

# MACH-3A 653



Fast measurement that keeps up with high-speed production.

# The production line CNC CMM

## MACH-3A 653

### When *speed* is of the essence

- Cost effective
- Designed for shopfloor temperatures 5 - 40°C
- Touchscreen control for easy operation
- Drive speed 1212 mm/s max.
- 2.5 µm accuracy-class potential
- Designed to integrate with automated production processes
- Compatible with the full range of Mitutoyo CMM products including styli, jigs, loading systems, indexing tables



### SPECIFICATIONS

Model No.	MACH-3A 653
Measuring range X, Y, Z	605 x 505 x 285 mm
Indexing table maximum loading	200 kg
Measuring table	Stable steel construction
Main unit mass, including indexing table (optional)	1500 kg
Maximum drive speed	1212 mm/s
Maximum drive acceleration	~ 12000 mm/s <sup>2</sup>
Accuracy (TP7M) MPE <sub>E</sub>	19 to 21°C: (2.5 + 0.35L/100) µm* 5 to 35°C: (3.5 + 0.57L/100) µm* 35 to 40°C: (3.9 + 0.65L/100) µm*
Working temperature range	5 - 40°C
Resolution	0.0001 mm

\*L = Measured length in mm



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

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