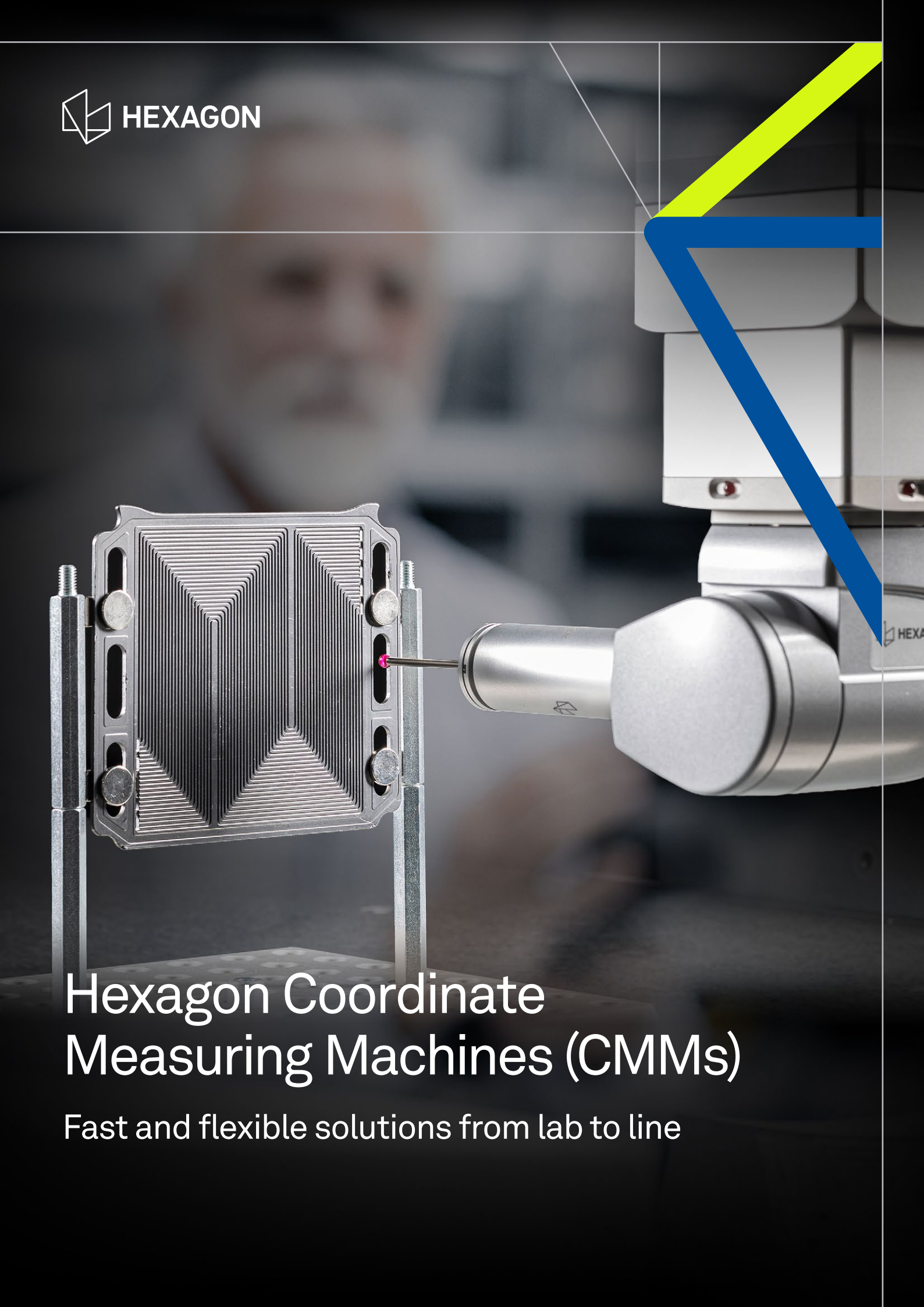
HEXAGON



Hexagon Coordinate Measuring Machines (CMMs)

Fast and flexible solutions from lab to line



Bridge CMMs



Ultra-high accuracy CMMs



Optical CMMs



Shop floor CMMs



Gantry CMMs



Horizontal arm CMMs

Quality-driven performance

Modern solutions for intelligent production

Manufacturers operate in fast, complex environments. Finding efficiencies, driving productivity, and delivering consistently high-quality products are what you do best. Quality inspection should support this, not slow it down. **Your CMM is a strategic asset.**

Today's CMMs have evolved from passive, standalone inspection tools into active, intelligent, and integrated parts of the production ecosystem. Advances in measurement capability, speed, automation, and data connectivity within Industry 4.0 standards have made inspection a key performance driver in manufacturing.

Whether it's in aerospace or defence, medical devices, automotive, electronics, or general manufacturing, market-leading production lines have embraced proactive quality assurance.

Taking that step has never been easier.

Whether it's in the lab or near the production line, Hexagon CMMs deliver unmatched speed, ease-of-use, versatility, and insights, so you can connect data to decision-making.

Start building the factory of the future with Hexagon.

The Hexagon advantage

Solve any measurement challenge

No two production lines are the same. With the broadest selection of CMM solutions available on the market, leading software, a versatile range of sensors and accessories, automation, and unified integration capabilities, Hexagon can rise to any challenge.



Bridge CMMs



Ultra-high accuracy CMMs



Optical CMMs



Shop floor CMMs



Gantry CMMs



Horizontal arm CMMs

Drive long-term value, lower costs, and reach new levels of speed and efficiency with Hexagon solutions that deliver:

Accuracy and performance

Prove your quality with traceable, standards-compliant accuracy that holds up under real-world production conditions.

Seamless automation

Integrate with automation systems for faster cycle times, lights-out operation, and a smarter, more efficient workflow.

Rapid throughput

Achieve new levels of production with the fastest measurement machines on the market.

Universal flexibility

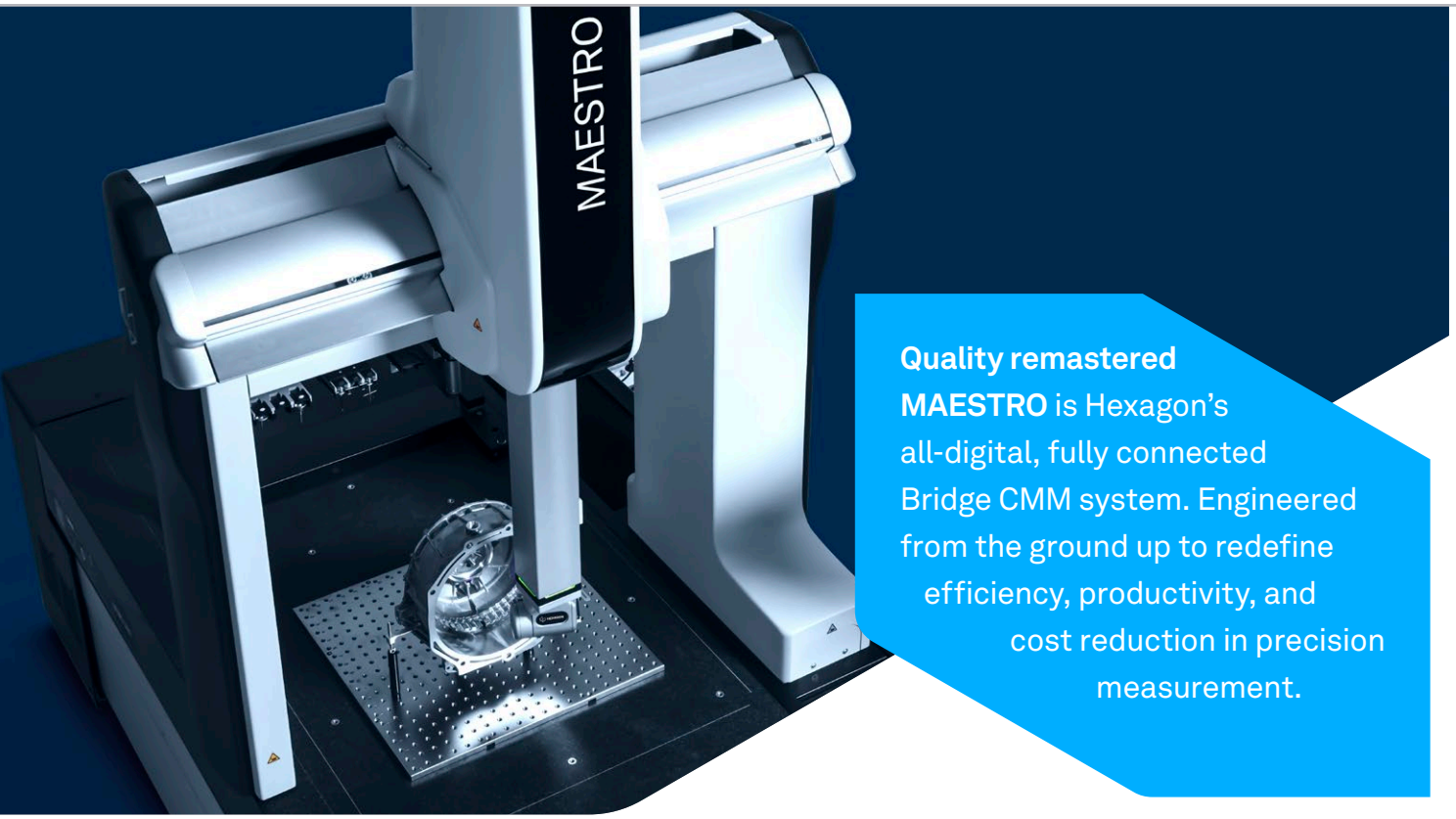
Inspect any part, material, or geometry on a single, future-proofed platform that works with your production line.

Leading software

The industry standard for flexible, intuitive, and easy-to-use software, for all your measurement needs.

Unmatched support

Our global service network provides a lifetime of local support and expertise.



Quality remastered MAESTRO is Hexagon's all-digital, fully connected Bridge CMM system. Engineered from the ground up to redefine efficiency, productivity, and cost reduction in precision measurement.

SPEED

MAESTRO leads with end-to-end speed, from setup to results.

SIMPLICITY

Intuitive displays, guided workflows, and adaptive controls.

CONNECTIVITY

Integrate with automation systems and synchronise with digital twins.

FUTURE-PROOFED

Upgrade performance, add sensors, and expand capabilities.

FLEXIBILITY

Measure anything, from simple geometries to complex components.

REMOTE ACCESS

Cloud-based software provides remote controls and support

MAESTRO delivers fast, industry-leading accuracy

Achieve absolute confidence in your measurements

Best-in-class machine dynamics

- 6500 mm/s^2 3D acceleration
- 1100 mm/s 3D travel speed

Digital platform

- Self aware system mitigates risks
- Reduced setup times

Uncompromising accuracy

- $E_{0,MPE}$ = 1.2 µm + L/350

Bridge CMMs

The most versatile platform for quality control

Led by MAESTRO, Hexagon's Bridge CMMs deliver uncompromising precision across the widest range of applications. From entry-level CMMs to high-performance



GLOBAL

Fast, versatile, scalable - the performance workhorse for the widest range of applications.



Leitz Reference

Measurement of tight toleranced parts with high accuracy and application adaptability.



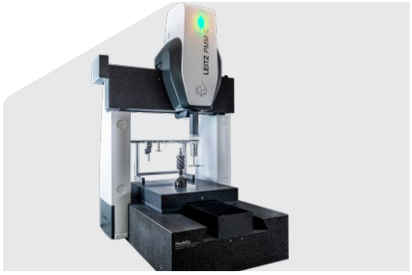
Entry-level Bridge CMMs

Cost-effective and scalable CMMs for reliable inspection of everyday production.

Ultra-high accuracy CMMs

Maximum precision

Premium metrology devices that ensure product quality remains consistently at the highest level, for even the most complex parts. Delivering exceptional accuracy, improved flexibility, and enhanced software tools.



Leitz PMM-C

The performance standard for ultra-high accuracy inspection: Maximum measurement confidence, exceptional stability, and consistent results.



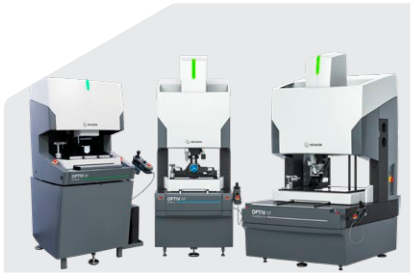
Leitz Infinity

The premium ultra-high accuracy CMM. Exceptional accuracy for the most demanding inspection tasks. Hexagon's most accurate CMM.

Optical CMMs

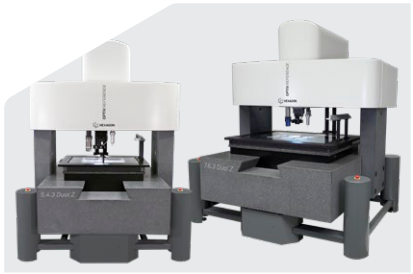
Tackle every metrology challenge with confidence

Master any measurement, on any part. From micro-features to complex assemblies, Hexagon's Optical CMMs deliver fast, non-contact vision measuring, multisensor versatility, automated measuring processes, and real-time connected data.



OPTIV M

Modular all-in-one solutions. The gold standard in 3D multisensor measurements.



OPTIV Reference

Superior 3D multisensor measurement performance with sub-micron accuracy.



VISIUS*

Cost-effective, easy to use fast vision measuring and ISO 10360 compliance.

Shop floor CMMs

Bring quality control to the production line

Advanced thermal compensation, air-free movement, covered guideways, and built-in vibration resistance guarantee lab-grade measurements in harsh conditions. Connect effortlessly with robotics and automated cells for continuous, lights-out quality control.



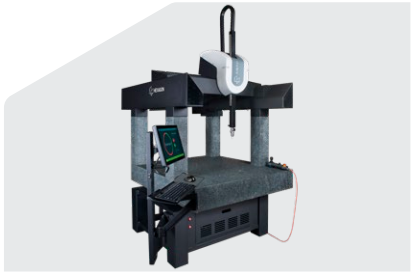
TIGO SF

The most accessible shop floor CMM for tight spaces and automation cells.



4.5.4 SF*

Mobile shop floor CMM that easily relocates to where needed.



7.10.7 SF*

The largest-capacity shop floor CMM with the broadest sensor portfolio, including laser scanning

* Only available in select regions. Contact Hexagon for more information.

Gantry CMMs

Master the inspection of your largest and most complex parts

The largest CMMs, providing large-scale performance. With superior volumetric accuracy and robust construction, Gantry CMMs are designed to handle the most demanding measurement applications on large-sized components across many industries.



Leitz PMM-G

The world's largest high-accuracy CMM and gear inspection system.



DELTA OPERA

Combining half-bridge and half-gantry open structures.



ALPHA 2.0

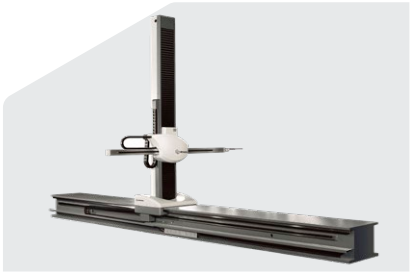
Flexible gantry measurement, designed without central pillars.

Also available: DELTA SLANT, LAMBDA SP, and Leitz PMM-F models

Horizontal arm CMMs

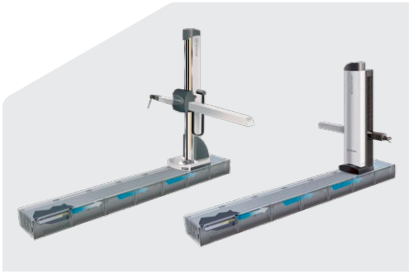
Streamlined measurement for sheet metal parts

Large-volume component inspectors, ideal for sheet metal, body-in-white, and other large, thin-walled structure measurements. Available in single- or dual-arm configurations, they provide excellent access and reach.



TORO HP

Combining flexibility, programmability, easy-of-use, speed and cost effective.



BRAVO HD | BRAVO HP

Heavy-duty, technically advanced with wide sensor selection.

Sensors and accessories

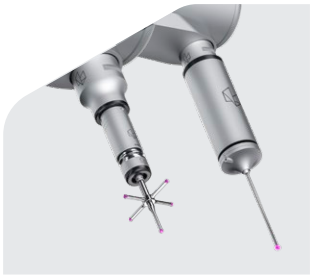
Enhanced measurement

From high-speed laser scanners to tactile probes and advanced optical sensors, our breadth of proprietary technology ensures you always have the right tool for the job.



Probe heads

- Manual probe heads
- Automatic indexing probe heads
- Continuous probe heads
- Fixed probe heads



Tactile probes

- Touch trigger probes
- Scanning probes



Non-contact sensors

- Laser scanning sensors
- Vision sensors
- White light sensors
- Interferometric sensors



Accessories

- Styli, shafts and adaptors
- Probe changer racks
- Calibration kits
- Fixturing kits

Integrated automation

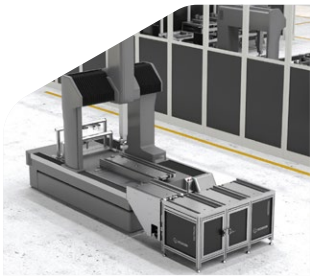
Drive maximum efficiency

CMMs don't operate in isolation – they're a vital part of a much broader manufacturing workflow. Combined with automated solutions, they create smart interconnected systems that drive productivity and quality.



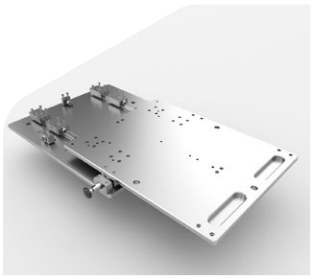
Fully-automated loading solutions

METRICAL and TEMPO enable autonomous, lights-out measurement with minimal operator intervention.



Semi-automated loading solutions

Shuttle systems, trolleys, and storage stations reduce handling and keep measurement in motion.



Manual loading solutions

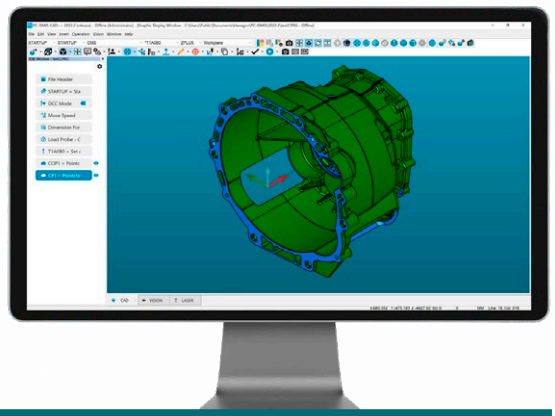
Cantilever and kinematic base plates for pre-mounted, repeatable loading.



Enclosures and housing

Cost-effective protection for CMMs outside of lab environment.

Leading software



Customisable solutions for every skill level

As the largest software developer in the metrology industry, Hexagon offers a wide range of customisable software packages that deliver intelligent and effective data acquisition, analysis, and evaluation, as well as powerful data management and reporting tools.

Fully integrated with Hexagon hardware

Seamless performance between software and Hexagon's extensive range of CMMs.

Ease of use and user-friendly interfaces

Intuitive UIs, and customisable workflows streamline operation for both new and experienced users.

Comprehensive tools for any application

Handle a wide range of inspection tasks - from dimensional measurements to internal structural analysis.

Data-driven insights for smarter manufacturing

Collect, analyse, and visualise data in real-time for faster decision making.

Hexagon software solutions

PC-DMIS

Hexagon's universal metrology software. Providing a complete suite of programming capabilities, PC-DMIS can be used on almost any measurement system.

- Streamlined workflows
- Faster inspection routines
- Analysis and insights

QUINDOS

Expert measurement of regular, freeform, and special geometries with maximum accuracy and traceability for the most demanding metrology projects.

- Modular flexibility
- Highly programmable
- CAD at its core

Metus

Ready for use with Hexagon's VISIUS range of Optical CMMs, Metus offers convenient tools for simple, non-contact inspection of high-volume parts with similar shapes.

- Minimal learning curve
- Streamlined measurement operations
- Integrated programming with CAD data

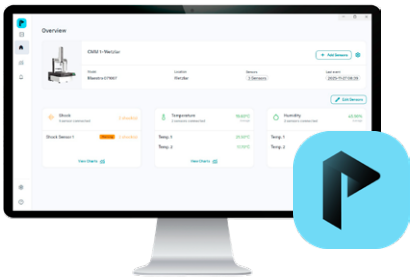
Smart condition monitoring for measuring machines

APOLLO



APOLLO provides real-time, centralised visibility of the status and utilisation of your measuring machines. It reads built-in machine and sensor data such as temperatures, operating states and collisions to help detect critical deviations early, keep machines within specification, and ensure reliable measurement quality. By linking measurement results with machine and sensor conditions, APOLLO enables full traceability for every measurement and can provide structured data to third-party software.

PULSE



PULSE extends condition monitoring on individual CMMs with retrofittable sensors for temperature, humidity, vibration and collisions. It helps reduce the risk of unnoticed events affecting measurement quality.
Connected with APOLLO, PULSE sensor data can be integrated into a central overview across multiple machines.

Aftercare and support

Local teams delivering world-class support and service



Hexagon guarantees comprehensive after-sales support and services across the globe. Our international presence means you can rely on locally delivered solutions, with the largest dedicated service team of any metrology equipment manufacturer.

MyCare

MyCare is Hexagon's service subscription offering that keeps your metrology system performing at its best. Simplify equipment maintenance and keep it performing to the highest standards with cost-effective support throughout its lifetime.

Greener metrology

Save air, save energy

Sustainability is a powerful efficiency driver. Lowering energy consumption can significantly reduce operating costs and improve ROI. That's why we're focused on delivering solutions that help you achieve your global sustainability goals, including Eco Mode and Eco Mode+.

Machine overview

	Length measurement error* A	Length measurement error* B	Length measurement error* C	Measurement volume min ... max	
Leitz Reference	0,7 – 1,7 µm			500 x 400 x 300 ... 4000 x 1200 x 970 mm	Bridge
MAESTRO		1,2 – 1,5 µm		500 x 700 x 500 ... 900 x 2000 x 800 mm	
GLOBAL		1,2 – 3,3 µm		500 x 500 x 500 ... 2000 x 4000 x 1500 mm	
GLORY		1,6 – 4,1 µm		400 x 500 x 400 ... 1500 x 3000 x 1200 mm	
GLOBAL Lite		1,9 – 2,7 µm		700 x 700 x 500 ... 1200 x 3000 x 1000 mm	
TIGO SF		2,2 – 2,6 µm		500 x 580 x 500 mm	Shop Floor
SF 4.5.4		3,1 µm		355 x 514 x 353 mm	
SF 7.10.7		3,5µm		710 x 1010 x 680 mm	
Leitz Infinity	0,3 µm			1200 x 1000 x 700 mm	Ultra-high accuracy
Leitz PMM-C	0,28 – 2,0 µm			700 x 700 x 500 ... 2400 x 1600 x 1000 mm	
OPTIV Reference	1,3 µm			530 x 400 x 300 ... 730 x 600 x 300 mm	Optical
OPTIV M		1,9 – 2,9 µm		300 x 200 x 200 ... 610 x 610 x 405 mm	
VISIUS		2,5 – 3,0 µm		300 x 200 x 200 ... 500 x 400 x 200 mm	
Leitz PMM-F		1,7 – 2,6 µm		3000 x 2000 x 1000 ... 3000 x 2000 x 1600 mm	Gantry
Leitz PMM-G		2,0 – 5,2 µm		3000 x 2000 x 1200 ... 7000 x 4000 x 3000 mm	
DELTA SLANT		3,5 – 6,9 µm		2500 x 3300 x 2000 ... 4000 x 8000 x 3000 mm	
DELTA OPERA		3,2 – 7,0 µm		2000 x 5100 x 1500 ... 4000 x 10000 x 2500 mm	
ALPHA 2.0		3,5 – 10 µm		2000 x 3300 x 1000 ... 2500 x 5000 x 1800 mm	
LAMBDA SP			5,5 – 18 µm	4000 x 5100 x 2500 ... 6000 x 10000 x 4000 mm	
TORO HP			16 – 39 µm	4000 x 1600 x 2100 ... 7000 x 1600 x 3000 mm	Horizontal arm
BRAVO			15 – 50 µm	4000 x 1600 x 2100 ... 9000 x 1600 x 3000 mm	
MERCURY FX			15 – 55 µm	2000 x 1200 x 1200 ... 24000 x 2000 x 3000 mm	








* Base accuracy, independent of measured length. Applies for standard reference temperature 20 °C. Enhanced "Sweet Spot" specifications available for select models are not considered. See product data sheets for details.

A High-accuracy CMMs — Lowest uncertainties for precision parts
B Standard-accuracy CMMs — Speed and precision for routine quality inspection
C Typical accuracy for large parts — Reliable precision over large measuring ranges



Hexagon is the global leader in measurement technologies. We provide the confidence that vital industries rely on to build, navigate, and innovate. From microns to Mars, our solutions ensure productivity, quality, safety, and sustainability in everything from manufacturing and construction to mining and autonomous systems.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,800 employees in 50 countries and net sales of approximately 5.4bn EUR.

Learn more at hexagon.com

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