

# Mitutoyo

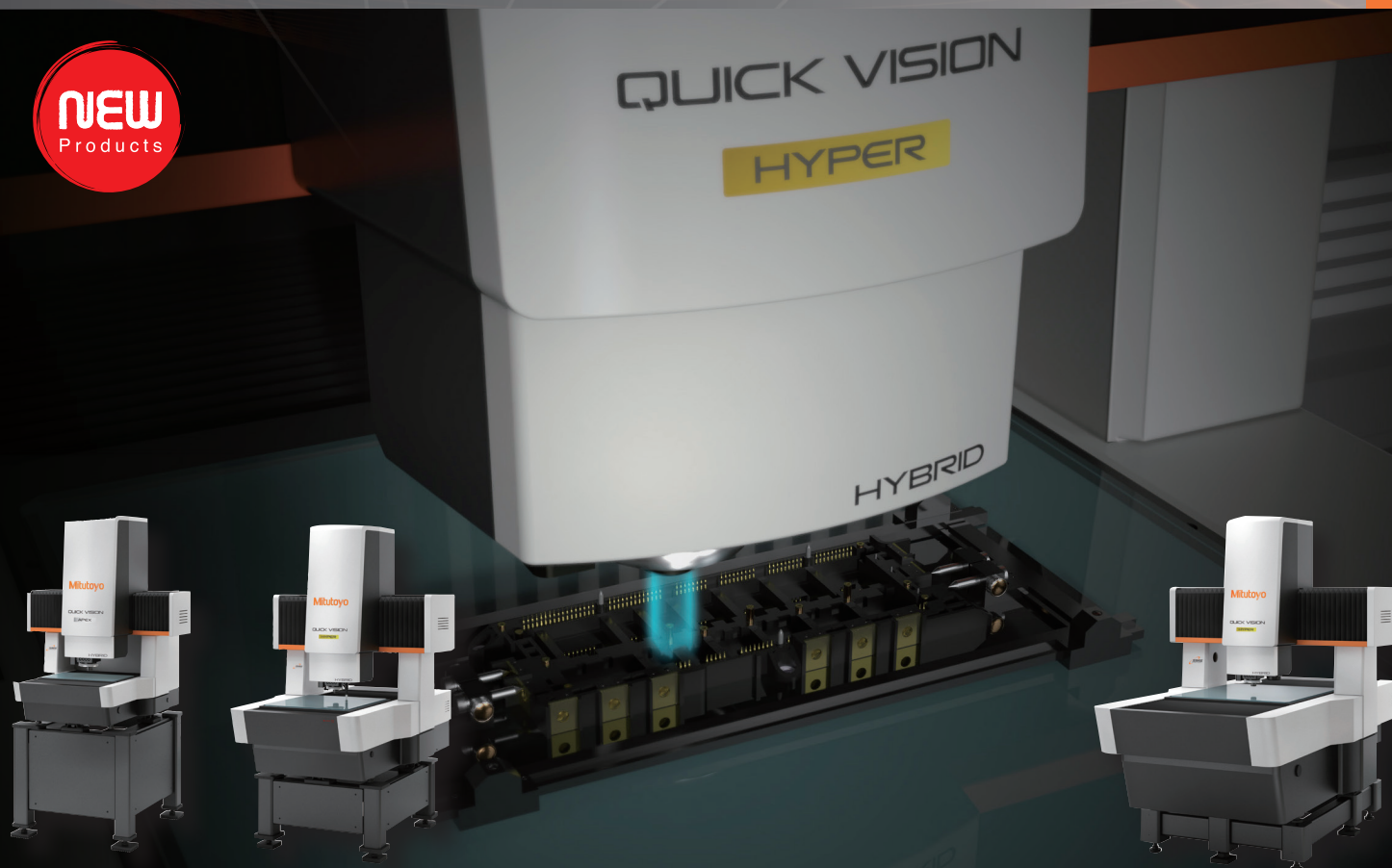
 **IMTS2022**

## LIMITED TIME OFFER Vision Systems Bonus Packages

Get an extra year of calibration and Opti-Fix Kit on the QV Pro 302, QV Pro 404 and QV Pro 606.

Effective September 12, 2022 through December 23, 2022

QV PRO PACKAGE PROMOTION



# LIMITED TIME OFFER

## QV APEX Pro Bonus Packages

Get an extra year of calibration and Opti-Fix Kit on the QV Pro 302, QV Pro 404 and QV Pro 606.

### Opti-fix Optical Fixturing System

The Mitutoyo Opti-Fix system features a modular clamping design that makes measurements considerably easier for vision measuring machines. It satisfies safe part work holding for measurement and insures permanent error free transfer of measured values. To reduce disturbing reflections, all important construction elements are anodized in a flat black finish. Multiple part loading is possible with optional components and setups are available from a full line of components offerings.



### STANDARD Calibration

Standard calibration includes machine cleaning, inspection of all critical mechanics, along with linear, volumetric tests, repeatability tests and after calibration data only (does not include before calibration data). Mitutoyo Service Agreements are designed to provide responsive and reliable service. Our service engineers are fully trained in the operation and servicing of Mitutoyo CMM/Vision products to provide the very best service to our customers. Not only does Mitutoyo offer AZLA accredited service on all capital equipment, Mitutoyo is one of the only companies in the United States whose field service and calibration labs offer ISO 17025 accredited services.



## QV APEX Pro

### CNC Vision Measuring System

- This is a superior model of QUICK VISION, which is equipped with the StrobeSnap function as standard, enabling high-speed measurement.
- We offer a model with tracking auto focus (TAF) that quickly focuses on the object, improving throughput significantly.
- The camera motion and the strobe light are synchronized to make non-stop vision measurements without stopping the stage. This makes it possible to use STREAM to shorten measuring time dramatically.



Model		QV APEX 302 Pro				QV APEX 404 Pro				QV APEX 606 Pro			
Order No.		363-601	363-603	363-602	363-604	363-611	363-613	363-612	363-614	363-621	363-623	363-622	363-624
		QV- X302P1L-E	QV- X302T1L-E	QV- X302P1C-E	QV- X302T1C-E	QV- X404P1L-E	QV- X404T1L-E	QV- X404P1C-E	QV- X404T1C-E	QV- X606P1L-E	QV- X606T1L-E	QV- X606P1C-E	QV- X606T1C-E
Measuring range [mm]		12x8x8" (300×200×200)				16x16x10" (400×400×250)				24x26x10" (600×650×250)			
Observation unit		Programmable power turret 1X-2X-6X											
Tracking Auto Focus device		—	✓	—	✓	—	✓	—	✓	—	✓	—	✓
Illumination unit	Contour illumination	White LED											
	Surface illumination	White LED		Color LED		White LED		Color LED		White LED		Color LED	
	PRL	White LED		Color LED		White LED		Color LED		White LED		Color LED	
Resolution of scale [μm]		0.1											
Vision measuring accuracy [μm]	E <sub>UX</sub> /E <sub>UY</sub> , MPE	(1.5 + 3L/1000)											
	E <sub>UXY</sub> , MPE	(2.0 + 4L/1000)											
	E <sub>UZ</sub> , MPE	(1.5 + 4L/1000)											
LAF Repeatability [μm]		—	σ ≤0.8	—	σ ≤0.8	—	σ ≤0.8	—	σ ≤0.8	—	σ ≤0.8	—	σ ≤0.8
Temperature compensation function		Manual											

**Mitutoyo**

Mitutoyo America Corporation  
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Offer valid 9/12/2022 ~ 12/23/2022

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