

End-Point Inspection - Drill & End Mill

A set-up tool and measurement inspection system, which accepts a wide range of diameters and lengths.

A gage-quality telecentric lens is coupled to a high-resolution camera providing well-defined end-point images suitable for visual inspection and feature measurement. A special purpose lighting module eliminates reflections for image quality.

Standard CAD based tools allow operators to measure features; diameter, angle, cutting edge profile, relief angles, symmetry as well special features such as; chisel, gash, coolant hole size/position.

Simplified fixturing ensures quick changeover from to part to part. Images with inspection values can be saved to quality control log. Initially designed as a final inspection tool it quickly became apparent its value for machine set-up of manufacturing equipment.

General Features:

- Non-contact
- Small foot print (12" x 12")
- Portable
- Intuitive software
- Full range a measurement tools
- Designed for shop floor use



Measurement Specifications:

Parameter	Value	Units
Field of view	17 x 13 (0.67 x 0.51)	mm (inches)
Spatial image resolution	6.6 (0.00026)	microns (inches)
Linear accuracy	5 (.0002)	microns (inches)
Angular accuracy	0.08	degrees