KD-ST5800 Semi Automatic Rotary Microtome

Features:



- Ultrasonic atomization: Ensure smooth section and advoid debris and dust (optional);
- Universal lighting: The lighting position and the brightness can be adjusted (optional);
- Scanning function: Support linking to other devices for scanning data transmission (optional);
- Dual control operation: Can realize button and touch screen control as required;
- Cutting mode: Normal mode, Standard mode, Full mode;
- Sample holder memory position: memory point positions of specimen holder can be set;
- Positioning of sample holder: When changing the samples, no need to return the sample holder, the -key returns to the memory fixed position;
- Return of sample Holder: No matter where the sample holder is in the travel, it can be returned to the zero safe position by touching button;
- Intelligent trimming: turn on or off it to meet the automatic precision adjustment of section thickness;
- Display of Sample travel range: Clearly visible location of sample holder, with a clear and intuitive display of percentage numbers for remaining itinerary progress;
- Return to original location for sample holder: After power on, the sample holder automatically resets to the innermost safe position;
- Voice prompt: Sample holder displacement limit position alarm beep prompt, convenient for users to identify the travel distance;
- Dormancy function: screen can turn to domancy state and with lock function to protect the control screen, save energy and protect the environment;
- Data interface: supports system upgrades and data transmission;
- Adjustment of specimen clamp's angle: Vertical and horizontal 8 ° ;
- Blade holder's safe guard: The sage guard covers the entire length of the blade edge and is equipped with a pushing rod, convenienct to change with new blade;
- Multi-function handwheel locking sytem: The upper lock of the large handwheel is easy and fast to operate, and the lower lock of the large handwheel can be locked at any position;

- Separate soft silicone tray: can hold different consumables, easy to clean.

Technical Specifications:

- Section Thickness Setting Range: 0.25 - 100μm

0.25 - 2.5μm	increment 0.25μm
2.5 - 5μm	increment 0.5μm
5 - 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

- Specimen Retraction Range: 0~100μ m
  1-5- 10-15---100 adjustable，0 is closed
- Whole layer clearance distance Range:10~6000μm
  10-12- 15-20-25--- 5000--6000μm
- Specimen Feed: 30 mm
- Vertical Specimen Stroke: 70 mm
- Movement Range of the Blade Press plate: 0~30 mm (left-to-right)
- Movement Range of the Base of Blade Holder Base: 0-65 mm (front to back)
- Specimen Orientation: XY – 8° and Specimen Clamp Rotation 360°Rotation(optional)
- Min. Setting of Sectioning Thickness: 0.25 μm
- Max. Speciment Size:: 80*65 mm
- Feeding speed:2000um/s
- Feeding range for small wheel:100~ 1000um/circle can adjustable
- Memory points: 2points can be set randomly
- Setting range for No.s of section/trimming: times 0~99999999，distance 0~99999999 μm
- Section Time:0 S ~ 11 H, 59 M, 59S
- Lighting: 5 levels adjustable(optional)
- Scanner function：(optional)
- Atomization function: universal nozzle, Water tank capacity: 700ml(optional)
- Precision error: ±1%
- Working Voltage: AC 110V-120V/AC220V-240V
- Power:100 VA
- Dimensions:478x 410x 310mm(W×D×H)
- Net weight:40 kg