## Analysis Software

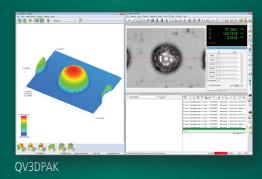
# **Mitutoy**<sub>0</sub>

QUICK VISION

### OVPAK

QVPAK has evolved to the most powerful version yet with the QV Easy Editor. The modeless operation and concise simple interface require no specialized knowledge. Along with the proven power of QVBasic editor for customization and communication, QVPAK satisfies all user levels.

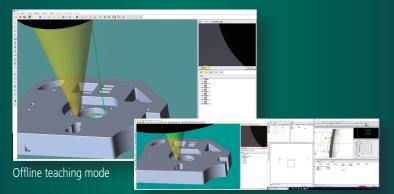
• All required measuring tool corrections can be made from the video window. • Programming is fast, easy and interactive







QV3DCAD creates a QVPAK part program from a 3D CAD model. The current version supports two modes: the online mode that allows you to teach while monitoring the actual workpiece by synchronizing the software with the QV system, and the offline mode that allows you to create a part program on a PC not connected to the main unit.



Online teaching mode

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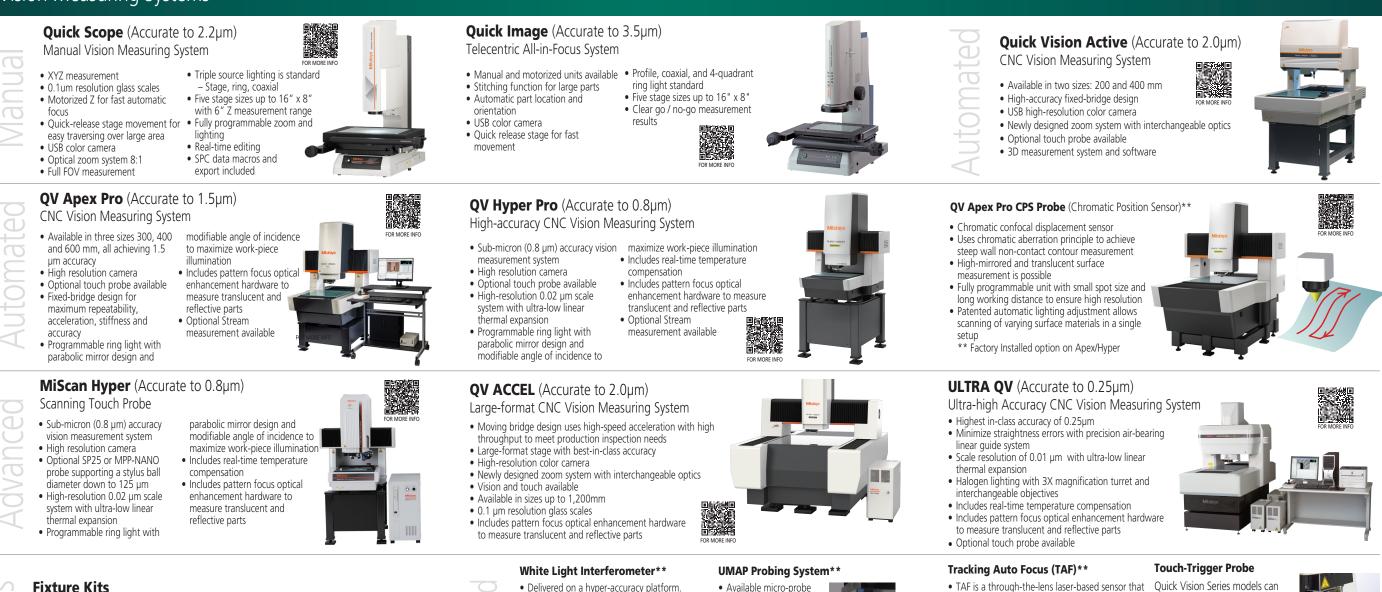
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# Introducing Mitutoyo's Full Line of Vision Measuring Equipment

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## Vision Measuring Systems



Opti-Fix Modular Clamping System for Optical Systems

Six unique kit designs for large and small workpieces. Safe and non-marking workholding designed and manufactured by Mitutoyo. Support for flat, flexible and cylindrical parts with unobstructed access to the optical measurement path. Easy load, unload and setup.



- Delivered on a hyper-accuracy platform. High-accuracy measurement of surfaces, roughness and analysis of line and space measurements of circuit boards / packages
- \*\* Factory installed option



- measurement systems are delivered on a hyper- and ultra-accuracy platform. Interchangeable microprobes from 15µm to 300µm in diameter
- Unmatched repeatability
- High-aspect ratio stylus family
- Ultra-low force measurements
- 3D measurement for micro geometry
- \*\* Factory Installed option on Hyper/Ultra



focus tracks Z surface to reduce or eliminate

traditional move-and-measure video focusing

• Drastically improves measurement throughput

\*\* Factory Installed option on Apex/Hyper

Automatic Z-axis tracking Objective

Surface of workpie

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be delivered or retrofitted with a

touch-trigger probe that allows

feature measurement of items

unable to be measured by vision

TP-20 or TP-200 probe types are

rack, probes & modules

Kits include: calibration ring/sphere.

methods alone.

available