

Precision Metrology Systems For Industrial Quality Control

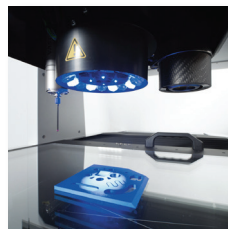


ZEISS Industrial Metrology Systems

ZEISS drives innovation within automotive, aerospace, plastics, mechanical engineering, and medical technology industries. From exploration and processing of raw materials to manufacturing and assembly, ZEISS multidimensional metrology solutions are crucial to the production of high-quality products around the world. Our applications engineering experts navigate ZEISS's deep and diverse portfolio to pair you with exactly the right solution to produce better, faster, more reliable results.



Coordinate Measuring Machines



Vision Measuring Systems



Contact & Optical Sensors



Surface & Contour Systems



Roundness & Form Systems



Computed Tomography Systems



X-Ray Imaging Systems



3D Scanning Systems



Light & Confocal Microscopes



Inspection Services



ZEISS Software



CMM Styli & Fixturing

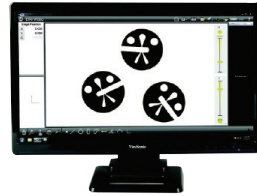
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Starrett Optical & Vision Systems



When it comes to comparators, there's only one clear choice – Starrett. Starrett combines advanced optics and imaging technology to ensure bright, sharp images and exceptional accuracy. With a vast selection of styles, sizes, stages, lenses, and other accessories, Starrett has a comparator for most any application.

Starrett video-based measurement systems combine high-resolution imaging, powerful intuitive software, and precision mechanical platforms to deliver high accuracy and repeatable measurement results.



multi-part measurement



video edge detection

Applications

- Comparison Measurement
- Dimensional Measurement
- Multi-Part Measurement
- Geometric Tolerancing

ViciVision Optical Shaft Systems

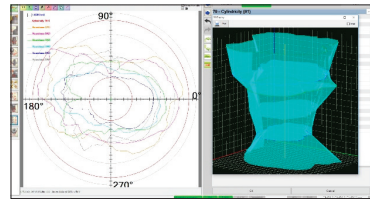


ViciVision high-speed optical measuring systems deliver best in class speed, accuracy, and reliability for shop floor measurement of shafts, cylinders, and other turned, ground, or extruded parts. ViciVision systems can accommodate parts from 8mm to 180mm in diameter and from 100mm to 1250mm in length.

ViciVision advanced software enables measurement of lengths, diameters, distances, angles, radii, form, position, runout, and profile tolerances. Add CAD comparison and other specialized software to measure threads, camshafts, and crankshafts. Optional touch probe system to detect features such as keyways, shafts with splines, gear teeth, and more.



optional touch probe



self-programming software

Applications

- | | |
|--------------------------|-----------------|
| Crankshafts | Turbines |
| Camshafts | Dental Implants |
| Turning Operations | Valves |
| Screw Machine Operations | & more |

Metrios Large FOV Optical Systems

Metrios is an automated optical measuring system with large field of view (FOV) for fast, accurate, and easy to achieve measurement results. Simply "place and press" for instantaneous measurements!

The most complete lighting systems in its category, Metrios performs the measurement through a non-contact system, consisting of a high-resolution camera and three different lighting systems. Through a motorized ring light illuminator, Metrios can change the angle of incidence of the lights on the part and provide different angles of the light source within the same measurement cycle.



17-inch multi-touch screen



ring light illuminator

Applications

- Punched Parts
- Flat Gears
- Fasteners
- Precision Machined Parts
- Molded Plastic Parts
- Sealings