/VDE 2617 guideline, page 5.

Note: The option QUINDOS CMM Test with Ball Plate requires a calibrated ball plate.

