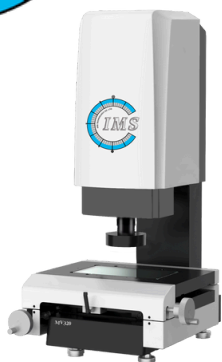# MANUAL VISION MEASUREMENT SYSTEM

FEATURE

- Using high accuracy and stability granite as machine base and column
- Convenience to ergonomic operation of integrated stand bracket
- Equipped with a high-resolution camera-based system to get fast ,accurate measurements on a variety of parts
- Offer a long working distance lens with a large magnification
- Complex graphics including curves can be measured
- Graphic display with dimensions
- Solutions for any size (We offer optical measuring instruments in a variety of measuring table sizes that can accommodate almost any workpiece.)

INTRODUCTION:

The MV series Manual Vision Measuring Machine (VMM) is a precision measurement instrument designed to inspect the dimensions, geometries, and positions of components using a combination of optical and mechanical systems. Unlike fully automated vision measuring systems, manual VMMs require an operator to guide the machine or handle some aspects of the measurement process.

Model	MV210	MV320	MV430	MV540
Stage glass size	228*128	328*228	428*328	528*428
X-Y Stroke	200*100	300*200	400*300	500*400
X/Y Linear Accuracy(μm)	2.0+L/200	2.0+L/200	2.5+L/200	3.0+L/200
	(L=is the measured length, unit mm)			
Color Camera	1/2 "Digital , 1.3MP			
Working Distance	90±2 mm			
Optical Sensor Zoom	Manual electronic feedback signal zoom lens : 0.7-4.5X			
	Ratio: 6.5:1			
	Digital Magnification : 42-256 X			
Illumination unit	White LED Surface light Green LED Profile light			
Operating Software	IMS software (USB) MV Series			
Max loading weight (Kg)	15	20	20	25
Net Weight (Kg)	90	135	280	380
Packing Weight (Kg)	140	200	350	480
Dimensions (mm)	720*470*860	740*580*930	890*650*980	1040*740*980
Machine Power	300 W			
Operating Temperature(°C)	17-23			
Relative Humidity	30%-80%			
Instrument power sources	220V±10 (AC)/50HZ			

| Standard delivery	Qty		Options	Code
Main unit	1		Desk	MV-DESK
Camera + 0,7-4,5X lens	1		Probe + software	MV-PROB
Ring LED	1		Laser	MV-LASER
IMS software USB	1		Adjust Z axis (higher 100mm per time)	MV-H100
IMS scale	1		IMS software USB	MV-SWB
UWC3200 controller	1		M3 software	MV-SWM3 *
Computer with 27inch monitor	1		Rational Vue Software	MV-SWRV *
Inspection certificate by manufacturer	1		M3 software (MV-SWM3) made by manufacturer in Germany	
			Rational Vue software belong to USA, made by manufacture in China	
			*order together with main unit	
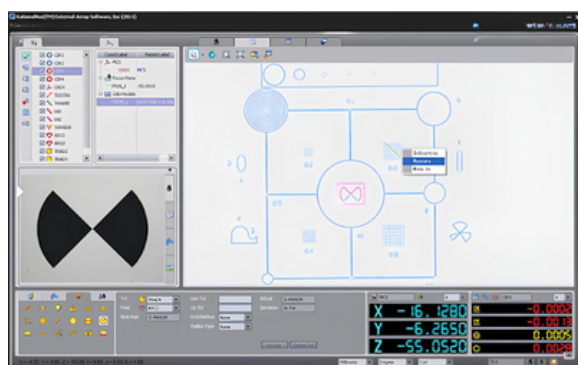
Rational Vue Software
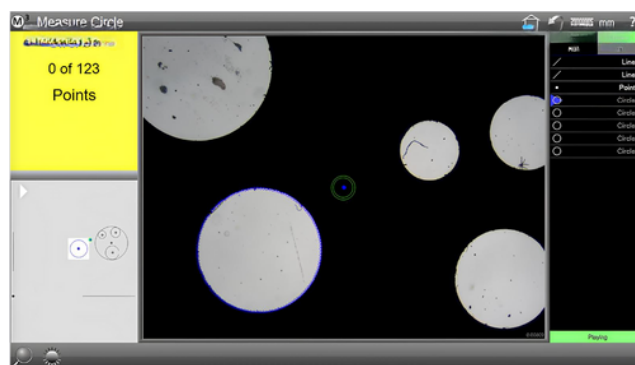
M3 software
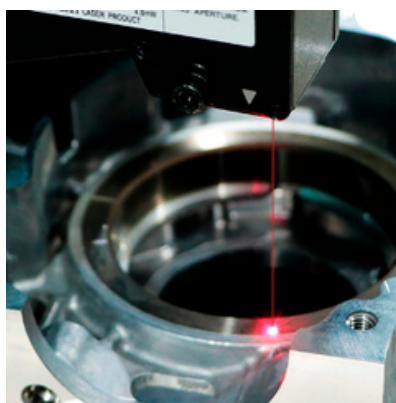
Use laser for measurement hight and flatness faster than traditional test methods.
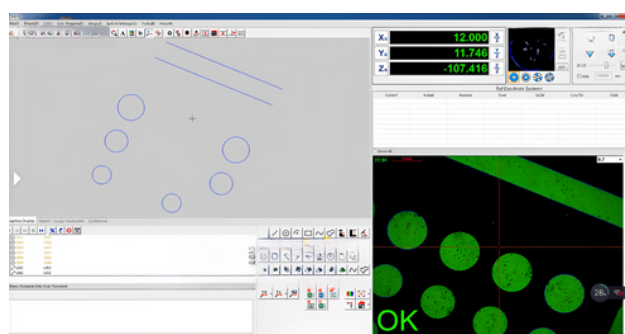
IMS basic software
（include）

Renishaw probe
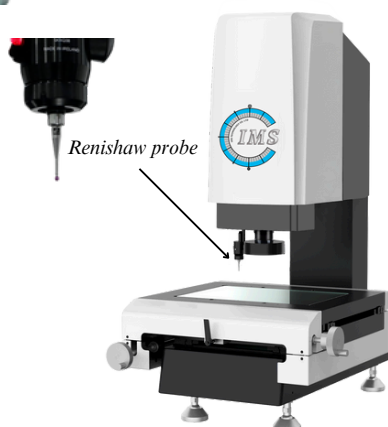
IMS TECHNOLOGY LTD.,CO
www.ims-measurement.com