

MACH-V9106

MACH-V 9106 Series High Speed In-Line CMM

The MACH-V 9106 is a vertical spindle type coordinate measuring machine and is designed for fast and precise inline measurement. It grants outstanding throughput will allow you to boost up your measuring process.

His design is so chosen that work pieces can be conveyed through the CMM either in front/back or left/right. This makes it a very flexible system to integrate. Also it can provide pre/post machining feedback to your machine tools for process tuning.

Main benefits:

- Higher speed and accuracy with barycentric drive
- Improved dust resistance by installing all drive system and scale units in the dust-tight enclosure on the machine top
- Control unit and PC are installed in the dust-tight rack
- Space-saving design helps installation in a production line
- Flexible loading options due open access to the measuring area
- Ease-of-maintenance construction and air-free operation using high accuracy linear ball bearing
- Temperature compensation from 5° to 35°C
- Glass scale with high resolution 0,1 µm
- Safety joystick box with deadman switch and speed adjustment
- UC400K controller supporting SMS functionality (Smart Measuring System)



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No.	Model	Range [mm]
360-228	MACH-V9106	900 x 1000 x 600



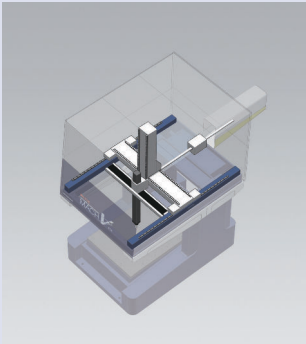
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Specifications

Accuracy	E0, MPE from: (2,5+3,5L/1000) µm
Max. drive speed	866 mm/s (3-axis)
Digital step	0,1 µm

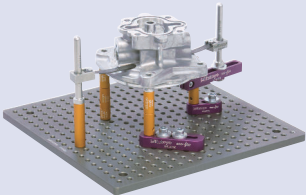
Accuracy is specified for the following environmental conditions for the CMM

Temperature range	5°C - 35°C
Temperature change	per hour 2°C per 24 hours 10°C
Temperature gradient	Vertical 1°C/m Horizontal 1°C/m



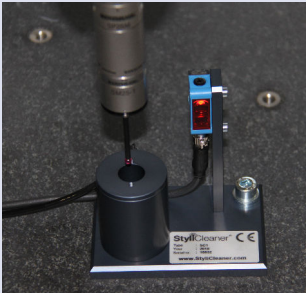
Safety System

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.



Mitutoyo eco-fix fixture kits:

- flexible & quick setup
- time & cost saving
- easy adaption of product changes



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