

Mitutoyo

Mitutoyo Quality

CNC VISION TRADE-IN TRADE-UP PROGRAM

LIMITED TIME OFFER

VISION TRADE-IN PROGRAM





This limited-time trade-in trade-up program is a fantastic opportunity to upgrade to a new, state-of-the-art Mitutoyo CNC Quick Vision-Apex Pro measurement system. Not only will you receive a generous trade-in allowance for your old vision machine, but you will get one of the fastest, most capable vision systems with the latest technology, software and high-end components on the market today.

Having a new vision system from the Mitutoyo QV Pro series lineup will transform your quality control processes, providing much faster 3D non-contact measurement speeds with higher accuracy, better throughput and knowledgeable professional support. The QV Pro is designed and manufactured in our own Japanese facilities, ensuring every system produced meets our own stringent quality guidelines. Each component is made from the best materials, engineered to be incredibly durable and highly accurate for many years of reliable measurements.

The benefits on new QV Pro include:

- ✓ **Faster Measurements:** The QV Pro captures 3D non-contact measurements 45% faster than conventional systems
- ✓ **Advanced Technologies:** Built-in and optional functions measure a variety of part shapes and sizes with amazing throughput
- ✓ **Better Components:** Best-in-class optics, cameras and motorized stages provide years of reliable, repeatable and accurate measurements
- ✓ **Increased Versatility:** Touch probe capabilities and advanced image processing technology take measurements other vision systems can't make
- ✓ **Easy to Use:** The optional automatic, high-performance tracking auto focus maintains focus eliminating focus adjustment tasks
- ✓ **Durability:** Built in our own manufacturing facilities with high-end components, the QV Pro is designed with accuracy and longevity in mind

How the program works:

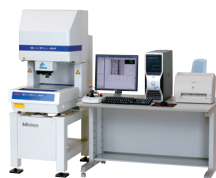
We want to see your old Vision system. Contact your local Mitutoyo America sales representative or your local Mitutoyo Vision distributor to discuss your new machine needs. Upon evaluation of your needs, we will assess your current machine for trade in. Many considerations go into preparing a trade offer:

- ✓ Machine model and size
- ✓ Current version of Mitutoyo software.
- ✓ Your old machine location and the new machine installation location. We will remove, ship and recycle your existing machine at no charge as long as it is located at the same site where your new machine will be installed.

Are you ready to get started?
Contact your local Mitutoyo representative or local Mitutoyo Vision distributor today.

Eligible Vision trade-in models:

- | | | |
|------------|-------------|-------------------------------|
| ✓ Ultra QV | ✓ QV Stream | ✓ QV Elf |
| ✓ Hyper QV | ✓ QV Accel | ✓ QV Active |
| ✓ Super QV | ✓ UMAP | ✓ Quick Scope |
| ✓ QV Apex | ✓ MiSCAN | ✓ Non-Mitutoyo vision machine |



Vision Line-up

Mitutoyo offers a comprehensive line-up of Vision systems, probing systems and powerful software.



Quick Vision Apex
CNC Vision Measuring System



Quick Vision Hyper
High-accuracy CNC Vision Measuring System



Quick Vision Accel
Large-format CNC Vision Measuring System



Quick Vision Ultra
Ultra-high Accuracy CNC Vision Measuring System



MiSCAN Hyper
Scanning Touch Probe

Vision Model Specifications:

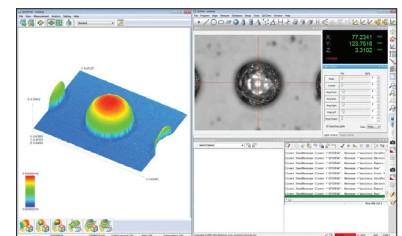
Mode	Measuring Range (X,Y,Z)		Accuracy (Up To)
	Starting From	Up To	
Quick Vision Apex	300x200x200	600x650x250	(1.5+3L/1000)μm
Quick Vision Hyper	300x200x200	600x650x250	(0.8+2L/1000)μm
Quick Vision Accel	800x800x150	1000x1000x150	(1.5+3L/1000)μm
Quick Vision Ultra	400x400x200	400x400x200	(.25+2L/1000)μm
MiSCAN Hyper	300x200x200	400x400x250	(0.8+2L/1000)μm

Analysis Software

QVPAK

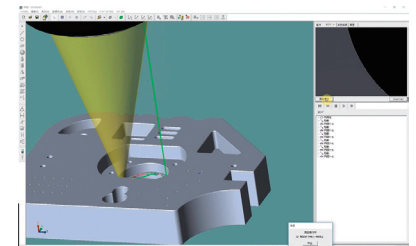
QVPAK has evolved to the most powerful version yet with the QV Easy Editor. The modelless operation and concise simple interface require no specialized knowledge. Along with the proven power of QVBasic editor for customization and communication, QVPAK satisfies all user levels.

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



QV3DCAD

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.

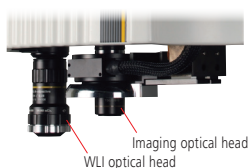


Sensor Technology Supported

White Light Interferometer**

- 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



Imaging optical head
WLI optical head

UMAP Probing System**

- Available micro-probe 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

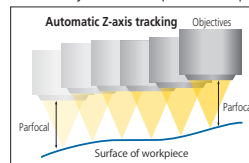
** Factory Installed option on Hyper/Ultra



Tracking Auto Focus (TAF)**

- TAF is a through-the-lens laser-based sensor that focus tracks Z surface to reduce or eliminate traditional move-and-measure video focusing
- Drastically improves measurement throughput

** Factory Installed option on Apex/Hyper

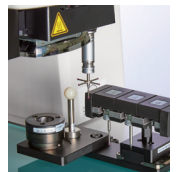


* Available with QV Apex series

Touch-Trigger Probe

Quick Vision Series models can be delivered or retrofitted with a touch-trigger probe that allows feature measurement of items unable to be measured by vision methods alone.

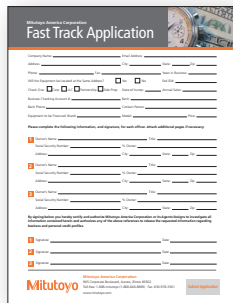
- TP-20 or TP-200 probe types are available
- Kits include: calibration ring/sphere, rack, probes & modules



Financing Available

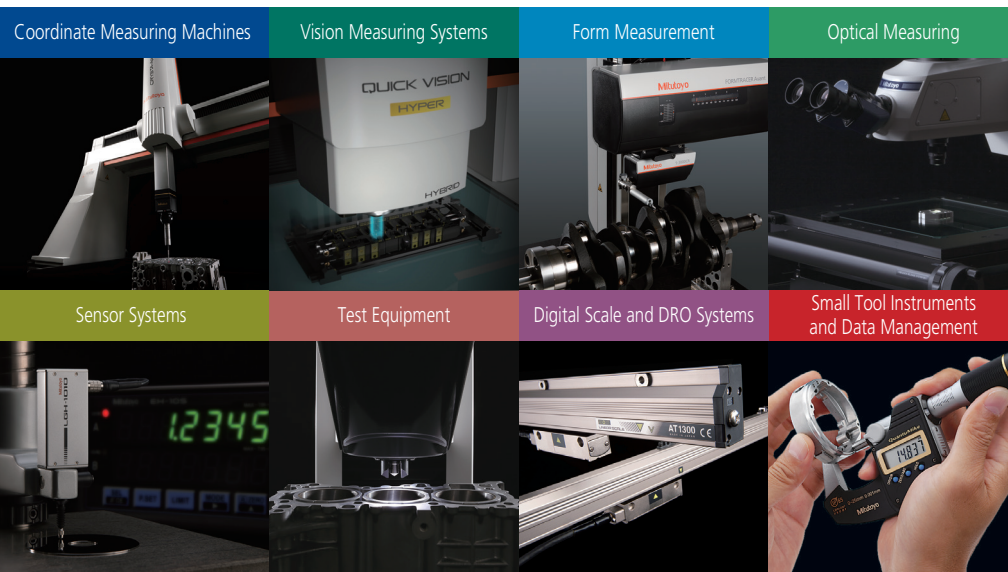
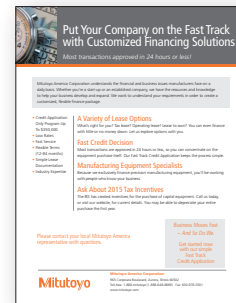
Mitutoyo America Corporation offers quick and simplified financing for purchasing measuring equipment. Financing is available for equipment purchases over \$20,000. Most transactions approved in 24 hours or less. Contact your local Mitutoyo Sales Representative for more information.

- ✓ Credit Application Only Program Up to \$350,000
- ✓ Low Rates
- ✓ Fast Service
- ✓ Flexible Terms (12-84 months)
- ✓ Simple Lease Documentation
- ✓ Variety of Lease Options



Offer financing on:

- ✓ Coordinate Measuring Machines
- ✓ Vision Measuring Systems
- ✓ Form Measuring Equipment
- ✓ Optical Measuring Equipment
- ✓ Automated Measuring Solutions
- ✓ Precision Measuring Instruments



Whatever your challenges are, Mitutoyo supports you from start to finish.

Mitutoyo is not only a manufacturer of top-quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed by comprehensive services that ensure your staff can make the very best use of the investment.

Apart from the basics of calibration and repair, Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test and deliver measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis.

My.Mitutoyo

Mitutoyo End User Portal

Search for products, request a product quote, take online metrology courses, and much more. **My.Mitutoyo.com** puts everything Mitutoyo directly in front of you.



Find additional product literature and our product catalog

www.mitutoyo.com

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

www.mitutoyo.com

One Number to Serve You Better

1-888-MITUTOYO (1-888-648-8869)

M³ Solution Centers:

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Mason, Ohio

Plymouth, Michigan

City of Industry, California

Renton, Washington

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