CNC VISION MEASUREMENT SYSTEM (BRIDGE TYPE)

FEATURE

- CV Series CNC Video Measuring Machine (CNC VMM) is an advanced piece of equipment used in manufacturing and quality control processes to precisely measure the dimensions of parts and components.
- It combines computer numerical control (CNC) technology with video,based optical measurement to provide high accuracy and automation.
- The panoramic navigation camera high-efficiency measuring imager can quickly locate product features.
- It is equipped with a high-definition wide-angle lens at the lens end, which can clearly observe the overall shape of the product.
- It supports two imaging navigation methods: real-time image and picture

Standard delivery	Qty
Main unit	1
Camera + 0,7-4,5X lens	1
Ring LED	1
IMS software CV seris	1
IMS scale	1
UWC4000 controller	1
Joystick	1
IMS glass scale	1
Computer with 27inch monitor	1
Desk	1
Inspection certificate by manufacturer	1

Options	Code
Probe + software	CV-PROB
Laser	MV-LASER
IMS calibrations scale 500mm	CV-SCA500
IMS calibrations scale 1000mm	CV-SCA1000
IMS calibrations scale 1200mm	CV-SCA1500
M3 software	CV-SWM3 *
Rational Vue Software	CV-SWRV *
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	

Spectificate of camera	CV seris
Color Camera	1/2 " Digital , 1.3MP
Map camera	Panoramic navigation camera
Working Distance	90±2 mm
Optical Sensor Zoom	Motorized lens : 0.7-4.5X
	Ratio: 6.5:1
	Digital Magnification : 40-260 X
Illumination unit	White LED Surface light Green LED Profile light

SPECIFICATIONS

Model	CV562	CV682	CV1012
Stage glass size	628*728	728*928	1076*1926
X-Y Stroke	500*650*200	650*850*200	1000*1200*200
X/Y Linear Accuracy(μm)	3.0+L/200	3.0+L/200	3.5+L/150
	(L=is the measured length, unit mm)		
Z Linear Accuracy(μm)	3.0+L/100		
Operating Software	IMS software (USB) CV Series		
Max loading weight (Kg)	25kg	30kg	30kg
Net Weight (Kg)	760kg	960kg	1500kg
Packing Weight (Kg)	1080kg	1400kg	2100kg
Dimensions (mm)	1450*1100*1700	1800*1250*1700	2250*1650*1700
Machine Power	1.6kVA		
Operating Temperature(°C)	17-23°C		
Relative Humidity	30%-80%		
Instrument power sources	220V±10（AC） 50HZ		

Model	CV1420	CV1626	CV8102
Stage glass size	1476*2096	1673*2654	876*1096
X-Y Stroke	1400*2000*200	1600*2600*200	800*1000*200
X/Y Linear Accuracy(μm)	4.5+L/150	5.0+L/150	3.5+L/150
	(L=is the measured length, unit mm)		
Z Linear Accuracy(μm)	5.0+L/100		
Operating Software	IMS software (USB) CV Series		
Max loading weight (Kg)	30kg	30kg	30kg
Net Weight (Kg)	5000kg	7000kg	1200kg
Packing Weight (Kg)	5700kg	7800kg	2100kg
Dimensions (mm)	3050*2050*1700	3500*2700*1700	1920*1420*1700
Machine Power	1.6kVA		
Operating Temperature(°C)	17-23°C		
Relative Humidity	30%-80%		
Instrument power sources	220V±10（AC） 50HZ		

Renishaw probe

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

IMS calibrations scale