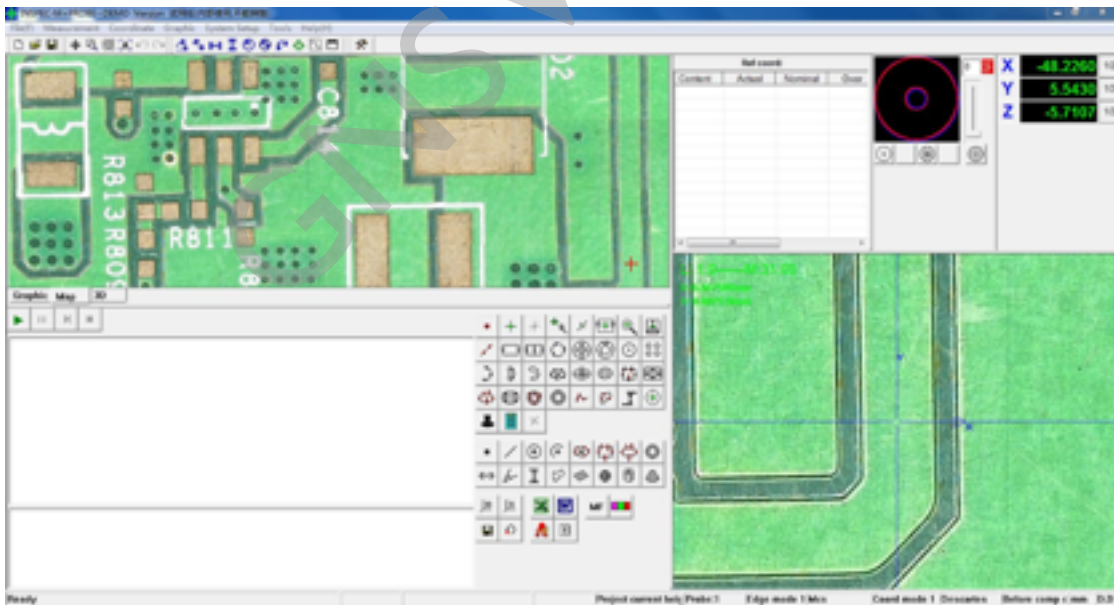




**Pricis-IM** systems are programmable motorized stage video measurement system with autofocus function, speeds up throughput and improve repeatability. Each system built with granite base and column structure coupled with motorized ensures accuracy and stability.

### Features & Benefits

- Rugged granite base & column structure provides stability.
- Granite surface with fixturing holes stage glass.
- 3 axis servo motor motion control.
- 1um resolution on XY & Z Axis.
- High Resolution Color Camera couple with zoomlens.
- High intensity programmable LED Illumination and partition ringlight.
- Advanced image processing
- Optional Touch Trigger probe.



### Measurement Software that make Simpler

With Image, Graphic, Result and Control windows makes it easier for user to measure parts easily. Capable of measuring Length, Width, Height, Angle, Diameter and etc. Generate marks dimensions for easier interpretation.

Measuring Unit	IM320	IM430	IM540	IM650
XYZ Travel (mm)	300x200x200	400x300x200	500x400x200	600x500x200
Dimensions (mm)	600x700x800	800x850x900	1100x1080x900	1280x1150x900
Weight (kg)	150	250	380	680
XYZ Axis	Precision compound motorized X-Y stage with 3 axis leadscrew linear guide rail motion.			
Worktable	Granite surface with fixturing holes stage glass and 25kg load capacity.			
Scale Resolution (XYZ)	1um precision scale			
Camera	720TVL, 1/3" High resolutions colour camera coupled to manual zoomlens. (Optional motorized zoomlens).			
Optics	6.5:1, 0.7x-4.5x manual zoom lens (approx. 30-180X) on screen magnification with 19" LCD monitor. W/D 95mm, FOV: 7-1.1mm (Optional motorized zoomlens).			
Optional lens	0.5x, 0.75x, 1.5x, 2.0x			
Optional Adapter tubes	0.67x, 2.0x			
Illumination	Programmable High Intensity LED backlight and partition ringlight.			
Controller	PC with Windows Operating System			
Software	Inspec 3D CNC Metrology Software.			
Optional Touch Trigger Probe	Renishaw touch trigger probe with choice of ruby ball styli			
Power	100-220 VAC, +/-5%, 50/60Hz, Single phase, 3A			
Recommended Operating Environment	Temperature 20-25 degree Celcius +/-2 degree C/hr, Humidity 30-80% (non-condensing), vibration <0.002g below 15Hz			
*Measuring Accuracy	XY* E<=3.0+L/200um, Z* E<=5.0+L/100um.			

\*Where L - Length in mm with evenly distributed load in the standard measuring plane.  
Depending on load distribution and image contrast, accuracy may be less than standard accuracy. All optical accuracy specifications with standards artifact at maximum zoom lens setting.