

SURFTEST Probe



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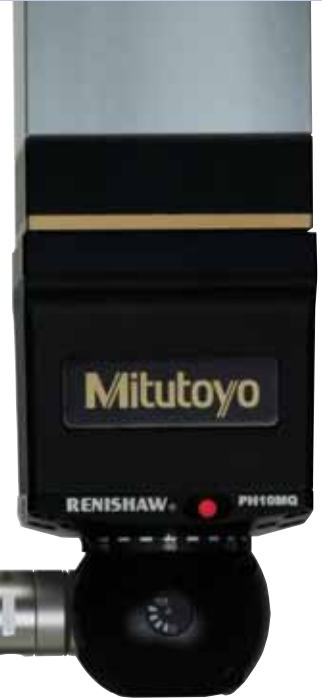
The SURFTEST Probe

Measure Surface Roughness directly on a CMM

This new Mitutoyo probe head closes the gap between conventional CMM measurement and surface roughness inspection by adding roughness measurement capability to your CMM, so avoiding all the cost and inconvenience of additional systems. Deploying the SURFTEST Probe means that, Instead of having to move the workpiece from the CMM to a dedicated roughness tester, this vital type of measurement can be included within one normal CMM cycle.

Handled in exactly the same way as other probes installed in an automatic probe changer, this probe brings the proven technology of the SJ-310 Surftest series to the CMM with all its highly capable range of detectors developed for handling specialist applications, such as roughness measurement on gear teeth and inside small holes or deep grooves, in addition to basic flat-surface measuring tasks.

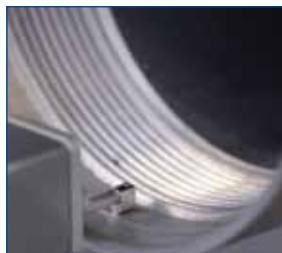
In operation, the probe is brought to the target position on the workpiece and held in that position while the probe's built-in drive moves the detector stylus across the surface. This guarantees the highest accuracy as the CMM's bridge and column do not move during measurement.



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Typical examples



- › Stored and used on the CMM in the same way as any other probe.
- › Uses the proven technology of Mitutoyo's portable SJ-310 Surftest instrument.
- › Choose from five types of detector to precisely match your application.
- › Highly accurate as the probe body is held stationary during measurement.
- › Enables all measurements to be compressed into one CNC cycle.
- › Provides graphical and numerical output.
- › Enables just one measurement report to cover all GD&T requirements.

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