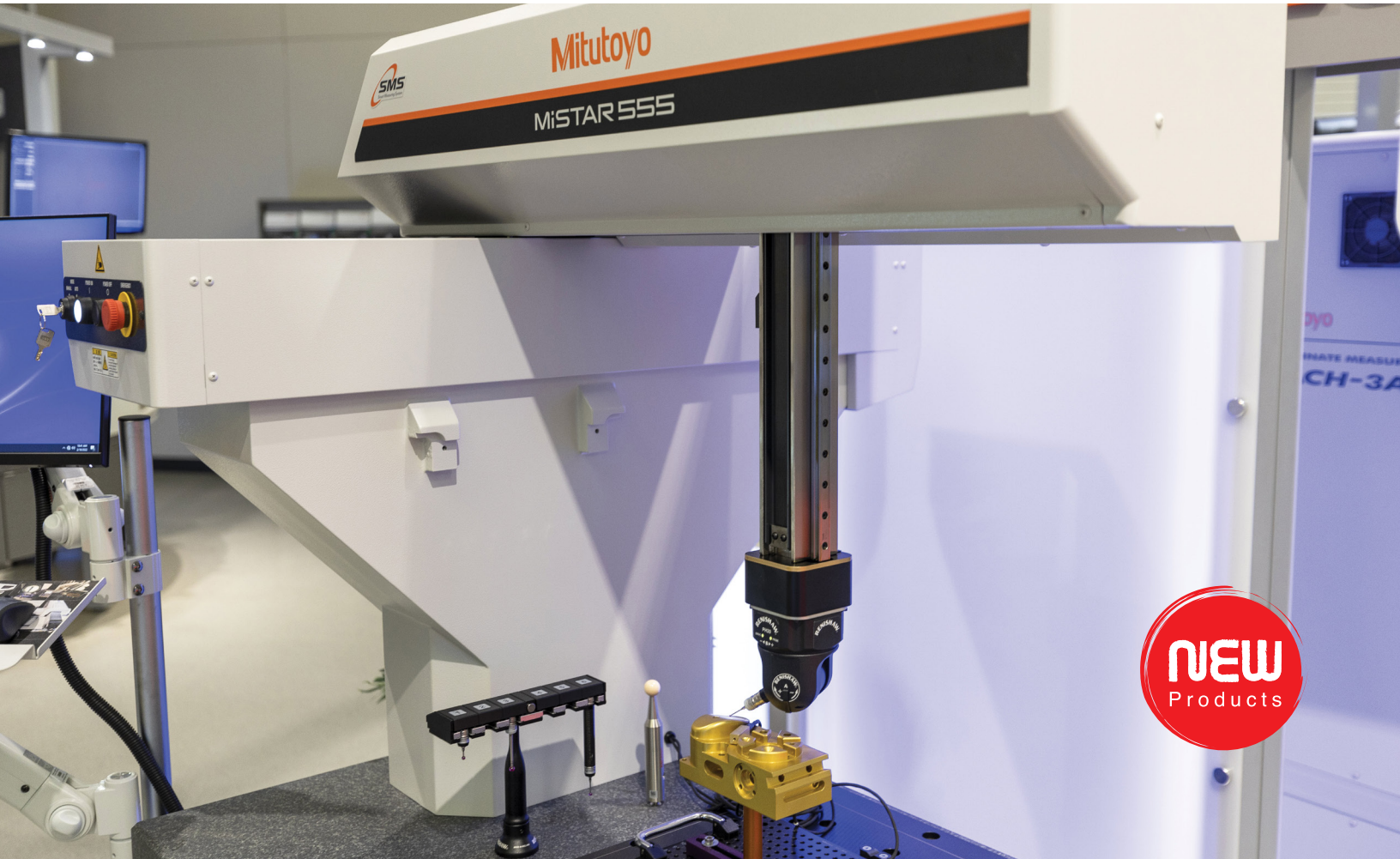


Coordinate Measuring Machine  
**MiSTAR 555 + PH20**



COORDINATE MEASURING MACHINES

The best shop floor CMM just got better.  
Now 5-axis capable!

# Coordinate Measuring Machine

# MiSTAR 555 + PH20

Coordinate Measuring Machine with 5-axis measuring, allowing increased throughput with reduced calibration time.

PH20's unique 'head touches' allow measurement points to be taken by moving only the head rather than the CMM structure. Using only the rapid rotary motion of the head, points can be taken faster, and with improved accuracy and repeatability.

The PH20 calibration determines the head orientation and probe position in a single operation, allowing subsequent measurement at any head angle.

## Improved efficiency with three-sided open architecture

Three-sided open architecture while securing an ample measuring range of 570(X), 500(Y), 500(Z) mm is very effective for moving workpieces on and off the measuring table.

## Enhanced measuring capability with probe head touches

The rapid rotary motion of the PH20 head allows measurement points to be taken faster and with improved accuracy and repeatability.

## 5-axis provides increased feature access with infinite probe angles

Infinite positioning guarantees optimal feature access, minimizing stylus changes. 5-axis motion allows larger part access on the CMM by minimizing space required around the part for probe orientation.

## Compatible with the existing range of TP20 modules

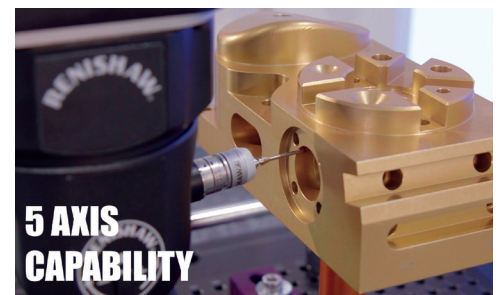
Wide selection of trigger forces, reach up to 200 mm (when used with EM2), detachable modules provide crash protection. The TP20 EM2 probe module allows holes in excess of 300 mm diameter to be measured without CMM motion.

## Up to 3 times faster than the conventional PH10

Measurements taken with the P20 head touches and the 5-axis controlled motion between measurement features eliminates indexing time. Together, these speed increases can result in 3-fold improvement in throughput.

## Dramatic reduction in calibration time

Unique inferred calibration technique determines the head orientation and probe position in a single operation. Less time spent during calibration increases the time available for part measurement thereby enhancing the CMM's utilization.



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Vision Measuring Systems

Form Measurement

Optical Measuring

Sensor Systems

Test Equipment and Seismometers

Digital Scale and DRO Systems

Small Tool Instruments and Data Management

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