

MACH-V565 / 9106

Series 360 - In-line type CNC CMM

The MACH-V maximizes machining performance by performing in-line, high speed coordinate measuring in conjunction with your CNC machine tools. These high-throughput machines can be incorporated right into the manufacturing line and can provide pre/post machining feedback to your machine tool for machining adjustments.



MACH-V9106



Model	MACH-V565	MACH-V9106
No.	360-206A	360-226A
Range X x Y x Z axis	505 x 605 x 505 mm	905 x 1005 x 605 mm

Specifications

Digital step Accuracy ⁽¹⁾	0,1 μm E _{0,MPE} : (2,5+0,35L/100)μm / (2,9+0,43L/100)μm / (3,6+0,58L/100)μm ⁽²⁾ P _{FTU,MPE} : 2,5 μm (2,2 μm : using SP25M)
Scales	High accuracy linear encoder
Guide system	Linear guide
Max. drive speed	866 mm/sec
Max. acceleration	0.86G

⁽¹⁾The machine is equipped with a temperature compensation system, the effect of which is included in the accuracy specification according to ISO 10360-2 (2010) when using the TP7M probe system module SM25-1, with a ø 4x50 mm stylus.
⁽²⁾Guaranteed accuracy temperature range : 19°C - 21°C / 15°C - 25°C / 5°C - 35°C.

Accuracy is specified for the following environmental conditions for the CMM*

Temperature range	5°C - 35°C	
Temperature change	per hour	2.0 K
	per 24 hours	10.0 K
Temperature gradient	Vertical	1.0 K/m
	Horizontal	1.0 K/m

*When using temperature compensation system

Safety System

For this type series, Mitutoyo offers a customized safety system. Depending on the local situation in your facility, Mitutoyo will propose a tailor-made solution meeting the requirements of the machinery directive.