

KO-GA-ME



Compact CMM adds 3D CNC high-performance measurement capability to almost any machine tool or process.

Mitutoyo

Add-on 3D CNC CMM



Ko-ga-me – the agile measuring system

- › Compact footprint due to no integral frame required.
- › Easy for a customer to mount, using either an existing stand that can be adapted easily or a custom-designed mounting frame.
- › Can be used in stand-alone applications or integrated into work cells.
- › Ideal for inspection of large or small workpieces and offers a wide range of measuring probes including touchtrigger, optical and scanning types.

Typical examples



Using a basic stand.



Mounted on a customised frame.



Mounted on a machine tool.



SPECIFICATIONS

Model			KGM12128-3V
Order No.			357-137
Probe systems			PH6 & TP200
Measuring range X, Y, Z			120 x 120 x 80 mm
Mass of main unit			36 kg
Resolution			0.02 µm
Accuracy*			(2.0+0.5L/100) µm
Operating speeds	CNC mode	1-axis drive	Max. 200 mm/sec
		3-axis drive	Max. 340 mm/sec
		Measuring	0 ~ 15 mm/sec
	Joystick mode	Drive	0 ~ 80 mm/sec
		Measuring	0 ~ 15 mm/sec
		Fine feed	0.01 mm/sec
Drive acceleration	1 axis		0.39 g
	3 axis		0.68 g
Guiding method			Straight-motion hard bearing
Driving method			DC servo motor and ball screw (velocity & position feedback)
Scale type			Linear encoder

* Ø3 mm x L10 mm stylus

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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