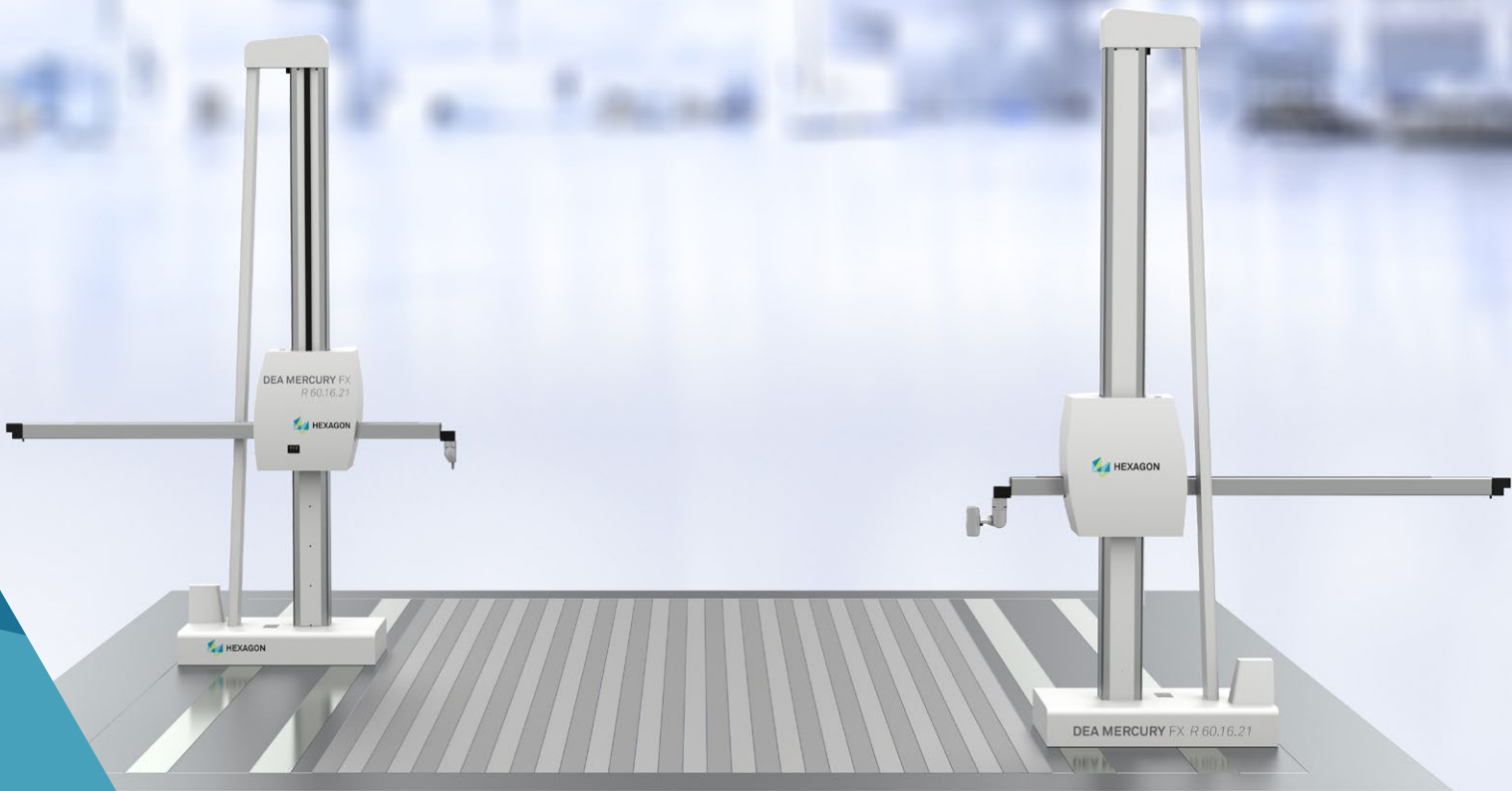


DEA MERCURY FX

HORIZONTAL ARM COORDINATE MEASURING MACHINE





MOVE TO SMARTER MANUFACTURING WITH DEA MERCURY FX

The DEA MERCURY FX horizontal arm coordinate measuring machine (CMM) enables companies to leverage existing horizontal arm CMM assets while adopting smarter, more automated manufacturing powered by sensors, software and CMM controllers from Hexagon Manufacturing Intelligence.

Designed to be fitted onto existing horizontal arm base tables from Hexagon or third-party CMMs, the DEA MERCURY FX can be installed with minimal disruption to the workplace. It is the ideal solution for manufacturers that want to retain the accuracy of a horizontal arm CMM while adopting new technologies that increase automation and productivity.

The DEA MERCURY FX horizontal arm CMM supports a full range of sensor options, whether the manufacturer's preference is for tactile sensors, non-contact scanners, or a multisensor approach. It also operates the latest metrology software, including Hexagon's PC-DMIS, which simplifies the capturing, analysis and efficient use of metrology data.



GREATER OPERATIONAL VERSATILITY, ENHANCED PRODUCTIVITY

The DEA MERCURY FX combines mechanical accuracy with high repeatability and its open architecture, robust mechanical frame and automatic axis motion make it ideal for loading and unloading even the heaviest medium, large and very large parts.

MECHANICAL VERSATILITY

The DEA MERCURY FX's robust, flexible mechanical design means it can be installed on existing steel, cast iron or granite base tables from a wide range of horizontal arm manufacturers.

INSTALLATION SIMPLICITY

Because the DEA MERCURY FX can be fitted onto existing base tables, it is simpler to install than alternative horizontal arms.

INCREASED DEPENDABILITY

Replacing an arm's mechanics and electronics does away with the need to undertake complex repairs and maintenance on older machines.

IMPROVED PRODUCTIVITY

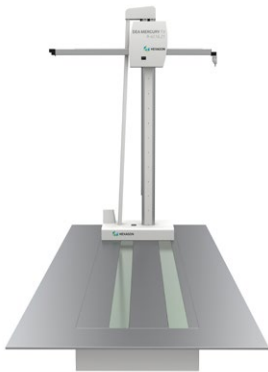
A retrofit gives manufacturers access to the latest software and a full choice of tactile and non-contact sensors, enabling them to optimise the use of their horizontal arm; compare measurement data to CAD images; and use measurement data to improve processes.

FIT FOR THE FUTURE

The DEA MERCURY FX CMM is compatible with Hexagon's DC and RC line of controllers, which enhance CMM application flexibility. Not only do the controllers support a multisensor system operating a full range of tactile and non-contact sensors, they also enable manufacturers to keep pace with technology advances by equipping manual and older measuring systems to run new software and sensors.



CHOOSE FROM THREE CONFIGURATIONS



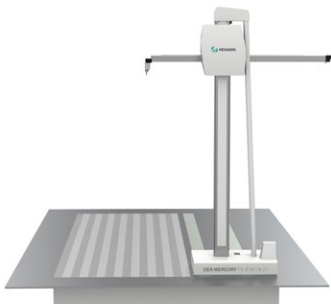
DEA MERCURY FX - RUNWAY

- Ideal for measuring medium to very large workpieces
- Arms on guideways decoupled from the work table
- Single, dual or multiple arm configuration



DEA MERCURY FX - CONSOLE

- Ideal for inspecting medium-sized components
- Full table surface is available for measurement
- Integration in existing work table
- The system is also available with a work table
- Single or dual arm configuration



DEA MERCURY FX - TOP MOUNTED

- Ideal for measuring medium to very large workpieces
- Arms integrated into the existing work table on the top position
- Guideways can be installed on or flush to the floor for better ergonomics
- Single, dual or multiple arm configuration

HARNESS THE POWER OF MULTIPLE SENSORS

The DEA MERCURY FX can be equipped with fixed or indexable measurement heads, continuous wrists, touch-trigger scanning probes and laser sensors. All horizontal arm CMMs come with a proprietary designed five-way probe holder.

HP-L LASER SENSOR

The DEA MERCURY FX can be configured with HP-L laser scanners to become a multisensor CMM that combines traditional tactile probing with optical scanning to perform the most challenging measurement applications in a single part program. The HP-L.5.8's compact form makes it suitable for creating point clouds where workpiece accessibility is restricted. The HP-L-10.6 meanwhile uses flying-dot technology to provide an excellent optical dynamic and generate point clouds of high quality and reliability.

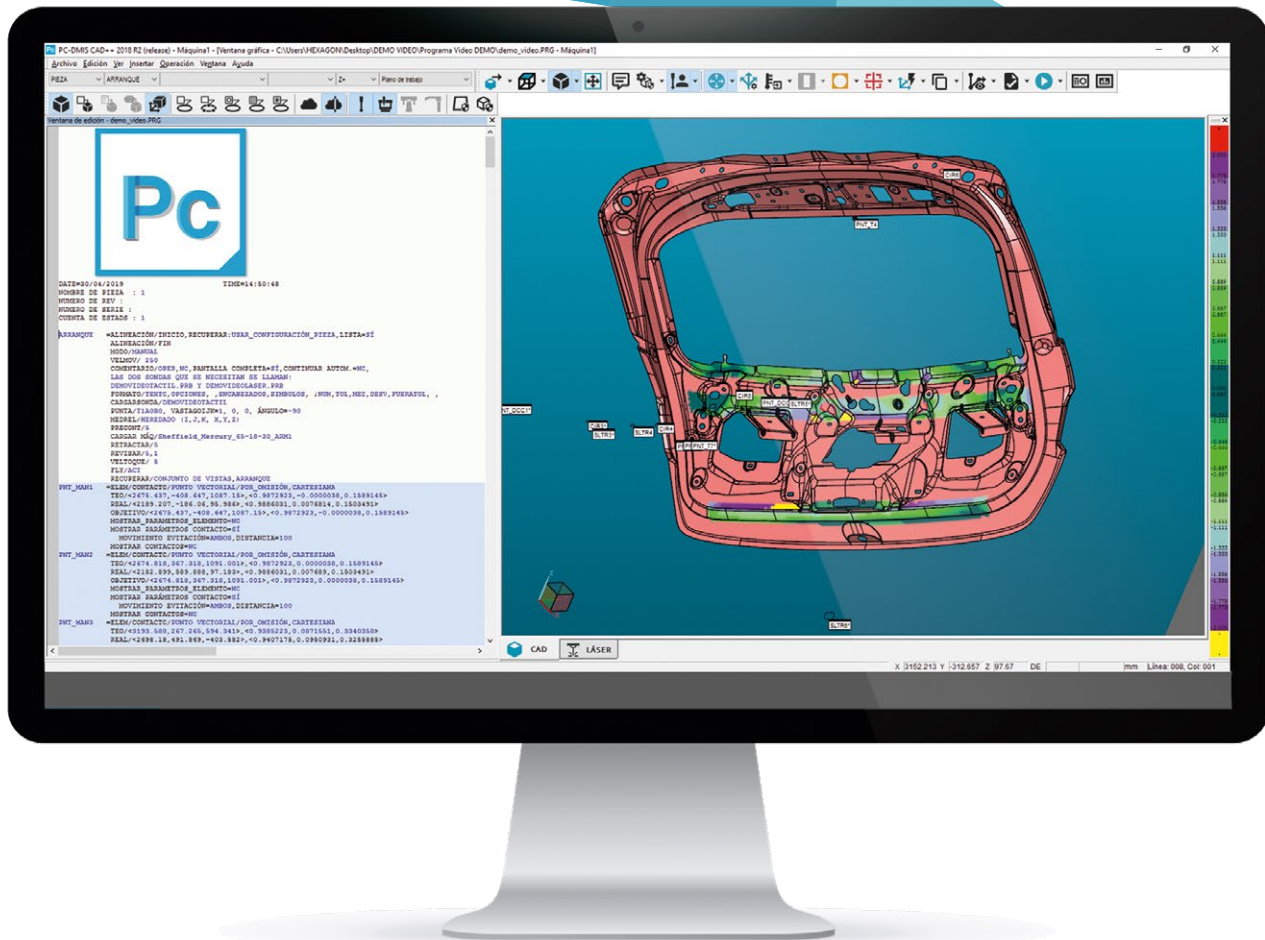
HH-A INDEXABLE PROBE HEADS

The HH-A-M and HH-A-T motorised indexable probe heads are capable of indexing 2.5° or 5° increments. Different adapters make them suitable for a range of probes, including multiwire and touch-trigger probes.

HH-ACW-43MW CONTINUOUS WRIST

The HH-ACW-43MW multi-axis continuous wrist aligns probes precisely. Designed to reach all part features, it can handle very long probe extensions. The HH-ACW-AC version of the wrist changes adapters and extensions automatically during measurement.





COLLECT, ANALYSE AND USE METROLOGY DATA

Hexagon is the largest software developer in the industry and offers several platforms to turn measurement data into actionable information. Developed in-house, these software packages ensure efficient part programming and accurate and interpretable outputs. PC-DMIS, for example, has the largest installed base of metrology software worldwide. It offers a scalable suite of solutions to efficiently and effectively address measuring requirements ranging from the simplest to the most complex. Available in an offline version for virtual programming, features include colour mapping of tolerances and thickness. Its flexibility and versatility make PC-DMIS the reference package for DEA MERCURY FX installations.

Hexagon Manufacturing Intelligence helps industrial manufacturers develop the disruptive technologies of today and the life-changing products of tomorrow. As a leading metrology and manufacturing solution specialist, our expertise in sensing, thinking and acting – the collection, analysis and active use of measurement data – gives our customers the confidence to increase production speed and accelerate productivity while enhancing product quality.

Through a network of local service centres, production facilities and commercial operations across five continents, we are shaping smart change in manufacturing to build a world where quality drives productivity. For more information, visit [HexagonMI.com](https://www.hexagonmi.com).

Hexagon Manufacturing Intelligence is part of Hexagon (Nasdaq Stockholm: HEXA B; [hexagon.com](https://www.hexagon.com)), a leading global provider of information technologies that drive quality and productivity across geospatial and industrial enterprise applications.

-  COORDINATE MEASURING MACHINES
-  3D LASER SCANNING
-  SENSORS
-  PORTABLE MEASURING ARMS
-  SERVICES
-  LASER TRACKERS & STATIONS
-  MULTISENSOR & OPTICAL SYSTEMS
-  WHITE LIGHT SCANNERS
-  METROLOGY SOFTWARE SOLUTIONS
-  CAD / CAM
-  STATISTICAL PROCESS CONTROL
-  AUTOMATED APPLICATIONS
-  MICROMETERS, CALIPERS AND GAUGES
-  DESIGN AND COSTING SOFTWARE