

CNC Video Measuring Machine

Optronics CNC Video Measuring Machine new entry models meet various need with advanced functionality and easy operation. A model is also available equipped with a Touch probe (optional) that can be used for measuring three dimensional (3D) objects that cannot be measured with a purely vision-based measuring system. Optronics L-Series is high precision machine with Sharp Image for Measuring and Inspection.



MACHINE FEATURES

- ▶ Solid and rugged structures of machine base and column, made by high grade granite.
- ▶ Joystick for axes and speed control with emergency stop button.
- ▶ Fully automated inspection after first time programming for all X,Y,Z axes, including light intensity control.
- ▶ Easiest and most user friendly software **INSPECT 2D**



USB Camera

XYZ axis Controller With Emergency Stop Button

XY axis Cross Roller Guide

6.5x Motorized Zoom Lens With Coaxial Illumination

INSPCET 2D Better measurement result and consistency

Panasonic Servo Drive & Motor Better accuracy, better positioning, repeatability and reliability

Renishaw Touch Probe (Made in UK) (Optional)

Technical Specifications

Model	V-3020L	V-4030L	V-5040L
X,Y Measuring Range	300 x 200	400 x 300	500 x 400
Z Axis Travel	200	200	200
X,Y Measuring Accuracy	(3 + L/150)µm		
XYZ Scale Resolution	0.0005mm		
Granite Table Size	510 x 410	610x510	710x610
Table Glass Size	357 x 357	457 x 357	557 x 357
Optical & Image System			
Camera	Precision Camera		
Optical Manification	0.7x ~ 4.5x		
Image Magnification	43x ~ 277x (27" Display Monitor)		
Working Distance	92mm		
Object Field of View	1.1mm~7.3mm		
Source System			
Lighting	8 Sector LED Ring Light		
Power	AC 100 ~ 240v 50/60Hz		
Computer	Standard Clone		
Software	INSPECT 2D		
Joystick	Standard		
Weight	150kg	280kg	360kg
Optional Accessories	Renishaw Touch Probe, Motion Detector, Auto Zoom Lens, Laser Scan		