

MACH KO-GA-ME

AGILE MEASUREMENT SOLUTIONS

COORDINATE
MEASURING MACHINES



Rapid In-Line Measurement Solutions

A unique and compact CMM ready for automated measurements.

Looking for the fast, extremely compact, lightweight and easy to mount metrology product? The MACH Ko-ga-me - essentially a compact CMM - is your perfect solution for automated cells! The guaranteed accuracy temperature of 10°C up 35°C provides flexibility and performance also for your production environments.

Mounted on any rigid frame, including machine tools the MACH Ko-ga-me will give you CMM capabilities without the space requirements of a full-sized machine and in-process measurement without involving set-up breakdown.



- 1.** High-speed measurements
- 2.** Designed for production environment 10 °C - 35 °C
- 3.** Extremely small Footprint - perfect for automated cells and stand alone solutions
- 4.** Ideal for single feature inspection and usable with scanning and point-to-point probes
- 5.** Measuring range up to 120 mm
- 6.** Resolution of 0.02 μm and a measuring accuracy of $(2.4+0.57L/100)\mu\text{m}$

Specifications

Model Name	KGM 12128-B
Part Number	357-165
Probe System	TP200 / SP25M
Measuring Range (mm)	120 x 120 x 80
Mass of main unit (kg)	28
Scale resolution (μm)	0.02
Accuracy (μm) L=measuring length (mm)	2.4+0.57L/100 (Temperature range 19°C - 21°C) 3.4+0.79L/100 (Temperature range 10°C - 35°C)
Max. Driving Speed (mm/s)	340
Acceleration (mm/s ²)	6,750
Guiding method	Straight-motion hard bearing



MACH Ko-ga-me size compared to a human body



Mitutoyo MACH Ko-ga-me Custom Stand

This rigid and reliable stand is specially designed to fit your MACH Ko-ga-me in a perfect way. The heavy lay out, the support mount for your monitor and the integrated computer comparement together with the possibility to mount your MACH Ko-ga-me in different positions guarantees a miximum of convinience working with your Ko-ga-me.

<p>Part Number 02AQG391UK</p>	<p>Article Machine stand for MACH Ko-ga-me</p>
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MACH Series: Highly efficient CMMs suiting to your production process

MACH Ko-ga-me

- The compact CMM
- Absolute measurements
- Ready for integration into automated cells

MACH-3A

- High-speed and acceleration
- Small footprint saves valuable production space
- Optional with index table

MACH-V

- Fast, powerful drive enables high-speed measurement
- Probe-changing capability supports complex inspection plans

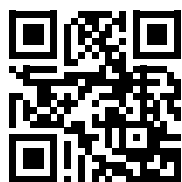




**Whatever your challenges are,
Mitutoyo supports you from start to finish.**

Mitutoyo is not only a manufacturer of top quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed up by comprehensive services that ensure your staff can make the very best use of the investment.

Apart from the basics of calibration and repair, Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test and deliver bespoke measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis.



**Find additional product literature
and our product catalogue**

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Note: Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.

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