



MT1

Semi-Automated Rotary Microtome

Sectioning is supposed to be this simple



MT1

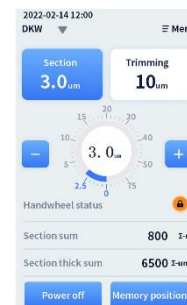
Semi-Automated Rotary Microtome



Maximized user comfort

- Enjoy light and pleasant sectioning with delicate force balance system.
- Spin handwheel for 10° to trigger one-handed trimming, simplifying sectioning process.
- Double handwheel lock mechanics - upper lock at 0° and lower lock allows for locking at any position, resulting in safer operation.

- 5-inch color touch screen and minimal UI demonstrate all essential information. Familiarize with sectioning in no time.
- Considerate shell design saves your thumb from repeatedly rubbing on the instrument.
- Your choice of semi-automatic motorized trimming or manual trimming using the coarse feed wheel.



- Drive the coarse feed wheel in your way: as a knob, a wheel, or with the rubber finger pad.
- Adapt coarse feed wheel direction to your personal preference.

- Two-in-one blade holder compatible with both high and low profile disposable blades.



Accurate specimen positioning

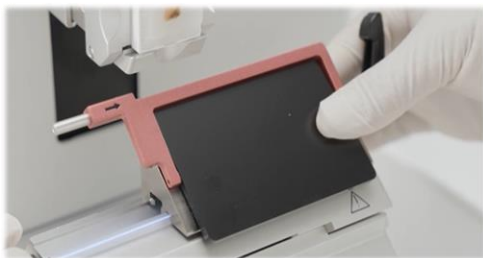
- Patented zero specimen position system alongside with visible graduation.



- Specimen head position memory stores feeding position. Blade holder positioning feature allows for rapid reset to preset position when changing blocks, enabling efficiency.
- Programmable specimen retraction.

Superior section quality

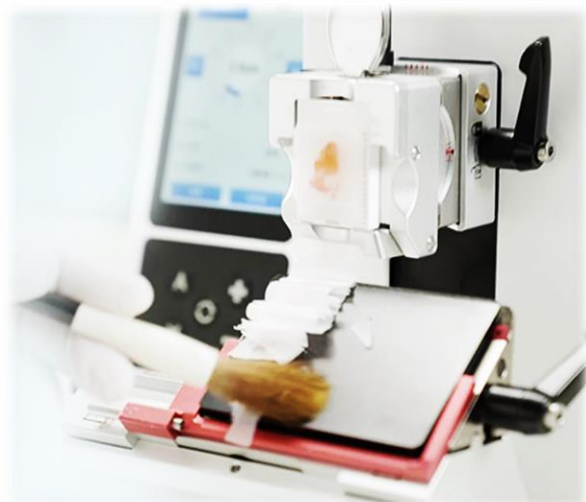
- Ultra-precise, sleek rail with cross roller bearings reduces maintenance and noise.
- Driven by fine step angle stepper motor, accurate feeding leads to homogeneous section.
- Dovetail groove blade holder base enables steady blades.



- Full blade utilizable and it's not necessary to take out the blade when changing blade position, minimizing destabilizing factors.
- Thorough precision in sectioning and lateral movement even after displacement.

Hassle-free maintenance

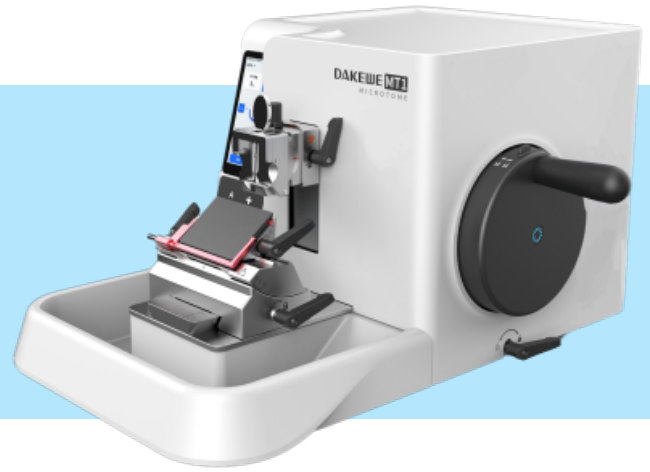
- Anti-static waste tray attached via magnetic suction provides ease of cleaning.
- Arc shape specimen holder bring convenience block changing. Shield at the back of the handle prevents paraffin debris from entering the clamp.



- A large shelving platform at the top makes your work more organized.

- Monolithic shell without corners adopts corrosion-proof material and can be cleaned effortlessly.
- Roller under the instrument to move away and back smoothly for cleaning.





TECHNICAL DATA	
Type of microtome:	Semi-Automated
General	
Nominal supply voltages:	100-240 VAC
Nominal frequency:	50/60 Hz
Dimensions and Weight	
Width (including handwheel and coarse feed wheel) Depth (including the section waste tray) W x D x H:	490 × 570 × 306 mm (±10mm)
Weight(without accessories):	Approx. 39 kg
Microtome	
Section thickness setting range:	0.5 - 100 μm
Trimming section thickness setting range:	1 - 600 μm
Horizontal feed range:	25 ± 2 mm
Vertical stroke:	70 ± 1 mm
Specimen retraction:	0 - 100 μm in 5.0μm increments. Can be turned off
Specimen retraction with zero position horizontal/vertical rotation:	x/y±8°
Maximum specimen block size (H×W×D):	55 × 50 × 30 mm with large specimen clamp
Blade holder movement:	25 mm. Fast positioning can be enabled
Blade holder base:	Dovetail groove blade holder base
Fast forward/backward:	0-800 μm/s, adjustable; 0-1800 μm/s, adjustable
Patented specimen position system:	Zero specimen position system
Force balance system:	Yes
Display:	5-inch color touch screen
Rapid specimen exchange with fast homing and programmable memory position:	Yes
Quiet retraction provides reduced noise during prolonged operation:	Yes
One-handed trimming:	Trigger angle: ≥ 10° (no need to switch by key)
Handwheel thumb position:	Yes
2-in-1 blade holder for both, high and low profile blades	Yes
Personalized coarse feed wheel:	Yes
Waste tray	Antistatic tray

Superior Quality . Excellent Service

We have a comprehensive customer service system and have established organizations on different continents. If any problems or technical support are required, DAKewe will provide service in accordance with the customer, in a timely manner.



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