Automatic rotatory microtome

Code ZFP015

Nahita's automatic rotating microtome is a high-precision device designed for cutting samples in histology, pathology and various areas of scientific research laboratories.
It is equipped with a fully automated or manual cutting system, allowing tissue sections of different thicknesses to be cut efficiently and accurately. Its ergonomic design and advanced specimen clamping system optimise workflow and ensure high quality cuts. Thanks to its advanced technology, this microtome facilitates sample processing with a high level of reproducibility and safety.

Characteristics

User safety	Motor overload protection system Blade holder for disposable blades with hinged blade guard to cover the blade edge Handwheel locking system in any position Automatic stop button
Robust and easy to clean design	With large, easy-to-remove waste tray and top tray for instrumentation positioning
Touch screen for parameter setting and control	Motorised sample advance and retraction with end-of-stroke alarm, section thickness and trimming section thickness range, automatic cutting rotation speed...
Cutting operation	By handwheel or automatically via touchscreen With remote control and foot pedal for Start/Stop
Sample clamp	Standard specimen clamp and universal cassette clamp, easily interchangeable, included with the equipment The clamp's orientation system ensures the exact and precise alignment of the sample surface with the cutting edge
Blade holder base	Features lateral adjustment to maximise blade utilisation and reduce costs Allows horizontal and vertical sample stroke and cutting angle adjustment

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Remote control	Manual and automatic
Remote control	0-300 mm/s
Remote control	0.5-100 μm
Setting value	From 0.5-5 μm in increments of 0.5 μm From 5-20 μm in increments of 1 μm From 20-60 μm in increments of 5 μm From 60-100 μm in increments of 10 μm
Trimming section thickness range	5-600 μm
Setting value	From 5-10 μm in increments of 5 μm From 10-100 μm in increments of 10 μm From 100-200 μm in increments of 20 μm From 200-600 μm in increments of 50 μm
Horizontal sample stroke	20 mm
Vertical sample stroke	60 mm
Sample retraction	1250 μm/s
Accuracy	± 5 %
Maximum specimen size	50x45 mm
Blade orientation angle	0-14°
Sample orientation	8° (X-Y axes); rotatable 360°
Dimensions (LxWxH)	500x320x500 mm
Weight	32 kg
Power supply	220 V 50/60 Hz