

SPECIFICATIONS:

Physical	Excel 4120	Excel 4220	Excel 5120	Excel 5220	Excel 6120	Excel 6220
Measuring Volume	600x600x150 mm (23.6"x23.6"x5.9")		900x1200x150 mm (35.4"x47.2"x5.9")		1200x1500x150 mm (47.2"x59.0"x5.9")	
External Dimensions	L1675xW1200xH1600 (66"x47"x63")		L2285xW1525xH1650 (90"x60"x65")		L2590xW1855xH1725 (102"x73"x68")	
Weight	910kg (2000 lb)		2050kg (4500 lb)		3410kg (7500 lb)	
Capacity	100kg (220 lb)		100kg (220 lb)		100kg (220 lb)	
Stage	Steel					
Base Material	Granite					
Ways	Unique X&Y Monorail, Monorail Linear Z					
Motion Control	Servo: CNC, Mouse, and Pendant Control					
Power Requirements	93-264 VAC, 47-63 Hz, 10 Amp max.					

Performance ¹	Excel 4120	Excel 4220	Excel 5120	Excel 5220	Excel 6120	Excel 6220
XY Accuracy	U = 3.5+L/300 µm		U = 5.0+L/300 µm		U = 5.5+L/300 µm	
Z Accuracy ²	U = 3.0+L/150 µm		U = 3.0+L/150 µm		U = 3.0+L/150 µm	
XY Repeatability	3.5 µm (0.000140")		5.0 µm (0.000200")		5.5 µm (0.000220")	
Z Repeatability	3.0 µm (0.000120")		3.0 µm (0.000120")		3.0 µm (0.000120")	
X, Y Acceleration	1000 mm/s ² (40"/s ²)					
Z Acceleration	500 mm/s ² (20"/s ²)					
X, Y Speed	500 mm/s (20"/s)					
Z Speed	150 mm/s (6"/s)					
Scale Resolution	0.5 µm (0.000020")					

Features	Excel 4120	Excel 4220	Excel 5120	Excel 5220	Excel 6120	Excel 6220
Video	Hi-Res B&W	Hi-Res Color	Hi-Res B&W	Hi-Res Color	Hi-Res B&W	Hi-Res Color
Illumination Source	Red LEDs	White LEDs	Red LEDs	White LEDs	Red LEDs	White LEDs
Lighting	Surface, Profile, and Axial					
Optics / Magnification ³	12:1 Programmable Zoom / ~17x-400x					
Software	InSpec for Windows Metrology Software					
Computer ⁴	1.2GHz, 256 MB RAM, Windows 2000, CD-RW, Ethernet Card					
Environmental	20°C (68°F) ±2°, 30-80% Humidity					
Warranty	1 Year Parts and Service					

¹ Based on Micro-Vu Accuracy & Repeatability specification using 0.5 micron scales

² Mechanical accuracy of z; focus accuracy depends on the part surface

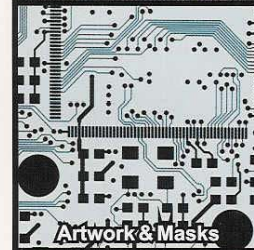
³ Magnification depends on monitor size and resolution

⁴ Micro-Vu may substitute upgraded components without notice

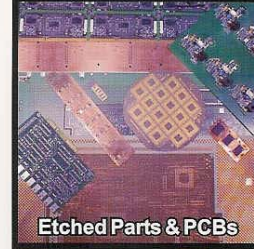
If You Can See It ...



Multiple Part Inspection



Artwork & Masks



Etched Parts & PCBs



Sheet metal & Stencils

We Can Measure It!



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