

MITUTOYO'S COMPLETE LINE OF MEASURING INSTRUMENTS AND METROLOGY SOLUTIONS

Coordinate Measuring Machines



Manual CMM - Bridge Type
Crysta PM 400/500/700 Series

CNC CMM - Bridge Type
CRYSTA-Apex S500/700/900/1200 Series
CRYSTA-Apex S1600/2000 Series
CNC CMM - High Accuracy

STRATO-Apex 500/700/900/1600 Series
FALCIO-Apex 1600/2000/3000 Series

CNC CMM - Ultra High Accuracy
Legex 600/700/900/1200 Series

CNC CMM - In-line Type
High-Speed
MACH Series

CNC CMM - Car Body Measuring Type
CarbStrato/CarbApex

MiCAT Planner Software

Probe Systems
Surftest
SurfaceMeasure

Vision Measuring Systems



2-D Manual Vision - Desktop
Quick Image QS-L

3-D CNC Vision - Desktop
Quick Scope QS-250

3-D CNC Vision-Standard
Quick Vision Elf

3-D CNC Vision High-Speed
Quick Vision Stream Plus

3-D CNC Vision - Standard
Quick Vision Apex

3-D CNC Vision - Moving Bridge Type
Quick Vision Accel

3-D CNC Vision High-Accuracy
Hyper QV
UMAP

3-D CNC Vision Ultra High-Accuracy
Ultra QV
UMAP

PFF (Points from Focus)

QV PAK Software and Accessories

Form Measurement



Surface Roughness Testers

SJ-210 Series
SJ-310 Series
SJ-410 Series
SJ-500/P Series
SV-2100/3200 Series
SV-3000/SV-M3000 CNC Series

Surface Roughness /Contour Measuring Systems

SV-C3200/4500 Series
SV-C4500 CNC Series

Form Measuring Instruments (Formtracer)

CS-3200 Series
CS-5000/CS-H5000 CNC Series

Roundness Measuring Instruments (Roundtest)

RA-120/120P Series
RA-1600/M Series
RA-2200AS/DS/AH/DH Series
RA-2200CNC/RA-H5200CNC Series

Contour Measuring Instruments (Contracer)

CV-2100 Series
CV-3200/4500 Series

Optical Measurement



Vertical Profile Projectors

PJ-A3000 Series
PJ-H30 Series
PV-5110 Series
PH-A14 Series
PH-3515F Series

Toolmaker's Microscopes

TM-505/1005 Series

Measuring Microscopes

MF Series
MF-U Series
Microscope Accessories
QM Data 200
Vision Unit
QSPAK Software

High Power Inspection Microscopes

FS-70 Series
VMU
Wide VMU
Eyepieces, Objectives

Stereo Microscopes

MSM-400 Series
Magnifiers, Pocket Comparators, Loupes

Sensor Systems



Linear Gages

Linear Gage LGB
Linear Gage LGK
Linear Gage LGF
Linear Gage LGF-Z
Linear Gage LGD
Linear Gage LGS
Laser Hologage LGH
Laser Hologage
Long Stroke Linear Gage LG/LGM

Linear Gage Counters

EC Counter
EB Counter
EG Counter
EH Counter
EV Counter
D-EV Display Unit
SENSORPAK
Litematic and Litematic Head

Laser Scan Micrometers

LSM-9506
LSM-902/6900
LSM-5005
LSM-501S
LSM-503S
LSM-506S
LSM-512S
LSM-516S

Laser Scan Micrometers Display Units

LSM-5200 Display Unit
LSM-6200 Display Unit

Laser Scan Micrometers Accessories

Test Equipment



Portable Hardness Testing Machines

Hardmatic HH-411 Series
Hardmatic HH-300 Series

Rockwell Hardness Testing Machines

HR521/523 Series
HR320, HR430 Series

Macro Vickers

HV110/120 Type A, B and D

Micro Vickers

HM210/220 Type A, B and D
MZT 500 Series

Hardness Tester Accessories

Digital Scales and DRO Systems



Digimatic Scale Units

ABSOLUTE Digimatic Scale Units
EC Counter
ABSOLUTE Coolant Proof Digimatic Scale Units
ABSOLUTE Digimatic Scale Units
Quill Kit with ABSOLUTE Encoder
KA Counter Milling System

Linear Scales

AT203 Linear Scales
AT211A/AT211B Linear Scales
ST700/ST700L Series Linear Scales
ST24/ST44 Linear Scales
ST36 Linear Scales
ST46 EZA Linear Scales
ST-F11 Fiber Scale

Counters

KA-200 Counter
KLD Counter
PSU-200

Image Correlation Encoder

MICSYS-SA1 2-D

Small Tool Instruments and Data Management



Small Tool Instruments

Digimatic Micrometers
QuantuMike
MDH -25M Micrometers
Quickmike
Outside Micrometers
Micrometer Heads
Holtstests
Inside Micrometers
Bore Gages
Digimatic Calipers
Dial Caliper
Vernier Calipers
Digimatic Height Gages
Linear Height Gages
Digimatic Depth Gages
Vernier Depth Gages
Dial Depth Gages
Gage Blocks
Height Masters
Reference Gages

Granite Surface Plates
Digimatic Indicators
Digimatic Solar Indicators
Dial Indicators
Stands

Data Management (SPC)

MeasurLink Software
U-Wave
Input Tools
Multiplexers - MIG-4USB,
MIG-8USB
Gage Selector 3
EC Counter
DP-1VR Miniprocessor
SPC Connecting Cables

Mitutoyo



TRACEABILITY / VERIFICATION

High accuracy, low uncertainty and validated measurement methods are the reasons customers rely on Mitutoyo America Corporation. We go to great lengths to ensure that our reference standards and measurements are traceable through our nation's highest measurement institute, the National Institute of Standards and Technology (NIST), headquartered just outside Washington, DC.

Traceability requires the establishment of an unbroken chain of comparisons to references. At the Mitutoyo America Calibration Laboratory, our master gage blocks are directly compared against the master gage blocks at NIST on a regular interval. The result is reference gage blocks calibrated just "one step removed" from NIST – providing the Mitutoyo America Calibration Lab with the highest reliability and lowest possible measurement uncertainty in our reference standards.

And while Mitutoyo America Corporation is at the forefront in application of today's metrology best practices, we don't stop there. We are committed to the research and development of tomorrow's standards as well. We are an active leader in national and international metrology standards and a strong supporter of various metrology societies and educational institutions around the country.

- ASME B89, the U.S. dimensional metrology standards writing committee
- ASME B46, the U.S. surface texture standards writing committee
- ISO/TC 213, the international standards writing committee for geometric product specifications
- NCSL International, the leading society committed to excellence in measurement science
- Center for Precision Metrology, University of North Carolina at Charlotte
- Mitutoyo Metrology Laboratory, Northern Illinois University

SUPPORT SERVICES

At Mitutoyo America Corporation, we know your business demands more than quality metrology products. You need a partner with the resources to provide support and add value that contributes to your success.

FIELD SERVICE

Mitutoyo America Corporation boasts one of the most comprehensive A2LA-accredited field service groups in the United States. Factory-trained service technicians are strategically located throughout the country to ensure quick response times for installation, calibration and repair.

REPAIR/PARTS FACILITIES

Two state-of-art repair facilities offer quality repairs with quick turnaround. We have an inventory of thousands of replacement parts in each repair center. Our goal is to keep your Mitutoyo tools and instruments in optimal working condition.

PRODUCT TRAINING AND SUPPORT

Once the product is delivered, our support continues. Mitutoyo America Corporation has training centers located throughout the country offering training sessions on a regular basis. We also offer on-site training for those unable to visit our facilities. An extensive knowledgebase has been built and is maintained with past and present information to help our customers. Phone and email support allow customers to reach us in a manner that is convenient for them.

TECHNICAL SUPPORT

For the most complex challenges, we have high-level technical experts ready to provide additional support.

SALES SOLUTIONS/ SYSTEM DESIGN & INTEGRATION

Standard products alone cannot always solve your measuring challenges. That is why we established an engineering group to provide custom solutions. Whether you need fixturing or the integration of the latest metrology equipment into an automated cell, the Sales Solutions Group can customize a solution that's right for your needs.

Whatever the level of complexity for application and integration of measurement technologies – proven or newly emerging – you can count on the Sales Solutions Group to develop a plan to improve your process capability, productivity and bottom line.



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.
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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.

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