



Micro-Vu Excel Measuring Centre

Large Vision CMM with Touch Probe

The Micro-Vu Excel Measuring Centre is a high precision solution for measuring large parts. Supplied complete with InSpec Metrology Software, programmable zoom lens, and servo motion control, the Excel handles parts up to 1.5 metres (60") with ease. "Monorail" linear way bearings, dual encoder servo control, and sophisticated electronics allow these systems to reach 500 mm/sec velocity.

- Powerful Machine Vision System
- All Systems have touch probe option
- Programmable 12x Zoom Lens
- 42 Channel Lighting System
- "Mono-Rail" Bearing Design
- Fast, Accurate Z Measurements with Vision
 - Better than many laser systems
- Fast Servo Motor Control
- Extra Large Travel
 - 600 x 600 mm
 - 900 x 1200 mm
 - 1200 x 1500 mm
 - 2000 x 1250 mm
- 150 mm & 300 mm Z Travel range
- Optional Rotary Indexer Available



* 2000 x 1250 mm stages are available. Please contact [measureshop™](http://www.measureshop.com) for full specification details.

Specification	Excel 4120	Excel 4220	Excel 5120	Excel 5220	Excel 6120	Excel 6220
Measuring Volume	600x600x150mm		900x1200x150mm		1200x1500x150mm	
External Dimensions	1675x1200x1600mm		2285x1525x1650mm		2590x1855x1725mm	
Weight	910Kg		2050Kg		3410Kg	
Capacity	100Kg		100Kg		100Kg	
Guide Ways	Unique X,Y Linear Ways, Monorail Z		Unique X,Y Linear Ways, Monorail Z		Unique X,Y Linear Ways, Monorail Z	
Stage Material	Steel Gantry Beams		Steel Gantry Beams		Steel Gantry Beams	
Base Material	Granite		Granite		Granite	
Performance						
XY Accuracy	E2 = 3.5+L/300 µm		E2 = 5.0+L/300 µm		E2 = 5.5+L/300 µm	
XY Repeatability	< 3.5 µm		< 5.0 µm		< 5.5 µm	
Z Accuracy	E1 = 3.0+L/150 µm		E1 = 3.0+L/150 µm		E1 = 3.0+L/150 µm	
Z Repeatability	< 3.0 µm		< 3.0 µm		< 3.0 µm	
Acceleration	XY - 1000 mm/s ² Z - 500 mm/s ²		XY - 1000 mm/s ² Z - 500 mm/s ²		XY - 1000 mm/s ² Z - 500 mm/s ²	
Velocity	XY - 700 mm/s Z - 100 mm/s		XY - 700 mm/s Z - 100 mm/s		XY - 700 mm/s Z - 100 mm/s	
Encoder Resolution	0.5 µm		0.5 µm		0.5 µm	
Features						
Video	B and W	Colour	B and W	Colour	B and W	Colour
Profile Light						
Surface Light	Red LEDs	White LEDs	Red LEDs	White LEDs	Red LEDs	White LEDs
Coaxial Light						
Optics / Magnification	12:1 Programmable Zoom, 0.7-4.5x		12:1 Programmable Zoom, 0.7-4.5x		12:1 Programmable Zoom, 0.7-4.5x	
Software	InSpec Metrology Software		InSpec Metrology Software		InSpec Metrology Software	
Motion Control	Linear Servo, CNC, Mouse and Joystick		Linear Servo, CNC, Mouse and Joystick		Linear Servo, CNC, Mouse and Joystick	