

**TECHNICAL SPECIFICATIONS**

Vertical Range:	100Å to 1,310 KÅ (0.4 microinch to 5 mils)
Vertical Resolution:	1Å/65KÅ, 10Å/655KÅ, 20Å/1310KÅ,
Scan Length Range:	50 microns to 50mm (2 mils to 2 inches)
Scan Speed Ranges:	Low, Medium, High
Scan Time Range:	3 seconds to 50 seconds
Software Leveling:	Two-point programmable or cursor leveling
Stage Leveling:	Manual
Stylus (standard):	Diamond, 2.5 micron radius
Stylus Tracking Force:	Programmable, 1-40mg (0.01-0.4mN-milliNewtons)
Maximum Sample Thickness:	45mm (1.75 inches)
Sample Stage Diameter:	165mm (6.5 inches)
Sample Stage Translation: (from center)	X Axis, ±76mm (±3 inches) Y Axis, -76mm (-3 inches)
Maximum Sample Weight:	0.5Kg (1 lb)
Power Requirements:	100/115/200Vac ±10%, 50-60Hz, 200Vac
Warm-up Time:	15 minutes recommended for maximum stability
Operating Temperature:	21° C ±3° C 70° F ±5° F
Zoom Magnification:	35X to 200X
Camera:	Solid state monochrome video image
Sample Illumination:	Variable intensity white light; IR & UV blocked
Dimensions:	
Scan Head w/Monitor	33cmW x 56cmD x 81cmH (13"W x 22"D x 32"H)
Computer Tower	18cmW x 41cmD x 33cmH (7"W x 16"D x 13"H)