

# MACH-V 9106

Vertical spindle type CNC CMM for  
production line environment



COORDINATE MEASURING MACHINES

## Boost your throughput: the MACH-V 9106 CNC in-line CMM

The MACH-V 9106 vertical spindle coordinate measuring machine is designed for fast and precise production-line measurement. It grants outstanding throughput and, thus, enhances your measurement efficiency – at a very limited foot print to save workshop space.

The MACH-V 9106 design allows various types of loading accesses. The work pieces can be conveyed through the CMM either in the front/back or left/right axis.

### Accuracy\*

Temperature range	TP7M( $\phi$ 4x20mm)	SP25M( $\phi$ 4x50mm)
19~21°C	2.5 + 3.5L / 1000	2.5 + 3.5L / 1000
18~22°C	2.7 + 3.8L / 1000	2.7 + 3.8L / 1000
15~25°C	2.9 + 4.3L / 1000	2.9 + 4.3L / 1000
5~35°C	3.6 + 5.8L / 1000	3.6 + 5.8L / 1000

\*  $E_{0,MPE}$  according to ISO 10360-2:2009, results in  $\mu$ m, L = measured length in mm

Specifications		MACH-V 9106
Measuring range	X	900 mm
	Y	1000 mm
	Z	600 mm
Guide method		Linear mechanical guide for each axis
Drive speed	CNC MODE	Moving speed : each axis 8~500 mm/s (Max .composed speed: 866 mm/s)
		Measuring speed : 1~20 mm/s
	J/S MODE	Moving speed : 0~80 mm/s
		Measuring speed : 0~3 mm/s
		Fine speed : 0.05 mm/s
Driving acceleration		Each axis 5000 mm/s <sup>2</sup> (Max composed acceleration 8660 mm/s <sup>2</sup> )
Scale		Linear encoder
Resolution		0.0001 mm
Dimensions (WidthxHeightxDepth)	Main unit Controller	1477 x 2900 x 2942 mm 556 x 1533 x 761 mm
Machine mass	Including controller and stand	4130 kg

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