

Quick Vision Active

**UNPRECEDENTED PRICES ON  
UNPARALLELED PRECISION**

LIMITED TIME SPECIAL SOFTWARE PRODUCTIVITY PACK OFFER

**Mitutoyo**

# MITUTOYO VISION INSTRUMENTS

Mitutoyo Vision measurement systems make 3D, non-contact inspection easier, faster and more efficient. They offer cutting-edge capabilities for applications that require higher accuracy edge detection, pattern recognition and measurement—in environments with measuring areas too small or delicate for conventional probes. Enjoy significant savings on our advanced Quick Vision Active Series, Quick Vision Apex Series measuring instruments and our Points from Focus (PFF) software package.

## Act now to take advantage of this special offer

**1-888-MITUTOYO (select option 2)**  
**[mitutoyo.com/vision-promo-2019/](http://mitutoyo.com/vision-promo-2019/)**

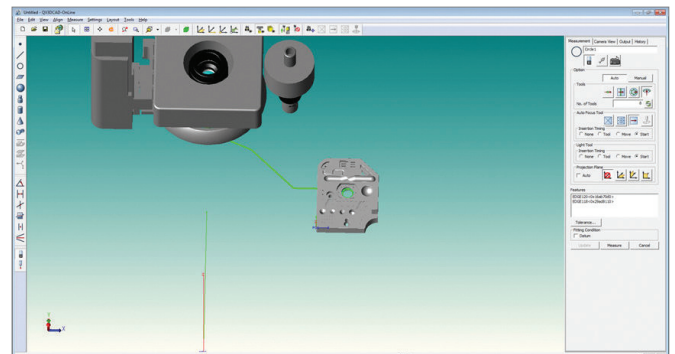
### All Mitutoyo Promotional Vision Systems Include:

- Machine and stand
- System installation
- Initial A2LA calibration
- Multi-day initial training
- QVPak inspection software
- 2-year factory warranty
- Dell Windows 10 Computer
- Metrology software (a \$15,200 value)
  - QV3DCAD
  - Formtracepak
  - MeasurLink® 9 data management solution
  - 5-year software support

### SPECIAL SOFTWARE PRODUCTIVITY PACK INCLUDED ON ALL PROMOTIONAL MODELS

All Vision promotional models include the latest QV3DCAD, Formtracepak 6 and MeasurLink 9 software with each instrument purchase. These free software-based tools ensure optimal, user-friendly operation and analysis/reporting capabilities.

- QV3DCAD uses 3D CAD models to easily create part programs—improving program creation efficiency and reliability
- Formtracepak performs contour tolerance and form analysis from data obtained with the QVPAK edge detection tools and laser probe data points
- MeasurLink delivers advanced, real-time data capture, analysis and reporting—from the shop floor to the lab, to the field



## QUICK VISION ACTIVE SERIES



Turnkey system starting at  
**\$45,300**

High-efficiency, automated vision measurement system featuring space saving ergonomic design, superior flexibility, and high-throughput of small features, through one of the most versatile tools available.

### FEATURES AND BENEFITS

- 2.0 µm accuracy, fully CNC
- 202 (250mm x 200mm) and 404 (400mm x 400mm) stage sizes
- 8-Step zoom with interchangeable objective lenses
- 74mm working distance (with 1x objective)
- Optional touch probe, also can be retrofit
- Powerful, flexible QVPak software
- 0.1 µm glass scales

Model No.	QV ACTIVE 202	QV ACTIVE 404
Measuring Range X-Axis	9.84in 250mm	15.75in 400mm
Measuring Range Y-Axis	7.87in 200mm	15.75in 400mm
Measuring Range Z-Axis	5.91in 150mm	7.78in 200mm
Measuring accuracy	$E1(X,Y) = (2+3L/1000)$ $E1(Z) = (3+5L/1000)$ $E2(X,Y) = (2.5+4L/1000)$	
Illuminations	(White LED) Contour / Coaxial / 4-quadrant ring light	
Magnification change system	Zoom optical system with 8 positions (Standard 1.5X magnification lens)	
Sensor type	High-resolution CMOS color camera	High-resolution CMOS color camera
Optional objective lens	1X and 2X magnification	1X and 2X magnification

SPECIAL SOFTWARE PRODUCTIVITY PACK included

## QUICK VISION APEX SERIES



Turnkey system starting at  
**\$62,600**

Floor-standing CNC-controlled vision measurement system, featuring a choice of size and accuracy specifications.

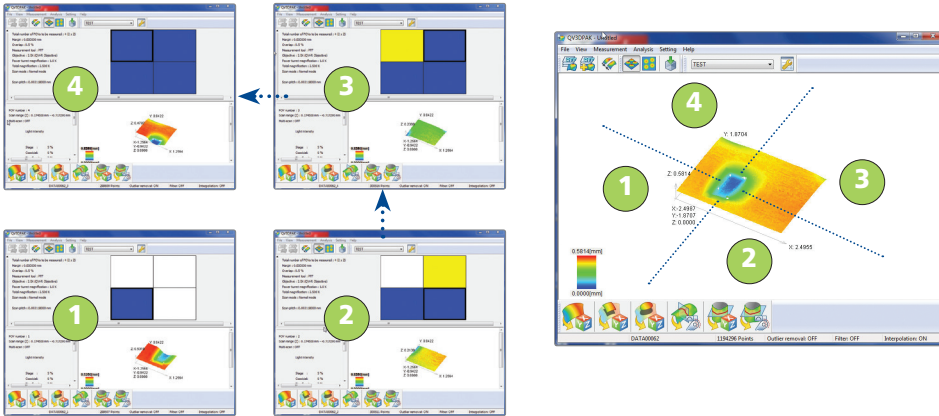
### FEATURES AND BENEFITS

- 1.5 µm accuracy, fully CNC
- 302 (300mm x 200mm), 404 (400mm x 400mm), and 606 (600mm x 650mm) stage sizes
- Power turret with interchangeable objective lenses
- Programmable ring light with modifiable angle
- Optional touch probe, also can be retrofit
- Powerful, flexible QVPak software
- 0.1 µm glass scales

Type	QV APEX 302	QV APEX 404	QV APEX 606
Range (X,Y,Z-axis) w/Vision Head	11.81"x7.87"x7.87" 300 x 200 x 200 mm	15.75"x15.75"x9.84" 400 x 400 x 250 mm	23.62"x25.59"x9.84" 600 x 650 x 250 mm
Resolution/ scale unit	0.1µm / reflective-type linear encoder		
Accuracy (µm)	$E1(X,Y) = (1.5+3L/1000)$ $E1(Z) = (1.5+4L/1000)$ $E2(XY) = (2.0+4L/1000)$		
Illumination	(White LED), Contour/Coaxial/4-quadrant programmable ring light		
Magnification change system	Turret optical system, Standard 1.0X magnification lens		
Sensor Type	High resolution CCD camera		
Optional objective lenses	2.5x, 5X, 10X and 25X magnification		

SPECIAL SOFTWARE PRODUCTIVITY PACK included

## OPTIONAL POINTS FROM FOCUS (PFF) FOR QUICK VISION APEX SERIES



Upgrade to PFF for only  
**\$7,500**  
 (with new system purchases)

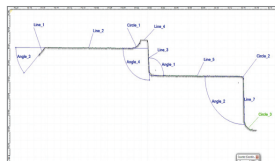
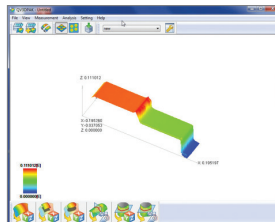
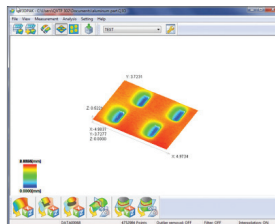
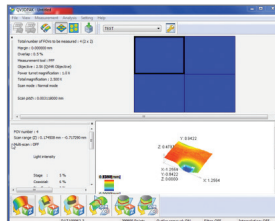
**Points from Focus 3D contour software package for the QV Apex Series delivers optical data collection and 3D point data extraction on complex surfaces. This valuable add-on significantly increases the versatility and capabilities of your QV Apex Series instrument.**

### 3D CONTOUR SOFTWARE PACKAGE:

- Update your QV Apex Models to allow for 3D point data extraction on complex surfaces
- High speed acquisition with multiple objective support
- High density point cloud with easy export
- Single FOV or up to 1500 FOV (combined locations)
- Uses Mitutoyo's Automatic Lighting to create optimized illumination on workpiece
- Programmable with QVPAK and Formtracepak

### YOUR PFF PACKAGE INCLUDES:

- Objective Lens (2.5X)
- Compensation Chart
- Computer Upgrade (64GB RAM)
- QV3DPAK Acquisition Software
- FORMTRACEPAK-AP (2D analysis software)
- 3D Lens Mapping
- Training




## ABOUT MITUTOYO

At Mitutoyo America Corporation, our mission is to provide the most trusted, advanced and precise metrology solutions available.

For over 80 years, we've offered an unmatched portfolio of precision metrology solutions for almost any application. But we don't stop there. With in-depth support including the robust Mitutoyo Institute of Metrology and our A2LA-accredited calibration lab, Mitutoyo is committed to providing a true partnership for our customers.

**When you need the ultimate level of precision, Mitutoyo can be trusted end to end.**

**Mitutoyo**



# TAKE ADVANTAGE OF A MAJOR TAX DEDUCTION OPPORTUNITY BEFORE 2019 ENDS

## LIMITED TIME OPPORTUNITY

Not only can you enjoy significant savings on your purchase of a Mitutoyo Vision instrument before the end of the year, you also may be eligible for a significant tax deduction. Section 179 of the IRS tax code allows businesses to deduct the full purchase of qualifying equipment (with a new spending cap on purchases of \$2.5 million) during the tax year, instead of depreciating them over a longer term. And it's easy to see how much you could save with the online rebate calculator tool.

Learn more and calculate your savings at [section179.org](https://www.section179.org)





**Formtracer SV-C3200 Series**  
[mitutoyo.com/form-promo-2019/](http://mitutoyo.com/form-promo-2019/)



**CRYSTA-Apex S Series**  
[mitutoyo.com/cmm-promo-2019/](http://mitutoyo.com/cmm-promo-2019/)

## GET ADDITIONAL SIGNIFICANT SAVINGS ON SELECT MITUTOYO FORM AND CMM MEASUREMENT SYSTEMS.



To learn more about any of these savings opportunities, contact 1-888-MITUTOYO and select option 2 to speak to a sales associate or email [sales@mitutoyo.com](mailto:sales@mitutoyo.com).

[mitutoyo.com/vision-promo-2019/](http://mitutoyo.com/vision-promo-2019/)

Promotion effective date September 18, 2019. While supplies last.

**Note:** All information regarding our products, and in particular the illustrations, drawings, dimensional and performance data contained in this printed matter as well as other technical data are to be regarded as approximate average values. We therefore reserve the right to make changes to the corresponding designs. The stated standards, similar technical regulations, descriptions and illustrations of the products were valid at the time of printing. In addition, the latest applicable version of our General Trading Conditions will apply. Only quotations submitted by ourselves may be regarded as definitive. Specifications are subject to change without notice.

Mitutoyo products are subject to US Export Administration Regulations (EAR). Re-export or relocation of our products may require prior approval by an appropriate governing authority.

#### Trademarks and Registrations

Designations used by companies to distinguish their products are often claimed as trademarks. In all instances where Mitutoyo America Corporation is aware of a claim, the product names appear in initial capital or all capital letters. The appropriate companies should be contacted for more complete trademark and registration information.

# Mitutoyo

**Mitutoyo America Corporation**  
**M3 Solution Centers:**

Aurora, Illinois (Headquarters)  
Boston, Massachusetts  
Charlotte, North Carolina  
Cincinnati, Ohio  
Detroit, Michigan  
Los Angeles, California  
Birmingham, Alabama  
Seattle, Washington  
Houston, Texas