

## Important Notice

The Department of Zoology need 01 Automatic Rotary Microtome, therefore interested firms/vendors are requested to supply the quotations for the purchase of above said item latest by 09.02.2023 (specifications attached) in the Department of Zoology through registered post.

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HOD ZOOLOGY

Endst: No.Zoo/23/5480

Dated: 02.02.2023

1. Director Computer Centre, M.D.University is requested to upload the notice on university website with the specifications.

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02/02/23  
HOD ZOOLOGY  
Department of Zoology  
M.D. University,  
ROHTAK-124001

# FULLY AUTOMATIC ROTARY MICROTOME

## Technical Specifications:

- Section Thickness Range: 0.5 $\mu$ m-100 $\mu$ m
- Setting Values: 0.5 $\mu$ m-2 $\mu$ m in 0.5 $\mu$ m increments.  
2 $\mu$ m-20 $\mu$ m in 1 $\mu$ m increments  
20 $\mu$ m-100 $\mu$ m in 5 $\mu$ m increments.
- Trimming Thickness Range: 1 $\mu$ m-600 $\mu$ m
- Setting Values: 1 $\mu$ m-10 $\mu$ m in 1 $\mu$ m increments.  
10 $\mu$ m-20 $\mu$ m in 2 $\mu$ m increments  
20 $\mu$ m-100 $\mu$ m in 5 $\mu$ m increments  
100 $\mu$ m-600 $\mu$ m in 10 $\mu$ m increments.
- Specimen Retraction: "In Manual Sectioning Mode: 5 - 100 $\mu$ m (in 5 $\mu$ m increments); can be turned off, In Motorized Sectioning Mode: Speed- Dependent; can be turned off".
- Minimum Setting value: 0.5 $\mu$ m
- Object feed: 30mm
- Specimen holder design: universal cassette clamp
- Vertical Stroke: 70mm for super cassette clamp
- Specimen horizontal feed: 30mm
- Motorized coarse feed: in two speeds: 300mm/sec & 900 mm/sec
- Max. Specimen Size: 50X50mm
- Operation: Semi-automatic, fully automatic.
- Nominal Voltage: 220V, 50Hz/110V, 60Hz
- Type of disposable blade: Both high-profile and low profile
- Emergency break for user safety: yes for fully automatic microtome

## Features:

- Rust-proof construction.
- Lockable hand wheel at any position allowing change of blade/specimen easier and safe.
- Lateral knife adjustment to ensure that the entire width of the blade is used without releasing the blade clamping mechanism.
- Large storage capacity on the top of the instrument for easy access of tools.
- Finger protection guard to protect the user from any injuries caused due to blade.
- Robust and stable base plate for maximum stability to the microtome.
- Ergonomic and user friendly design.
- Section Waste tray to collect section waste and is easily removable for cleaning purposes.
- LCD Display with Feather Touch Keypad.
- Cutting speed: Steplessly adjustable from 3 – 300 mm/sec or in two speeds: 300 mm/sec & 900 mm/sec WITH Single, Continuous, programmable, manual SECTIONING STROKE in case of fully automatic microtome.
- Slicing/Trimming Mode.
- TOUCH Fast Forward/Backward Function.
- TOUCH Increase/Decrease Section Thickness.
- TOUCH Section Counter/Section thickness display.
- Sectioning Mode: Semi-automatic, Fully automatic.