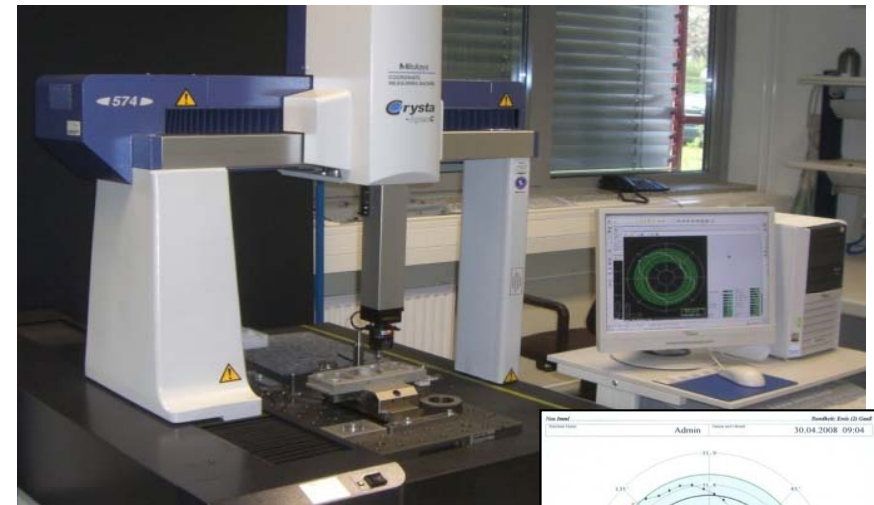


Coordinate Measuring Instrument CRISTA-APEX C 574

Technical Data

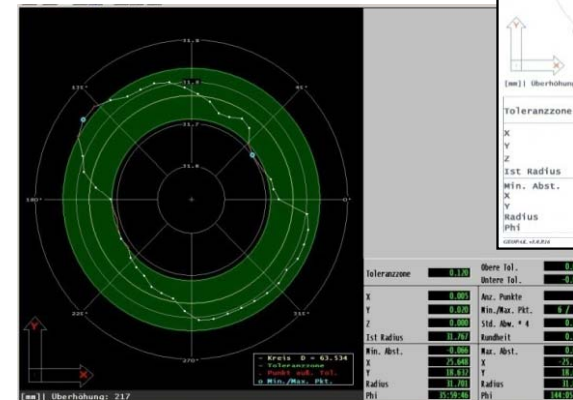
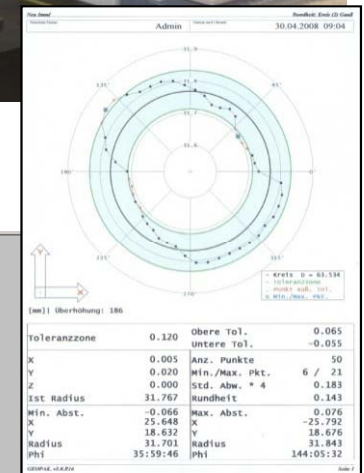
- Traversing range of the axes: X 500 mm, Y 700 mm, Z 400 mm, measurement range depends on construction and arrangement of the feeler
- Errors in measurement of longitude (ISO 10360-2)
MPEE = $1,7 + 0,3 L/100$ [μm]
- Highly precise resolution ($0,5 \mu\text{m}$) of the glass measuring units
- Self adjusting air bearing and integrated thermic and volumetric compensation of deviations for instruments and workpieces in a temperature range of $16 \text{ }^\circ\text{C}$ to $26 \text{ }^\circ\text{C}$
- Powerful software MCOSMOS for measurement and evaluation and recording
- Gauge head: MH 20i (manually operated Renishaw rotary- and swivel head)



Area of Use / Application

- Detection of design values (distances, radiuses, angles, intersection etc.) as well as shape- and position tolerance of geometric elements
- Determination of circularity, rotation, symmetry, parallelism, right angularity, concentricity etc.
- Similar components can be measured automatically with the help of the repeat operation of component programs
- When using manual measurement the touching movement can be controlled with a joystick which allows an ideal touch
- Geometric basic elements can be measured and touched automatically (CNC supported stereoscopic coordinate measurement technology).

Evaluation of the circularity measurement



Evaluation of the surface finish measurement



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