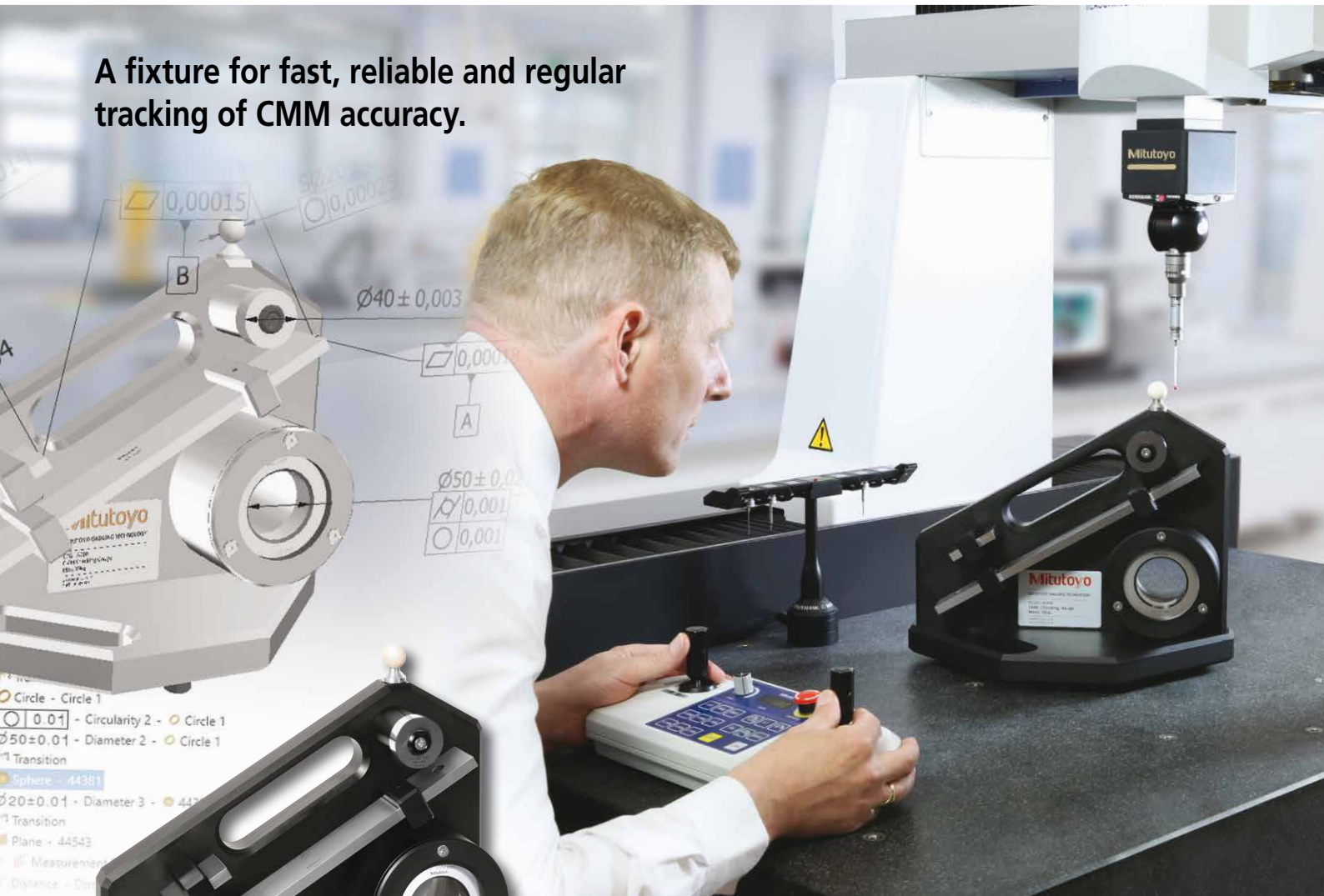


# VERIFICATION ARTEFACT

A fixture for fast, reliable and regular tracking of CMM accuracy.



COORDINATE MEASURING MACHINES



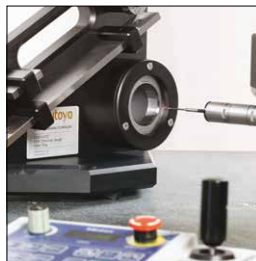
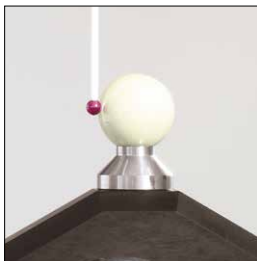
# Coordinate Measuring Machine VERIFICATION ARTEFACT

Quality control depends on constantly maintaining the maximum accuracy performance of dimensional measuring equipment and these days that increasingly means your CMM resource. This requires regular testing of each machine between routine reverification by the manufacturer and Mitutoyo's Verification Artefact enables you to do this quickly and economically, as often as you want, with a permanent record of results that clearly shows accuracy trends.

Consisting of highly accurate length and form artefacts on a self-contained fixture the Verification Artefact provides all the features needed to test probe and CMM performance. The supporting software package provides dedicated testing routines with optional control chart analysis and alert functionality, enabling immediate remedial action to be taken if necessary.

## Features and Benefits

- Provides early warning of any slow, systematic accuracy drift.
- Provides an immediate check after any incident that may have affected the accuracy of a CMM.
- Enables you to demonstrate to customers your commitment to the highest standard of quality control.
- Highly stable artefacts with a UKAS calibration provide unquestioned dimensional integrity.
- Designed for horizontal or vertical orientation on the measuring table at any angle within the XY plane.



## Specifications

Artefact	Precision sphere	Ring	Cylinder	Gauge block	
Nominal size	Sø20 mm	ø50 mm	ø40 mm	50 mm	300 mm
Material	Ceramic	Steel			
To check	3D probe performance	2D probe performance and scanning accuracy		Linear accuracy	
Attribute	Spherical radius/Circularity	Diameter/Circularity		Length	



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Coordinate Measuring Machines

Vision Measuring Systems

Form Measurement

Optical Measuring

Sensor Systems

Test Equipment  
and Seismometers

Digital Scale and DRO Systems

Small Tool Instruments  
and Data Management