

Technical Specifications

General

Power	100 - 240 VAC, 50/60 Hz
Maximum consumption	50 VA
Dimension (WxDxH)	490 x 570 x 306 mm
Weight	Approx. 38 kg
Screen	5 inch color touch screen
Control panel	Yes
Waste tray	Antistatic

Microtome

Section thickness range	0.5 - 100 μ m
Setting values	For 0.5 - 5 μ m in 0.5 μ m increments For 5 - 20 μ m in 1 μ m increments For 20 - 60 μ m in 5 μ m increments For 60 - 100 μ m in 10 μ m increments
Trimming thickness range	1 - 600 μ m
Setting values	For 1 - 10 μ m in 1 μ m increments For 10 - 20 μ m in 2 μ m increments For 20 - 50 μ m in 5 μ m increments For 50 - 100 μ m in 10 μ m increments For 100 - 600 μ m in 50 μ m increments
Specimen retraction	0 - 100 μ m in 5 μ m increments, can be turned off
Horizontal feed	25 \pm 1 mm
Vertical stroke	70 \pm 1 mm
Electric coarse feed speed	Fast forward: 0 - 1800 μ m/s, adjustable Fast backward: 0 - 1800 μ m/s, adjustable
Specimen head position memory	1 position
Maximum block size	55 x 50 x 30 mm
Specimen orientation with zero position	Horizontal rotation: \pm 8° Vertical rotation: \pm 8°
Coarse feed wheel turn direction	Clockwise or counterclockwise
2-in-1 blade holder	Yes
Rocking mode	Yes
3-in-1 coarse feed wheel	Wheel, finger pad, knob

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MT1 Semi-automated rotary microtome

Sectioning is supposed to
be this simple

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Contact Dakewe Sales representative today!
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MT1

Semi-automated rotary microtome

Dakewe MT1 semi-automated rotary microtome offers quality sections and effortless experience with engineered mechanism and ergonomic design, adapting to the need of every microtome user in the laboratory.



Ergonomics infused

- Smooth-running and light hand wheel thanks to expertly designed force balance system
- Thumb design on the hand wheel for the thumb to rest on amid heavy workload
- Large volume, removable waste tray with slope interior for effortless cleaning
- Rounded corner in every corner protects laboratory technicians
- Bottom glider makes moving the microtome for cleaning easier

Engineered mechanisms

- Ultra-precise, sleek rail with cross roller bearings and force balance system bring ultimate sectioning experience and reliability
- Fine step angle stepper motor for precise sectioning
- Dovetail groove blade holder base guarantees stable, wobbling-free operation
- Double locks ensures user safety

Precision oriented

Details that make sectioning work measurable and intuitive:

- $\pm 8^\circ$ X/Y orientation with clear graduation enables fast alignment of the specimens
- Patented 0 position indicator with pleasant motion feedback
- Coarse feed wheel with pleasant motion feedback
- Position memory function brings specimen head to desired position in one touch
- Motorized system offers steady and even-speed movement

Adapt to users

- Rocking mode allows trimming without a full rotation of handwheel, reducing fatigue
- Smart switch between rocking mode and sectioning
- 3-in-1 coarse feed wheel with reversible wheel direction adapts to the microtome users' preference
- 5 inch touch screen with concise UI and physical control panel allow intuitive control
- 2-in-1 blade holder for high and low profile blades



Chinese porcelain appearance option available

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