

DELTA OPERA

Combining the best of gantry and bridge-type CMMs





A new era of CMM excellence

DELTA OPERA is the product of decade after decade of coordinate measuring machine (CMM) excellence. In the 1960s, the DEA gantry machines pioneered unprecedented levels of inspection accuracy, speed, and capabilities for manufacturers around the world by bringing to market the first generation of CMM. DELTA OPERA draws on this tradition of innovation to deliver the next stage of CMM evolution.

With its unique half-bridge and half-gantry open structure, DELTA OPERA delivers unparalleled levels of part loading efficiency and accessibility for maximised productivity. As well as making part loading simpler and safer, DELTA OPERA offers the fast and high precision measurement needed to save time in your inspection and production cycles.



An outstanding, quality performance

With its innovative open structure, high accuracy performance and speed, DELTA OPERA is the perfect solution for large-volume inspection requirements. The CMM's design, construction and enhanced features all contribute to maximised measurement efficiency on an unparalleled scale.

CMM speed and status lighting indicators enable real-time, informed decision-making

Unique open structure offers greater part visibility, which can be enhanced with optional LED lighting strip

The innovative structure offers a smaller footprint than equivalent traditional gantry CMMs

Standard sizes (mm)
X from 2000 to 4000
Y from 5100 to 10000
Z from 1500 to 2500
Customisable sizes on request

Flush-floor installation makes loading/unloading extra efficient



Ideal for the measurement of large parts in aerospace, automotive, power energy and general machinery industry sectors.



Maximise measurement versatility with the Manual Application Changer (MAC)

Load parts from the front, rear and side of the machine for maximum loading and programming flexibility

The only gantry-sized CMM that offers the wide thermal range of 16-26°C for shop floor environments

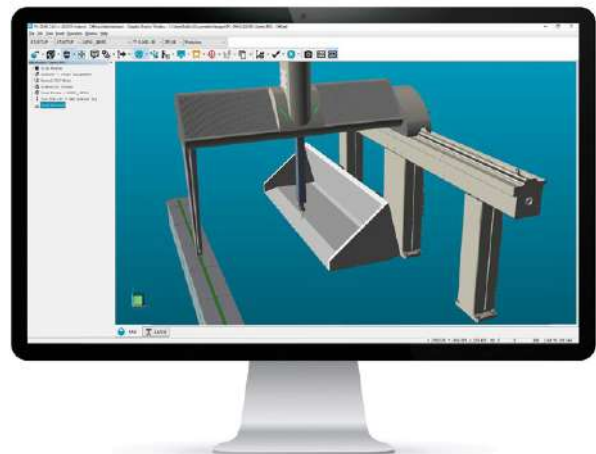


Simple and effective inspection

DELTA OPERA comes installed with PC-DMIS, the world's most popular metrology software. With its comprehensive inspection capabilities and sophisticated algorithms, PC-DMIS makes measurement routine creation and execution easy, efficient, and flexible.

PC-DMIS offers a range of features to make inspection more effective and save time. Inspection sequences for large parts can often be time-consuming, but PC-DMIS software enables you to easily create optimised measurement routines that significantly reduce cycle times. Offline capabilities allow engineers to create routines without occupying the CMM. This enables you to prepare the part program without needing the physical workpiece, so you can start measurement straight away once the part is ready and available. And the software's customisable reports and mobile alerts allow users to ensure the right person gets the right data at the right time.

DELTA OPERA is also available with QUINDOS, a highly powerful analysis software perfect for complex workpieces in automotive and aerospace powertrain industries, and more. With its wide range of application options and special functions, QUINDOS makes inspection of complex geometries highly efficient.





Fast and easy probe head exchange

Measuring a variety of large parts efficiently often requires different probing configurations and capabilities that can be quickly set up. Manual Application Changer (MAC) enables fast and simple probe head swaps in just a few manual steps. With MAC, you can switch between indexable probe heads and high precision fixed probe heads quickly, with minimum CMM downtime and allowing you to meet your different application needs with maximum efficiency.





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.

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