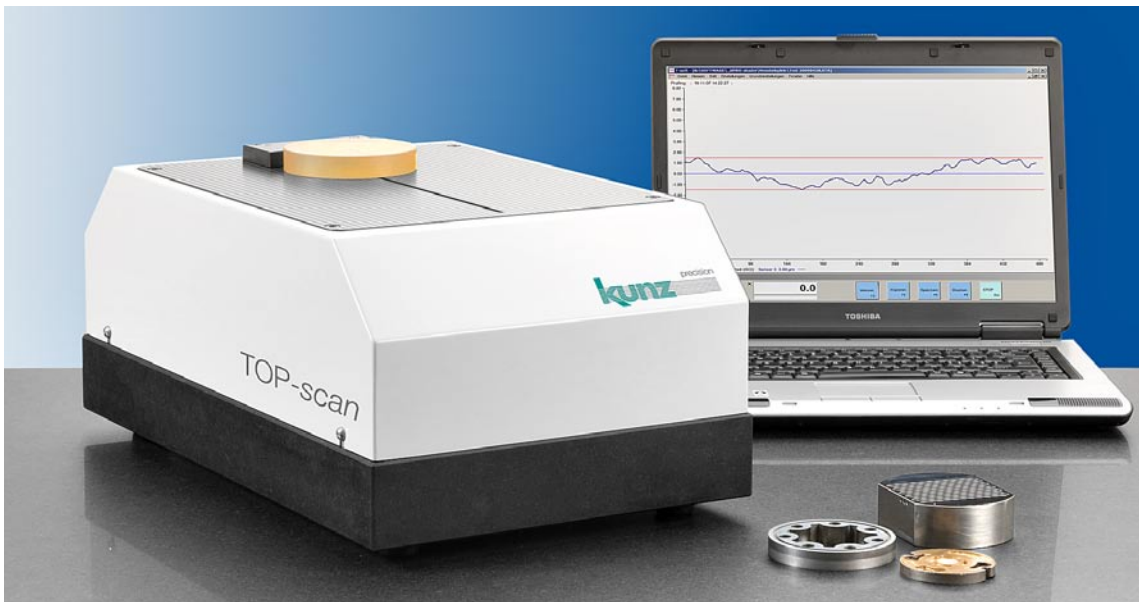


YES - WE SCAN ...

INNOVATION

TOP-scan – the simple, high-precision and super fast profile measuring unit

In contrast to conventional profile measuring units, TOP-scan is measuring the surface of your specimen from the bottom – contactless. This brings the big advantage that no time-consuming settings are necessary as the measuring surface is already in focus and sufficiently aligned – simply apply your part to the TOP-scan and start up measuring.



Contactless measuring in the range of 0.1 µm

The contour is collected with a high-precision laser distance sensor. A high-precision vacuum air bearing linear axis serves as a solid base which, as a matter of course, is maintenance-free and guarantees highest accuracy. The measuring scanning is achieved over the slide whereby the Abbe-principle can be kept.



Workpiece edges and interruptions are detected and calculated in the software automatically so that they will not influence the measurement. Most diverse workpieces with interruptions can be tested in an efficient, simple and fast manner.

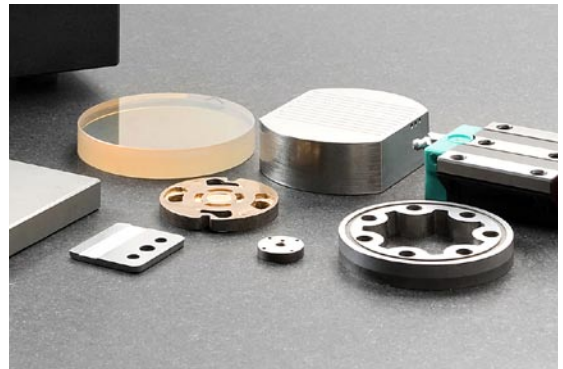
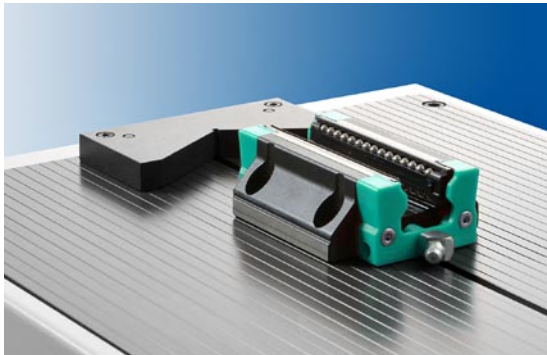
Control mode and software

TOP-scan is controlled by the user friendly measuring software T-soft. The simple use and the efficient, clear interpretation are essential

characteristics of T-soft. By default, the straightness will be output according to ISO. On request the measurement results can be filtered and put through a marginal check. For serial measurements the procedure can be reduced to very few inputs.

Advantages of TOP-scan

- Contactless measurements
- Very easy handling
- No setting necessary
- No danger of probes-collision
- Efficient, very fast measuring and interpretation
- Highest accuracy
- Suitable for workshops



Variety of samples of items

TOP-scan can be used in measuring laboratories as well as in rough surroundings as in workshops. Individual and serial measurements can be carried out. One of the main applications is non-contact measurements of lapped or grinded surfaces.

Optional parallelism measurement

Optionally TOP-scan can also measure parallelism. Therefore, a second sensor will be integrated. Depending on requirements, the precision of the scan can be increased by a high resolution measuring probe.

Technical data

Required connection for compressed air	> 5 bar
Electric connection	230 volt
Dimensions appr. (w/l/h)	300 / 500 / 220 mm
Traverse path	280 mm, other sizes on request
Accuracy (version with laser sensor)	0.3 μm + 1.0×10^{-6} L (L Länge in m)
Accuracy (version with inductive sensor)	0.1 μm + 1.0×10^{-6} L
Repeatability accuracy	0.2 μm (0.1 μm)

These accuracies are valid at a stable temperature only (change of temperature < 0.5 °K / hour). Subject to change.



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