

**MICROTOME - 1No.**  
**Doc. No: ST/12/Microtome/2016-17/26**

### **Technical Specifications**

1. Fully motorized heavy duty automated microtome with single stroke,
2. Continuous stroke, rocking stroke and programmed mode for the sectioning of soft, hard, paraffin and resin embedded blocks.
3. Section thickness range should be between 0.25 to 100  $\mu\text{m}$  with increments in the range of 0.5  $\mu\text{m}$ , 1  $\mu\text{m}$ , 5  $\mu\text{m}$  with LED/LCD display.
4. Trim thickness range should be 1-600  $\mu\text{m}$  with 1  $\mu\text{m}$ , 2  $\mu\text{m}$ , 5  $\mu\text{m}$  and 10  $\mu\text{m}$  increments, respectively with LED /LCD display.
5. Vertical stroke 70-80mm. Specimen advance 30-35mm.
6. System should have section counter, knife angle position locator and specimen orientation light facility.
7. System should have Emergency stopping facility and lockable hand wheel.
8. It should have option of foot pedal operation and emergency stop button .
9. System should have automatic object return to starting point .
10. Directional specimen holder fixture with quick clamping system, standard clamp and universal cassette clamp.
11. Should have spacious, removable section waste tray with integrated armrest.
12. Universal knife holder base, disposable blade holder, disposable blades. The specimen holder of microtome should be capable of holding resin blocks for sectioning.
13. Instrument should be capable of making semi-thin section of resin embedded sections with the help of glass knife.
14. Operating voltage: 230 v / 50HZ

### **Technical specifications of Slide warming System**

- Heating Plate size: 600 x150 mm
  - Ambient temperature to 70 degrees
  - Plate material should be Aluminium and Body should be stainless steel
  - Digital temperature indicator and controller
  - Operating voltage: 230 v / 50HZ
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- **Branded suitable UPS with 30 min backup**
  - **Warranty: 3 years comprehensive warranty and 2 years non-comprehensive warranty**
  - **should provide at free of cost.**
  - **Any other items required to make it a complete system to be quoted**