

When hand tools are not enough, dimensional metrology systems from J.A. King and QVI can do the job.

Trying to measure a complex part with different features and different measurement requirements? Hand tools, as reliable as they are, can't always accurately measure today's complicated parts.

Dimensional metrology systems from QVI feature multi-sensor technology which allows you to select the right tool or tools for the part.



Types of Sensors

Optical measurement is ideal for a wide range of part and feature types. Where optics cannot image the feature of interest, other types of sensors can be deployed:

- Video imaging is best for measuring features defined by edges. Diameters, intersections, widths and depths are all commonly measured using vision technology.
- Laser sensors have the ability to generate data points very quickly. In combination with moving stages, lasers can be scanned over a surface or area to measure forms, contours and irregular shapes.
- Inside features, such as a bored hole or cavity, may require a tactile sensor to probe the inside areas of a part where vision and laser sensors cannot

QVI is the world leader in vision metrology and features the brands OGP, CCP, RAM and more. They offer:

- Vision systems
- Optical comparators
- Automatic and semi-automatic measurement systems
- Digital measuring machines
- Visual inspection systems
- Laser profiling systems



Watch a short video about the basics of multi-sensor measurement

All of their machines are fast and highly accurate. They also let you automatically record and export the data you gather, for use in data analysis, SPC, GD&T analysis and custom reporting.

A J.A. King measurement expert can help decide which product with which sensors is right for your particular needs. We can also

reach. Touch trigger probes, scanning probes and articulating probe heads provide access to a wide range of internal dimensions that could not be measured using optics alone.

provide a demo of the machine so you feel 100% confident you're purchasing the right equipment.

[CONTACT A MEASUREMENT EXPERT](#)

J.A. King | 6541 Franz Warner Parkway | Whitsett, NC 27377 | United States

