

Mitutoyo

Mitutoyo Quality

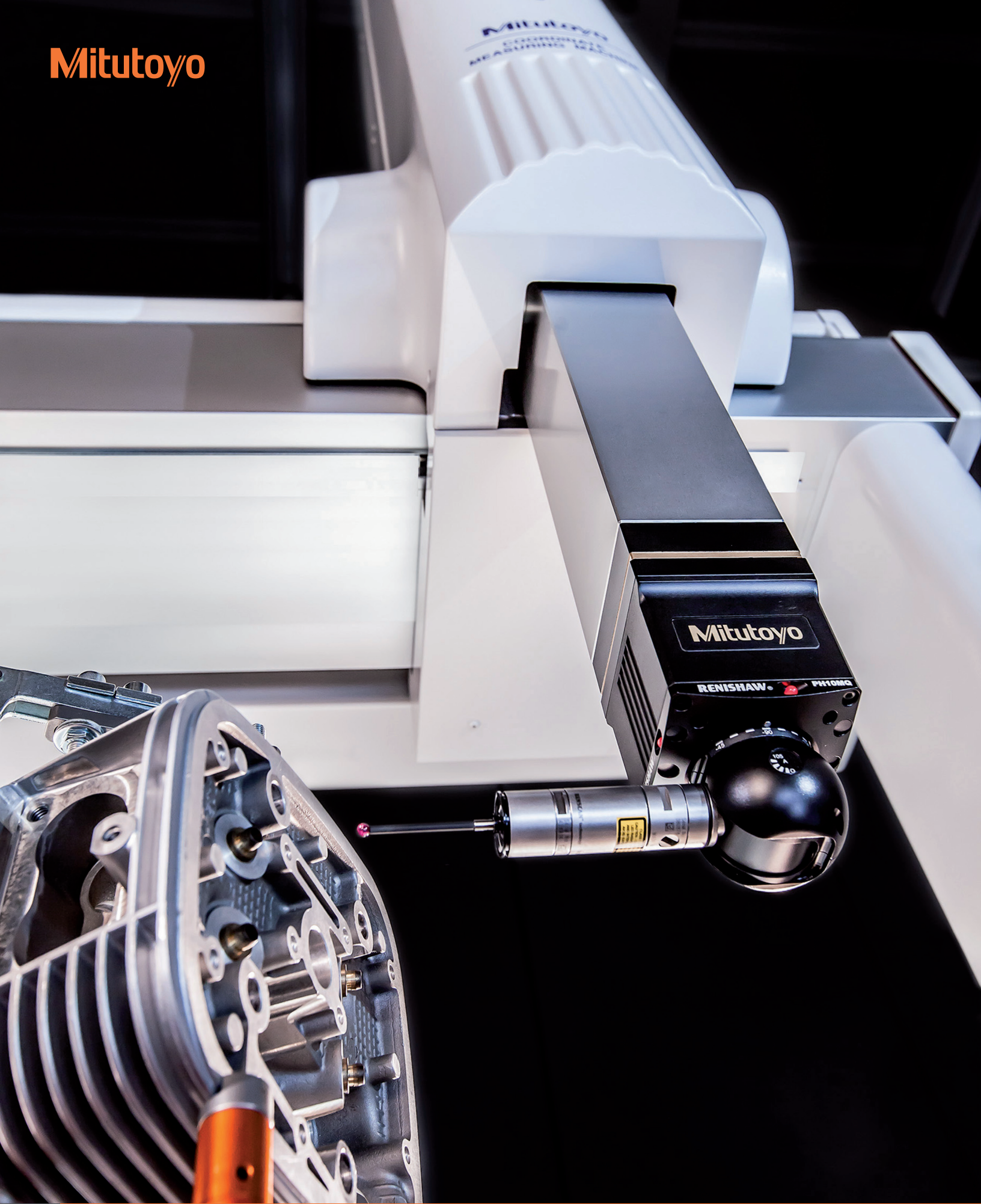
CNC CMM TRADE-IN TRADE-UP PROGRAM

LIMITED TIME OFFER

CMM TRADE-IN PROGRAM



Bulletin No. 2213(2)





Since 1968, Mitutoyo Corporation has been manufacturing coordinate measuring machines (CMMs). The AE100 series manual CMM was the first CMM to be featured in our U.S. catalog in 1976. Throughout the years, we have built tens of thousands of CMMs to serve a variety of industries around the globe.



Due to the success here in North America, some of our CMMs have been in operation for more than 20 years. We are proud of our high quality and product performance, however, we are equally proud of our continued development and advancements in CMM technology. Based on our dedication to accuracy, reliability, speed and enhanced sensor technology, we believe now is the time to upgrade to take advantage of these benefits.

To help the thousands of operators using Mitutoyo legacy CMMs, we are pleased to offer a U.S.-based trade-in program. When you trade in your old CMM and purchase a new Mitutoyo CNC CMM, you will receive the latest technology, ensuring reliable uptime, lower maintenance costs, improved accuracies, faster machine speeds and the latest digital technologies.

How the program works:

We want to see your old CMM. Contact your local Mitutoyo America sales representative or your local Mitutoyo CMM 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. Some older software is transferrable. If this applies, we will transfer your license and upgrade you to the latest version of MCOSMOS at no charge—saving thousands of dollars on your new purchase.
- ✓ Your old machine location and the new machine installation location. We will remove and ship your existing machine at no charge as long as it is at the same site.

Points to consider when trading in:

- ✓ Most new CRYSTA series CMMs purchased in 2016 are eligible for extended warranties and cost savings offered through the Mitutoyo Gold Care Program.
- ✓ New sensor technology will improve your measurements and overall throughput.
- ✓ CAD-enabled software greatly reduces programming time.
- ✓ Discuss with your distributor or Mitutoyo representative which of your accessories can be used on your new machine.
- ✓ Get a fresh start with all-new machine filters, air dryers, wiring, styli and fixturing.
- ✓ By replacing your current CMM with a new Mitutoyo CMM, you will realize significant overall cost savings.

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

Eligible CNC trade-in models:

- ✓ BN/BHN 300/500/700
- ✓ BN/BHN 1000 series and larger
- ✓ Bright/Bright-Apex 500/700/900
- ✓ Bright/Bright-Apex 1200 and larger
- ✓ CHN 1200/1600/2000
- ✓ KN 800
- ✓ Non-Mitutoyo up to 900x900 (XY)
- ✓ Non-Mitutoyo larger than 1000x1000 (XY)





Extended Warranty

Mitutoyo-built products are among the finest in the industry. With significant uptime and low failure rates, you can have confidence in your capital equipment investment. To reinforce our commitment to our customers, we are offering a total of 24 months parts and labor warranty on selected CMM units.

Two-Year Bronze Calibration Agreement

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, so as to provide the very best service to our customers. Field service agreements cover the following: one recalibration/check-up per year for the duration of the agreement; A2LA accredited calibration and certification; and all travel-related expenses are included with this agreement, such as hotel, meals, and local travel (airfare is not included). Field service calibrations include machine cleaning and inspection of all critical mechanics, along with linear, volumetric and repeatability tests.

Five-Year Software Technical Phone Support

If your machine goes down, you need answers fast. Mitutoyo leads the industry with responsive and knowledgeable technical phone support for every Gold Care CMM purchase. Our staff of highly-skilled engineers and technicians possess a wealth of knowledge on all Mitutoyo products and can provide detailed product information, answer your specific technical request and offer many types of application guidance.

MeasurLink Real-Time Professional Edition

Designed for customers who want to acquire and analyze data in real-time and use variable inspection to maximize production and minimize defects. It has functions that allow the user to create Parts, Characteristics (with nominal and tolerance) and Traceability lists. The data collection interface provides

real-time graphics for Run charts, Control charts, Histograms and Statistics. Standard views include Datasheet (observations and charts), Classic View (chart windows), and 2D view (part images with callouts that include charts and statistical data), along with a customizable Info view and additional Manager views. Full reporting template functionality and Data Export is also provided.

Eco-Fix Kit Fixture Systems

The Mitutoyo Eco-Fix Clamping System brings a new concept in time-saving and lower cost solutions for your modular CMM product workholding setups. This system is comprised of well-marked, color-coded components that are designed to simplify your part measurement requirements. Magnetic or threaded fastening points deliver fast, plug-and-play connectivity. First-time fixturing of jobs can be established and reconfigured in just a matter of minutes for quick turnaround for future part measurement. Or, as needed, a few fixtures can be built and stored to meet your common part measurement requirements.

Starter Stylus Kit

Mitutoyo Starter Stylus Kits enable you to develop probing solutions for applications on your CMM. Mitutoyo ruby-tipped probes offer the combination of performance and versatility for your hardest measurement applications due to overall hardness/low density design and ability to eliminate false triggers caused by CMM movement/vibration.

Dimensional Metrology Course Included

The Mitutoyo Institute of Metrology provides training and metrology seminars on topics ranging from basic principles of metrology to advanced QC studies. Our seminars are led by experienced, industry-leading professionals at locations across the United States. You can even arrange for a seminar to be held at your own facility. All courses are approved for CEU credits and include a certificate of attendance.

CMM Line-up

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



Crysta-Plus M
Manual-Floating Type
CMM



Crysta-Apex-S
High-Performance CNC CMM



STRATO-Apex
High-Accuracy CNC CMM
Moving bridge-type



Legex
Ultra High-Accuracy CNC CMM
Fixed-bridge type



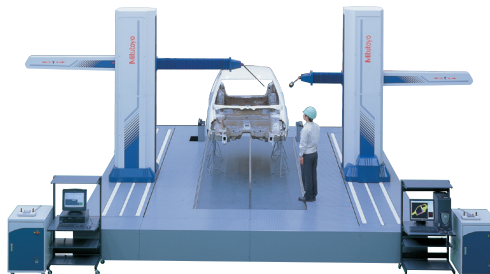
MACH Ko-ga-me
Agile Measuring System



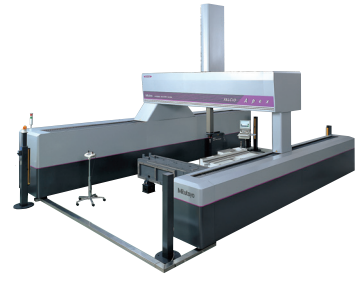
MACH-3A
In-line Horizontal Arm
CMM



MACH-V
In-line Type CNC CMM
Pre/Post Machining Feedback



CARBstrato/CARBapex
Horizontal Arm
Measuring Systems



FALCIO-Apex
High-Accuracy Large CNC CMM

CMM Model Specifications:

Mode	Measuring Range (X,Y,Z)		Accuracy (Up To)
	Starting From	Up To	
Crysta-Plus M	400x400x300	700x1000x600	(3.0+4.0L/1000)μm
CRYSTA-Apex S	500x400x400	2000x5000x1600	(1.7+3L/1000)μm
STRATO-Apex	700x700x600	1600x3000x1600	(0.7+2.5L/1000)μm
LEGEX	500x700x450	1200x1200x800	(0.28+L/1000)μm
MACH Ko-ga-me	80x80x40	120x120x80	(2.0+5L/1000)μm
MACH-3A	600x500x280	900x1000x600	(2.2+3.5L/1000)μm
MACH-V	600x500x280	900x1000x600	(2.5+3.5L/1000)μm
CARBstrato/CARBapex	6000x1600x2400	8000x3100x3000	15+20L/1000≤70μm (single Y)
FALCIO-Apex	2000x3000x1500	3000x5000x1500	(3.5+4L/1000)μm

Probes

SurfaceMeasure606T
(non-contact laser probe)



CMM SurfTest Probe
(surface roughness measuring)



QVP
(vision probe)



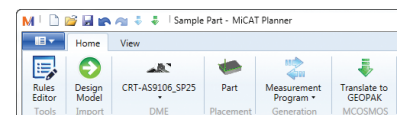
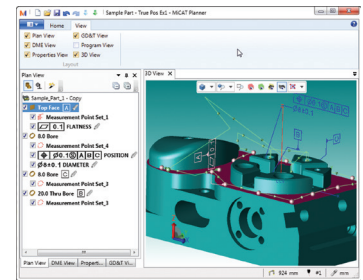
PH-20
(five axis touch trigger probe)



Software

MiCAT Planner

Automatic measurement program generation software that uses 3D CAD with Product & Manufacturing Information (PMI) to enable one-click automated generation of measurement programs. With this program, a complex program that previously would have taken five hours to complete manually now can be completed in 15 minutes.



MiCAT Planner toolbar is workflow based

Mitutoyo

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

The image shows a 'Fast Track Application' form from Mitutoyo. It includes fields for company name, address, phone, fax, email, and website. There are checkboxes for 'I am a new customer' and 'I am an existing customer'. The form also has sections for 'Equipment to be financed' and 'Financing terms'. At the bottom, there is a Mitutoyo logo and a note about the company's commitment to quality and service.

Offer financing on:

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

The image shows a brochure titled 'Put Your Company on the Fast Track with Customized Financing Solutions'. It highlights that most transactions are approved in 24 hours or less. The brochure lists various financing options, including 'A Variety of Lease Options', 'Fast Credit Decisions', and 'Manufacturing Equipment Specialists'. It also mentions 'Ask About 2015 Tax Incentives'. At the bottom, there is a Mitutoyo logo and a note about the company's commitment to quality and service.



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.



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:

Aurora, Illinois (Headquarters)

Boston, Massachusetts

Huntersville, North Carolina

Mason, Ohio

Plymouth, Michigan

City of Industry, California

Birmingham, Alabama

Renton, Washington

Houston, Texas