



Vision and Contact CMM for Large Work Pieces

Micro-Vu Excel 5120 | 5220 | 5520 | 6120 | 6220

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
- Large Travel
 - 900 x 1200 mm
 - 1200 x 1500 mm
- 150 mm & 300 mm Z Travel range
- Optional Rotary Indexer Available



Specification	Excel 5120	Excel 5220	Excel 5520	Excel 6120	Excel 6220
Measuring Volume (mm)	900x1200x150		900x1200x300		1200x1500x150
External Dimensions (mm)	2285x1525x1650		2285x1525x1880		2590x1855x1725
Weight (Kg)	2050		2186		3410
Capacity (Kg)			100		
Guide Ways			Unique X,Y Linear Ways, Monorail Z		
Stage Material			Steel Gantry Beams		
Base Material			Granite		
Performance					
XY Accuracy (µm)			E2 = 5.0+L/300		
XY Repeatability (µm)			< 5.0		
Z Accuracy (µm)			E1 = 3.0+L/150		
Z Repeatability (µm)			< 3.0		
Acceleration (mm/s²)			XY - 1000, Z - 500		
Velocity (mm/s)			XY - 700, Z - 100		
Encoder Resolution (µm)			0.5		
Features					
Video	B&W	Color	B&W	B&W	Color
Profile Light					
Surface Light	Red LEDs	White LEDs	Red LEDs	Red LEDs	White LEDs
Coaxial Light					
Optics / Magnification			12:1 Programmable Zoom, 0.7-4.5x		
Software			InSpec Metrology Software		
Motion Control			Linear Servo, CNC, Mouse and Joystick		