

Form and Position Measurement

A non-contact measurement system to define the dimensional details (form & profile) of a cutting edge including indexability.

A wide variety of features can be measured using standard CAD tools such as; linear dimensions, radii, angles and complex transition forms. High magnification capabilities provide operators the true-form definition needed to make machine set-up decisions and quality dispositions.

Graphic display of the actual image against tolerance bands provides quick indication of "out-of tolerance" areas. Nominal profile and tolerances can be imported via DXF files.

A quick-change fixture plate allows accurate and consistent changeover from part to part.

Image and measurement values can be easily saved to host database quality log.

Ease of use allows minimal technical expertise of final-inspection staff.

General Features:

- Non-contact
- Fast – capture to display 2 sec.
- Shop floor robust
- Intuitive CAD based software
- Small footprint (15" x 15")
- Portable (20 lbs.)
- Integrates with existing database
- PC based



Measurement parameters:

Parameter	Value	Units
Filed of view	16 x 12 (0.63 x 0.47)	mm (inches)
Measurement resolution	6.4 (2.5)	microns (tenths of thou")