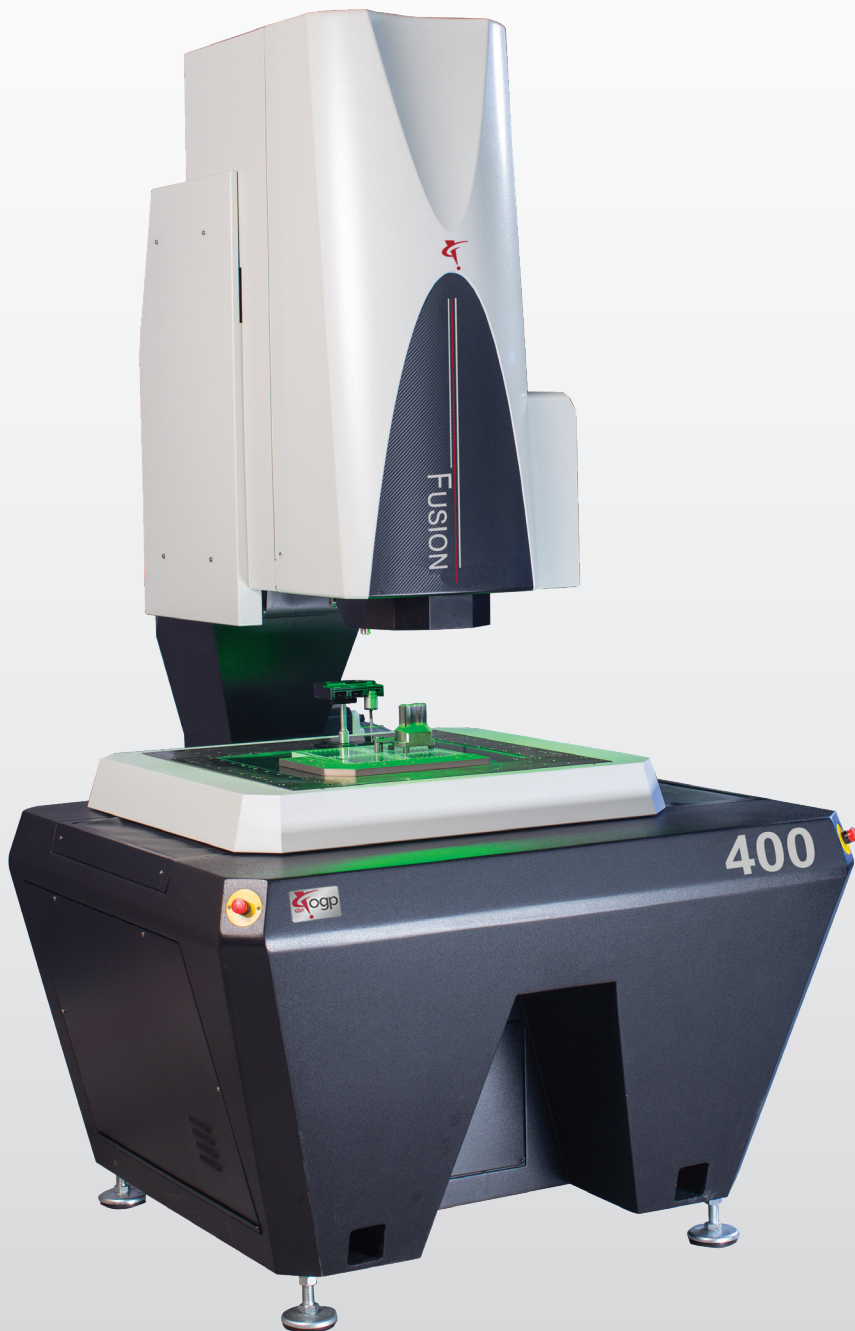




Quality Vision International  
Precision for People®



# FUSION

Family of Products

# Intelligent Image Processing

QVI Fusion is an innovative large field-of-view (LFOV) multisensor measurement system that offers advanced large field image analysis capability.

The heart of its capability lies in its LFOV optical system. Large field optics allow Feature Extraction to analyze any part and display basic part geometry without the need for a programmed measurement routine. With AutoID, a previously programmed part — or multiple parts — may be placed anywhere on the stage, even without fixturing, and Fusion will accurately identify the parts and automatically measure them.

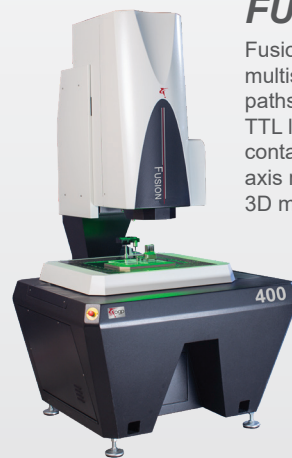
Fusion 350 is ideal for measuring 2D parts. With AutoID and Feature Extraction, Fusion 350 identifies critical features of a single part or multiple parts and automatically measures them regardless of orientation.

Fusion 400 adds multisensor capability and state-of-the-art optics to measure the most challenging 3D part geometries.



## ***FUSION 350***

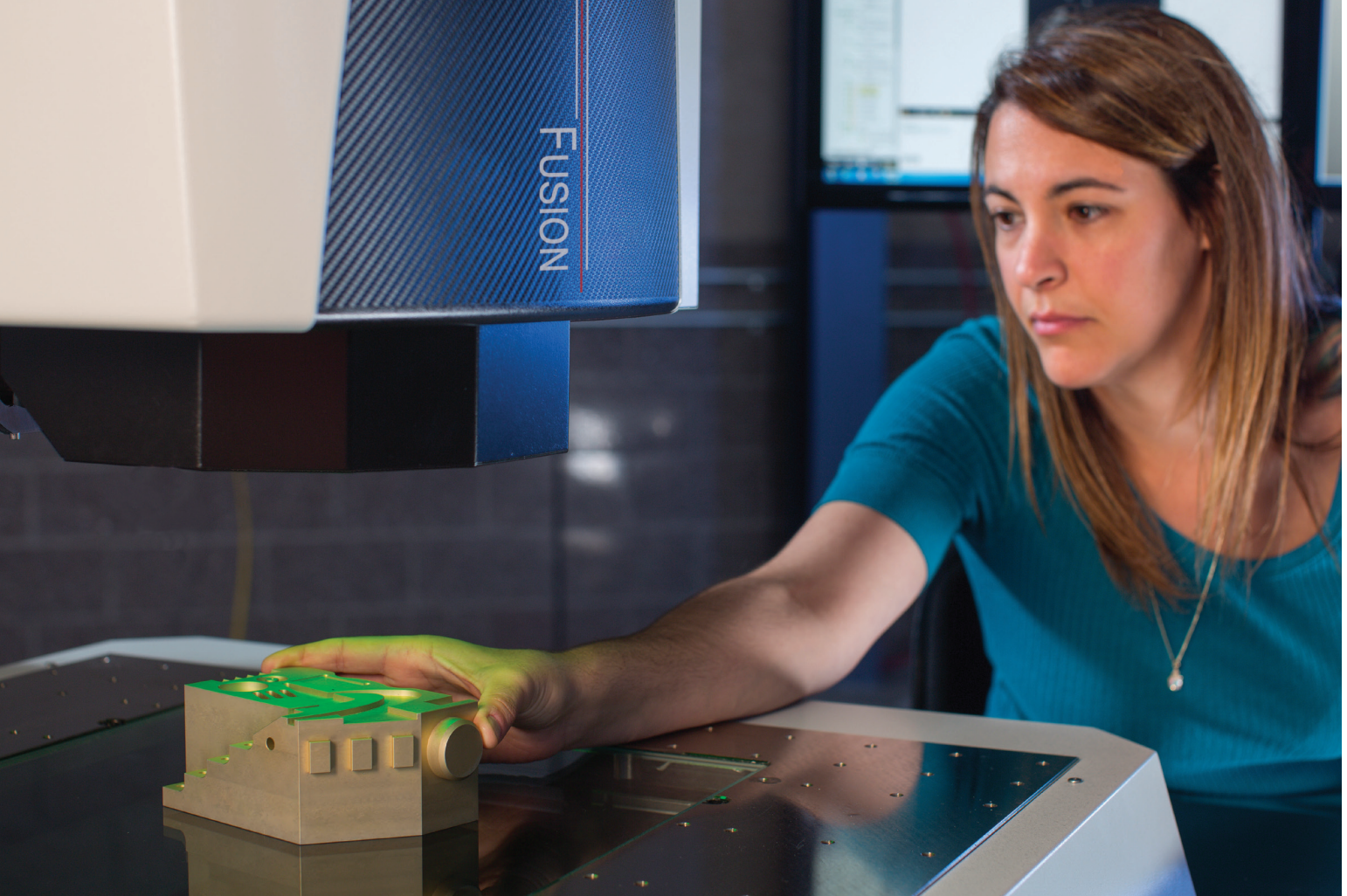
Fusion 350 combines LFOV with large field optics making it ideal for large format 2D parts. AutoID and Feature Extraction measure single or multiple parts instantly. DRS laser and TP20 touch probe are available options for 3-axis measurements.



## ***FUSION 400***

Fusion™ 400 is a high-performance multisensor system offering dual optical paths. Optional touch probe, TeleStar® TTL laser, micro-probe, continuous contact scanning probe, and 4<sup>th</sup> and 5<sup>th</sup> axis rotary indexers provide high speed 3D multisensor versatility.

Fusion Model	350		400	
	Standard	Optional	Standard	Optional
Stage Motion (XYZ)	350 x 350 x 150 mm	Ext X axis 510 mm	350 x 250 x 250 mm	Ext X axis 450 mm
Field of View (diagonal)	Low Magnification: 100 mm High Magnification: 24 mm	Low Magnification: 78 mm High Magnification: 20 mm	Low Magnification: 100 mm High Magnification: 20 mm	
Optics	Telecentric, single camera, dual optical magnification with turret mounted low and mid magnification lenses		Telecentric, dual camera, dual optical magnification for instant magnification change	
Measuring Range (With Standard Optics)	450 x 450 mm (X,Y)	610 x 450 mm (X,Y) (with optional extended X travel)	Low Magnification: 400 x 300 x 250 mm (XYZ)	
Software	ZONE3® Express	ZONE3 Prime or Pro	ZONE3 Express	ZONE3 Prime or Pro

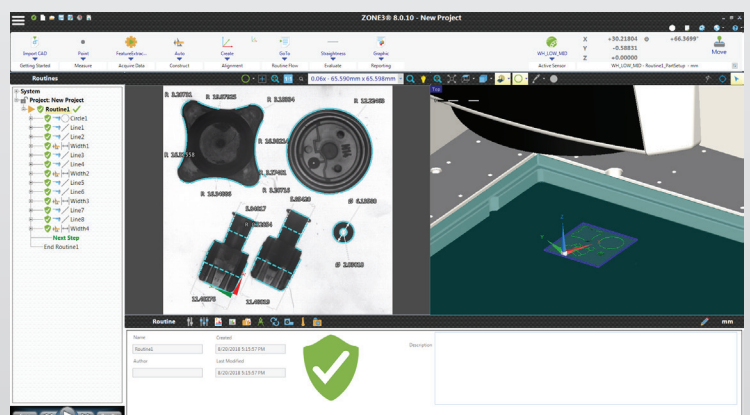
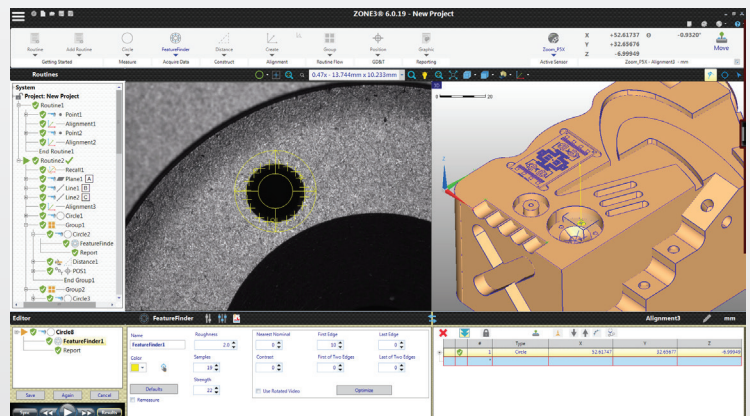


## ZONE3® Metrology Software

ZONE3 Metrology Software represents a totally new way of large field-of-view image processing of multiple parts. Its interface clearly displays relationships between parts, sensors, datum alignments, and fixture tooling. ZONE3 uses CAD models and other innovative features to automatically and effortlessly generate complex measurement routines.

### Features Include:

- Full CAD programming.
- ASME Y14.5 compliant GD&T functionality.
- Interactive reporting with live data and graphs.
- Multisensor auto-path creation.
- Live kinematic model simulation of machine with DRF and GD&T Animation.
- Optional Prime and Pro functions
  - ZONE3 Prime and Pro offer extended capabilities such as 3D CAD programming and run time optimizer to measure multiple parts fast and efficiently. Parts are automatically identified and features are instantly measured to help eliminate complex programming steps.





## QUALITY VISION INTERNATIONAL – Precision for People®

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 dimensional measuring systems.

Precision for People is more than just our slogan. It's our commitment to delivering our worldwide customers precision metrology systems, designed with the people who use them in mind. Precision for People - it's what we stand for.



For more info visit [www.qvii.com](http://www.qvii.com)