

**DEKTAK V 200-SI TECHNICAL SPECIFICATIONS**

Vertical Range:	25Å to 2,620 KÅ (0.1 microinch to 10 mils)
Vertical Resolution:	1Å/65KÅ, 10Å/655KÅ, 40Å/2620KÅ,
Scan Length Range:	50 microns to 200mm (2 mils to 8 inches)
Scan Speed Ranges:	3 seconds to 218 seconds
Software Leveling:	Two-point programmable or cursor leveling
Stage Leveling:	Automatic and power leveling
Stylus (standard):	Diamond, 12.5 micron radius
Stylus Tracking Force:	Programmable, submilligram-30mg
Maximum Sample Thickness:	45mm (1.75 inches)
Sample Stage Diameter:	200mm (8 inches)
Sample Stage Translation:	X Axis, 200mm (8 inches) Y Axis, 200mm (8 inches)
Sample Stage Rotation:	Theta, 360°
Maximum Sample Weight:	2.5Kg (5 lbs.)
Power Requirements:	100/115V or 220V, 50/60 Hz
Current:	10A @ 100/115V or 20A @ 220V (±10%)
Phase:	Single Phase
Warm-up Time:	15 min. recommended for maximum stability
Operating Temperature:	21° C ±3°C (70° F ±5°F)
Environmental Humidity:	40%, ±20%
Zoom Magnification:	60X to 420X
Color Camera:	Solid state produces color video image
Sample Illumination:	Variable intensity white light; IR/UV blocked
Dimensions:	30.5W x 45.4D x 60.5H (78 x 111 x 154 cm)
Vacuum Chuck:	Requires external vacuum 24" (600mm) Hg.
Vibration Isolators:	Requires 100 PSI (488 kg/m <sup>2</sup> ) compressed air.