

GENERAL SPECIFICATIONS	REQUIREMENTS	Compliant/ Non-compliant
Microtome	Automated Microtome	
Operation modes	Manual & automatic	
Dimensions WxDxH mm	Max: 500x700x700mm	
Weight	Max: 60kg	
Horizontal & Vertical rotation (x & y axes)	0 - 10 degrees	
z-axis rotation	Yes	
Presets	Yes (multiple)	
Auto trimming	Yes	
Coarse feed	Motorised, variable speed	
Sectioning speed	up to ± 400 mm/s	
Trim thickness	$\pm 0.5\mu\text{m}$ to $600\mu\text{m}$	
Section thickness	0.25 - $100\mu\text{m}$	
Vertical cutting stroke	122mm (max)	
Horizontal advance	Max 28mm	
Specimen retraction	Yes	
Section counter	Not essential	
Specimen size	max 70x70x40mm	
Blade holder	Universal with angle adjustment of 0-10°C	
Control Panel	Yes	
Ergonomics	Bench Top	
Construction	Chemical resistant	
Blade protection	Yes	
Wheel lock	Yes	
Sample head lock	Yes	
Warranty period	Minimum 1 year	
Delivery	6 weeks	
Installation & Commissioning	By Supplier	
Training	By Supplier	
Operators Manual	English	
Other		
Able to handle tissue blocks of variable consistencies, from soft, medium to hard and		
Lab Manager: Moestafa Jooste		
		
Sign:		
Date: 31/07/2025		
QA Coordinator: BUSINESS MANAGER BUKIWE MAKABA		
Sign		
Date: 01/08/2025		