MANUAL VISION MEASUREMENT SYSTEM (WITH PROBE)

INTRODUCTION:

The MVP series Manual Vision Measuring Machine with MCP probe is a precision 2.5D measurement functional design to inspect and measure the dimensions, geometries, and positions of components using a combination of optical and mechanical systems. Unlike optical vision measuring machine, MVP series machines can measure different height and depth with probe, making a high precision accuracy measurement results and output the CAD

Model	MVP212	MVP322	MVP432	MVP542
Stage glass size	228*128	328*228	428*328	528*428
X-Y-Z Stroke	200*100*200	300*200*200	400*300*200	500*400
X/Y Linear Accuracy(μm)	2.0+L/200		2.5+L/200	3.0+L/200
	(L=is the measured length, unit mm)			
Z Linear Accuracy(μm)	3.0+L/50			
	(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			
MCP Touch Sensor	Renishaw MCP Touch Probe			
Operating Software	IMS software (USB) MV Series			
Max loading weight (Kg)	15	20	20	25
Net Weight (Kg)	95	140	280	380
Packing Weight (Kg)	150	210	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°C			
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	Laser	MV-LASER
Ring LED	1	Adjust Z axis (higher 100mm per time)	MV-H100
IMS software USB	1	IMS software USB	MV-SWB
IMS scale	1	M3 software	MV-SWM3 *
UWC3200 controller	1	Rational Vue Software	MV-SWRV *
Computer with 27inch monitor	1	M3 software (MV-SWM3) made by manufacturer in Germany	
Inspection certificate by manufacturer	1	Rational Vue software belong to USA, made by manufacture in China	
Renishaw MCP Touch Probe (with 2 Stylis)	1	*order together with main unit	
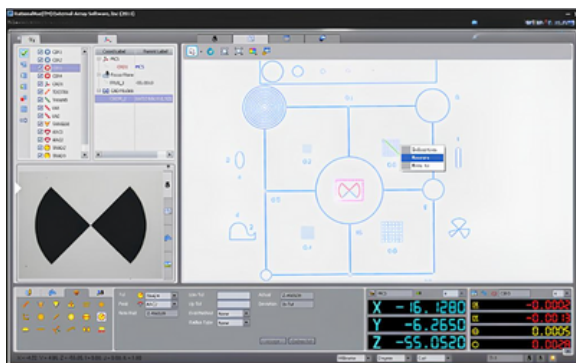
Rational Vue Software
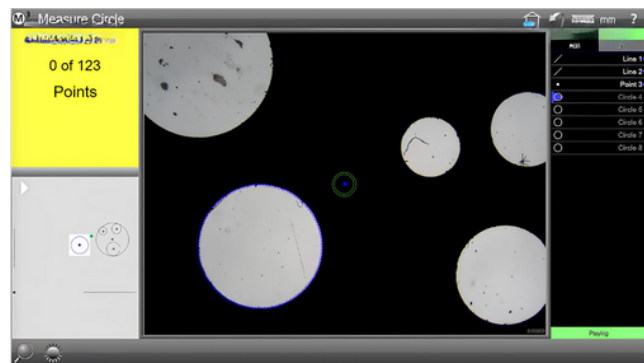
M3 software
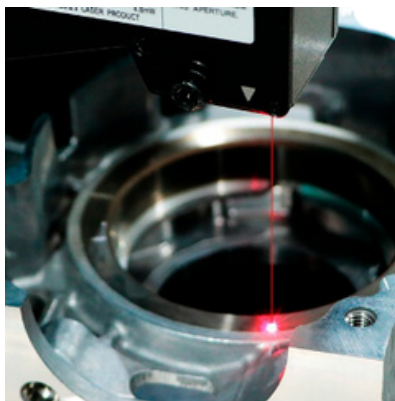
Use laser for measurement hight and flatness faster than traditional test methods.
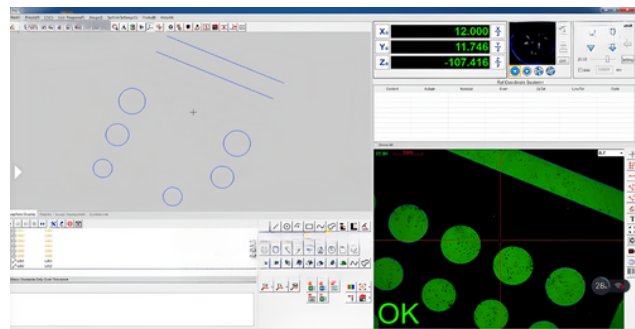
IMS basic software
（include）

Renishaw probe

MVP SERIES

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