KD-ST 5500 Semi-automated Rotary Microtome

Features:



- This model utilizes a human oriented design, easy to switch between cutting and trimming, advanced technology, and stable performance, and is user-friendly;
- Specimen feeding drive utilizes an intelligent control system, it has three modes: Conventional mode , Intelligence sensing mode and whole layer cutting mode;
- Advanced drive systems including multiple functions, sectioning, trimming, fast forward, fast backward and quick conversion;
- Uses imported cross-roller guide rails and a screw motion mechanism to ensure precision resulting in superior sectioning performance;
- OLED screen shows section and trimming thickness, as well as number of sections;
- With a safety and emergency braking system, security alarm system, driver overload protection, auto-sleep protection system;
- Easy and fast switching between different specimen clamps (two options: paraffin block clamp and cassette clamp);
- Hand-wheel balance is precisely adjusted and can be locked at any position to ensure the safety of the slicing operation;
- Blade holder can be laterally moved to avoid moving the blade with direct contact, thereby utilizing the entire length of the blade (three different segments);
- The red bar on the blade holder covers the whole length of blade to protect the user and the push bar enables easy change of the blade;
- Hand-wheel balance is precisely adjusted and can be locked at any position to ensure the safety and convenience of sectioning;
- Large-volume waste tray is easy to remove and clean, and items such as deposable blades can be stored on the top of the housing.

Technical Specifications:

- Section Thickness Setting Range: 0.25 - 100μm

  0.25 – 2.5μm increment 0.25μm

2.5 – 5μm	increment 0.5μm
5.0 – 10μm	increment 1μm
10 – 30μm	increment 2μm
30 – 60μm	increment 5μm
60 – 100μm	increment 10μm

- Trimming Thickness Setting Range: 1 – 600μm

1 - 10μm	increment 1μm
10 - 20μm	increment 2μm
20 - 50μm	increment 5μm
50 - 150μm	increment 10μm
150 - 600μm	increment 50μm

- Retraction Setting Range: 0— 100μm (0 is off)
  5- 10- 15—100
- Whole layer clearance distance Range: 10 – 6000μm
  10- 12-15-20-25--5000~6000μm
- Feeding range for left small wheel: 100-1000um per circle
- Minimum Setting of Sectioning Thickness: 0.25μm
- Total Horizontal Specimen Feed: 30mm
- Vertical Specimen Stroke: 70mm
- Movement Range of the Base of Blade Holder Base: 0-65mm (front to back)
- Movement Range of the Blade Press plate: 0-26mm
- Cutting/Trimming count number: 0~9999
- Memory position of clamp head: two position set
- The optional separate wireless controller
- Specimen Orientation: XY – 8° and Specimen Clamp Rotation 360°Rotation(optional)
- Maximum Specimen Size:80×65 mm (Optional clamp)
- Precision Error:±1%
- Working Voltage: AC 220V/ AC110V
- Frequency：50Hz/60Hz
- Power:100VA
- Dimensions:595×465×295 mm (W×D×H)
- Net weight: 28kg