ZONE3® metrology software puts the power of OGP’s 30 years of multisensor experience into your SmartScope® system for faster, easier and more productive measurements than ever before.

- **ZONE3 is fast.** Synchronous, full field image processing and high speed cameras allow entire scenes to be measured instantly.

- **ZONE3 is capable.** Full multisensor capability, including in-built scanning laser and scanning probe support, GD&T and custom scripting.

- **ZONE3 is easy to learn.** The user interface is centered on the part’s 3D CAD model. Alignments, measurements and constructions are shown graphically in real time. The same procedures are used for all sensors. Learn one, you’ve learned them all.

ZONE3 integrates seamlessly with other QVI metrology applications including MeasureMind® and Measure-X®, letting you retain your library of existing part routines while adding new 3D measurement capability to your SmartScope multisensor system.

ZONE3 is available exclusively for OGP measuring systems. Contact your OGP representative to learn how you can transform the productivity of your SmartScope Flash, ZIP or Quest measurement system with ZONE3.
ZONE3 seamlessly integrates all sensors and deployment mechanisms, ready to use in any order — letting you choose the best measurement tool for every feature of the part.

ZONE3 uses real-time animations to show the current field of view, touch probe position, and laser range. Previews show the expected results of user commands, making it easy to confirm actions.

Easily edit individual point details for all sensors in a common spreadsheet.
ZONE3 features a clear, simple User Interface, with all key features logically arranged and in view at all times — with no annoying pop-up windows to block the user’s view.

The straightforward layout offers three logical areas to create or edit measurement routines — the Tree View Window, the Video Window and the Model Window. Work in the window that suits your style of programming.

Choose Your Own Programming Style

Visual 3D Model – the Key to Productivity
AutoPath Capability
ZONE3 AutoPath uses CAD nominals to automatically create an optimal path for each measurement. AutoPath is fully multisensor capable. Use AutoPath with any sensor.

Real-Time Kinematic Model
Kinematic Model simulation of the machine, parts, fixtures and sensors, updated in real-time.

Intuitive Illumination Controls
Simple controls let you program the light source, intensity, direction and angle for each measurement finder. Programmable presets let you easily re-use frequently used lighting combinations.
Visualize the Entire Measurement Process

ZONE3 offers a series of tools to maximize throughput and system utilization.

- Parametric Programming
- “Apply to Similar”
- AutoPath Generation
- Drag-and-Drop: Copy, Feature Parameters, Report
- SnapShot™ Full-Field Image Processing
- Intelligent Routine Optimization

From Start to Finish
ZONE3 builds measurement routines directly from 3D CAD files. Easily import common CAD formats including STEP, IGES, VDA and DXF – with no need for file preparation or transformation. Just load the CAD file and go. ZONE3 automatically aligns the measured part with its CAD model.

ZONE3’s Contextual Feature Creation bases measurements on selected sensor types. If a touch probe is selected, ZONE3 automatically deduces the user’s intention to measure a surface. Select video and ZONE3 assumes an edge measurement is needed.

SnapShot™ Full-Field Image Processing — over 1500 points on 57 features are captured simultaneously

Productivity-Maximizing Tools
ZONE3 offers a series of tools to maximize throughout and system utilization.

- Parametric Programming
- “Apply to Similar”
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- Intelligent Routine Optimization
See It for Yourself
Visual Validation Guides You Through the Measurement Process

ZONE3 previews offer visual validation of each operation before it’s executed. You get immediate visual feedback so common errors and unintended consequences are avoided.

**Two different outcomes** based on the user’s selection of Datums A-B-C (left), or A-C-B (right).

**Constructions** of bolt hole circle and maximum distance between two holes in that circle.

**Maximum Material Condition**

**Regardless of Feature Size**

Make It Yours

ZONE3 routines can be easily customized using variables, parametric programming, custom reports, or other advanced programming capabilities.

Advanced Programming

Create turnkey solutions using object oriented programming.

Drag and Drop Variables and Reports

*Grab a Picture*

*Drag and Drop to Add Graphics or Part Information to your Report*

*Grab the Result*

*Drag and Drop to Set the Variable*
Quality Vision International (QVI®) is the world's largest vision metrology company. Founded in 1945, QVI is the world leader in optical, electronic and software technologies for vision and multisensor measuring systems.

**ZONE3 Features**

- Full routine programming from 3D CAD
- Real-time kinematic model
- ASME Y14.5 and ISO 1101 GD&T with animated tolerance zones*
- Interactive & dynamic graphical reporting
- Probe Builder with live model
- Alignment Assistance with Degrees of Freedom animation
- SnapShot™ full-field image processing

*U.S. Patent Number 8 793 097 B2

**ZONE3 Pro Features**

ZONE3 Pro adds the following features —

- Simultaneity for GD&T
- Advanced Reporting
- Advanced Programming

**ZONE3 Offline Features**

- Includes ZONE3 Pro features
- Image simulation from CAD
- Multisensor visualization

**ZONE3 Availability**

ZONE3 is available exclusively for new or installed OGP® SmartScope® Flash, ZIP or Quest measuring systems. Contact your OGP representative for more information.