

# **GLOBAL Lite**

Quality performance at the right price





GLOBAL LITE





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## Invest Small, Save Big

Demand for increasing product quality continues to grow. To meet this demand and remain competitive, manufacturers are replacing manual inspection methods with automated measurement solutions that can continually adapt to their changing quality requirements.

GLOBAL Lite is a coordinate measuring machine (CMM) that combines reliable, accurate dimensional inspection with cost reduction throughout the quality process. Readily adaptable with a range of Hexagon solutions, this future-ready CMM is designed to grow with your organisation, helping you meet new challenges and capitalise on emerging opportunities.

Offering certified quality free from human error, GLOBAL Lite cuts the risk of rejected parts and reduces scrap. Cycle times are enhanced and labour costs are reduced as operators can complete work away from the CMM while routines run automatically.

Although designed for smaller budgets, GLOBAL Lite goes beyond the essentials of quality assurance to push your inspection productivity further, with optimised accuracy, dynamics, and robustness.

# The exclusive design behind thousands of CMMs

From the construction materials used, to machining and assembly, GLOBAL Lite has been crafted to give you stable and repeatable results.

GLOBAL Lite is built on the Hexagon expertise that has driven CMM innovation from the technology's beginnings to the present day. Bringing together elements of Hexagon's most successful advancements, GLOBAL Lite uses a range of innovative technologies to deliver maximum inspection efficiency and confidence.

Innovative feature	Benefits
TRICISION design on the X beam with triangular cross section	Optimum stiff-to-mass ratio for greater precision, long-term stability and higher dynamics. Lower centre of gravity and lighter weight than a conventional bridge CMM
Dovetail guideways precision-machined in granite	Enhanced accuracy and repeatability
Y-axis rail embedded in the granite table	Full access to the measuring volume
Eco Mode	Automatically power down your CMM when idle while keeping the machine ready to go to support both sustainability and productivity goals

GLOBAL Lite's multi-probing capabilities supports a wide range of applications. High-precision, self-cleaning air bearings enable smooth axis movement, reducing wear on the guideways and maximising long-term performance. The one-piece granite table construction helps resist vibrations, and remote mounted drive motors reduce moving mass for faster setting, dissipating heat away from the machine frame.

In addition to these unique Hexagon technologies, GLOBAL Lite is compatible with a full range of Hexagon solutions so the machine can continually evolve in line with your application requirements.









# Always adaptable to your measurement needs

GLOBAL Lite is compatible with a range of Hexagon probes and heads, enabling users to flexibly select the best tool for a particular application.

## **Speed and repeatability**

Touch trigger probes are characterised by ease-of use, durability, and relative affordability. Their robustness makes them suited for use in harsh industrial environments. Alternatively, users can optimise inspection capacity with scanning probes, capturing hundreds of data points per second.





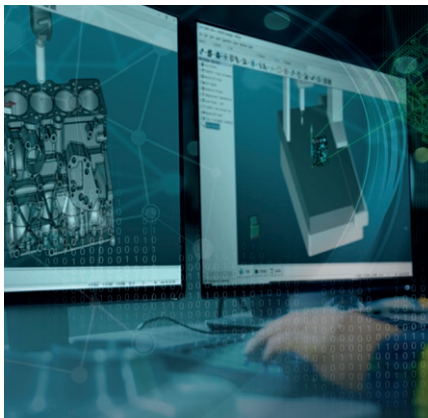
## **Precision and flexibility**

Choosing the right probe head for an application is essential for manufacturing productivity. Characterised for maximum versatility, indexing probe head models are available with different levels of indexing increments, offering the most suitable positioning for accessibility to the measuring parts and flexible measurement capabilities.

Indexing heads support both touch-trigger and scanning probes. As an alternative for less demanding applications or tighter budgets, either touch-trigger or scanning probes can be delivered as fixed mount configurations.

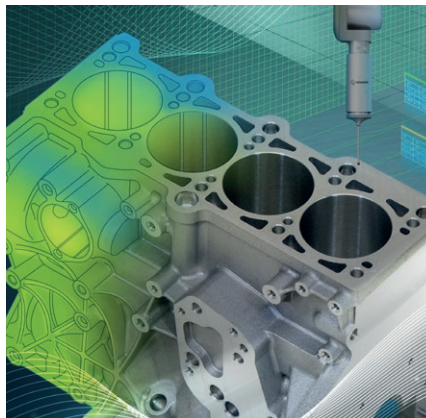
# PC-DMIS: measurement made simple, efficient and effective

GLOBAL Lite comes equipped with the world's leading metrology software. Beyond use on GLOBAL Lite, PC-DMIS can also be used on other Hexagon CMMs and products such as portable measuring arms, laser tracker systems, multisensor and optical CMMs. Combining sophisticated algorithms with usability, PC-DMIS enables users to create and execute measurement routines easily. The software's reporting capabilities and compatibility with third-party measuring software enhances communication of results and user experience for smarter decision-making.



## Create measurement routines to efficiently capture quality data for manufacturing

PC-DMIS enables quality engineers and metrology specialists to create sophisticated measurement routines before the part has been manufactured and without occupying the CMM.



## Select and execute measurement routines faster than ever before

Through a simplified user interface in PC-DMIS, machine operators can quickly select and execute the right routine for any metrology equipment.



## Easily communicate findings with other departments and collaborate on decisions

With customisable reports, cloud-based notifications and mobile alerts, PC-DMIS delivers measurement results to everyone who needs them, when they need them.



# Taking the complexity out of measurement inspection

Inspect is a standalone application that helps production-level CMM operators execute PC-DMIS measurement routines using a standard, simple graphical interface.

Inspect is designed to be simple to configure from the administrator level and even simpler to use from the operator level. It allows users to choose a routine from a list and run even the most complex PC-DMIS inspections without ever having to launch PC-DMIS. When the part program execution is complete, a simple chart graphically summarises the measurement outcome.



# Break down departmental silos with data

When data is transformed into actionable insights, CMM users and quality managers have the information they need to quickly and confidently maximise machine uptime, enhance processes, and drive productivity. Reported simply and in real time, this information can be communicated efficiently to stakeholders throughout the manufacturing process. This reduces operational siloes and drives smarter decision-making by ensuring the right person has the right information at the right time.

## HxGN SFx | Asset Management

HxGN SFx | Asset Management delivers real-time information about CMM status and performance in a centralised dashboard, accessible anywhere from a PC, smartphone, or tablet. Aggregated data can be used to identify sources of downtime and schedule maintenance before problems occur, saving time and cutting costs.

The free LITE version is ideal for manufacturers beginning their Industry 4.0 journey, while the PRO version offers additional support for manufacturers with expanding application and capacity demands.



**Customisable notifications.** Instant alerts ensure operators can monitor machines running unattended.



**Cloud-ready.** Access information securely from any location.



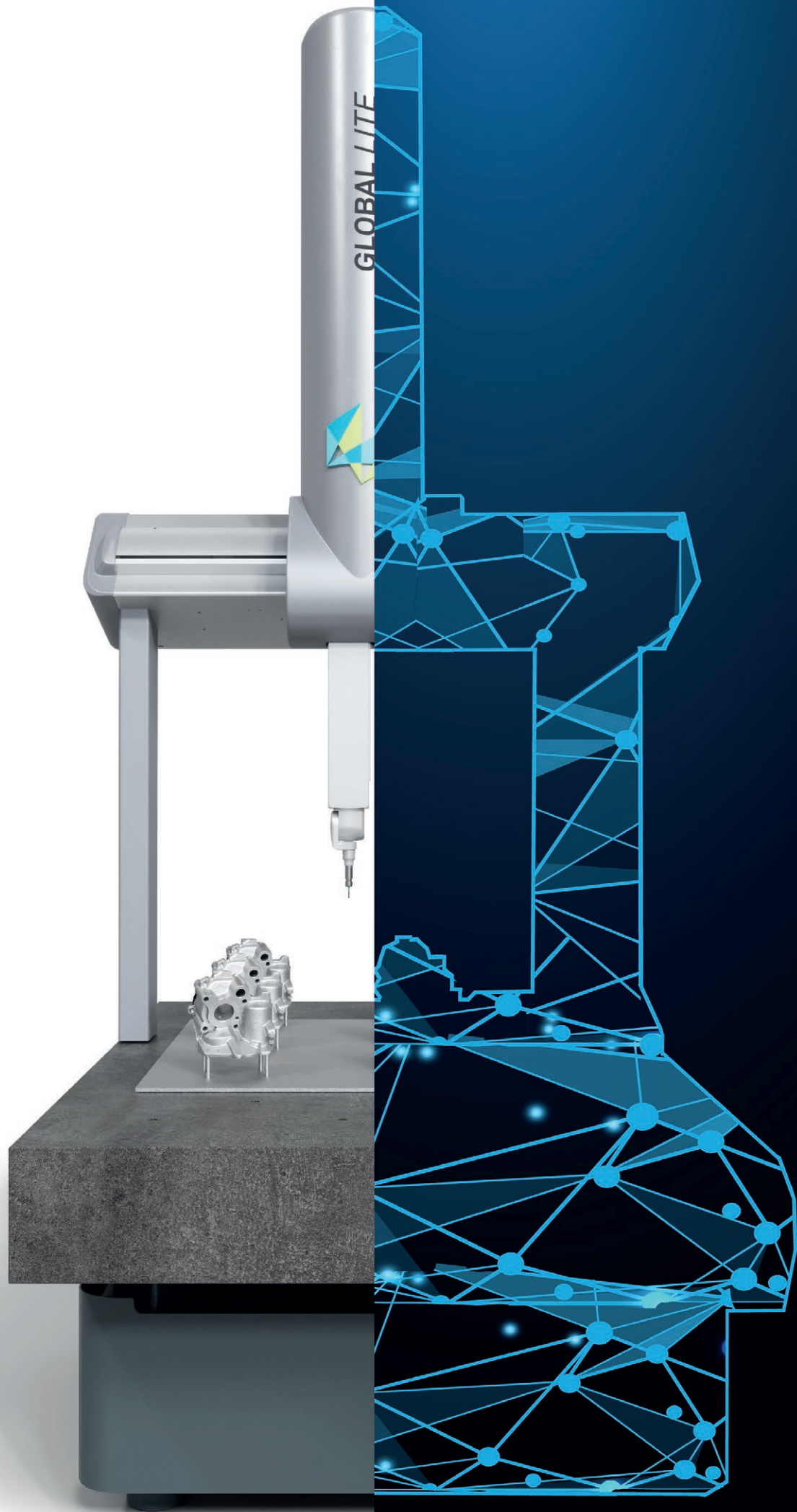
**Efficiency.** Identify and rectify measurement bottlenecks.



**Uptime.** Anticipate problems and optimise overall equipment effectiveness.



**Utilisation.** Identify spare measurement capacity, allocate tasks effectively, and schedule more efficiently.





Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Manufacturing Intelligence division provides solutions that utilise data from design and engineering, production and metrology to make manufacturing smarter. For more information, visit [hexagonmi.com](https://hexagonmi.com).

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