LABSTAC

FULLY AUTOMATIC MICROTOME HTP21-600A

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FULLY AUTOMATIC MICROTOME HTP21-600A

Microtome cuts embedded tissues into thin slices for applications in histology or pathology. Depending upon the type of specimen and desired thickness it uses blades of diamond, steel or glass for further analysis by light microscopy or transmitted electron microscopy (TEM).

Used in Histopathology, Traditional Histology Technique, Cryosectioning Technique, Microscopy.

Also known as Histomes, Cryostats.

HTP21-600A FULLY AUTOMATIC MICROTOME

Full-automatic sectioning with adjustable speed and three sectioning modes continuous, step and single. LED display. Electronic trim function makes it easy to switch from trim and section mode. Specimen retraction mechanism protects specimen from unintended blade damage. Section counting function counts total section pieces and total thickness.

Unit contains a precise micro motion specimen feeding system which uses a micro computer, optical signal and stepper motor to control specimen feeding resulting in more precise specimen feeding. Internationally accepted slide mechanism and groove ensures the precision of specimen movement while making the unit free from lubrication and maintenance requirements.

Unit contains a handwheel force balancing system for adjusting the balancing force during sectioning, making rotation even and smooth. Two safety locking mechanisms on the handwheel; one locks on the top; the other locks at any position. The disposable blade can move horizontally to avoid the dangers of unintended contact with the blade. Every blade cuts specimen into three equal parts, which ensures the entire use of blade Edge. The waste tray collects sectioning debris are easily removed for cleaning. Cassette clamp and C clamp are optional. Specimen orientation on X/Y axes 8°. Alarm to warn of forward or backwards limitation. Self-diagnostic prompt. Emergency stop and foot switch (optional)

SPECIFICATIONS

Model	HTP21-600A
Section thickness range 0.5μm～100μm (3~5um is the best slicing effect)	0.5 μm ～ 100 μm (3 ~ 5um is the best slicing effect)
Section thickness setting	60 ～ 100 μm，in 10 μm increments
Trimming thickness	1 ～ 600 μm
Trimming thickness setting	100 ～ 600 μm，in 50 μm increments
Specimen retraction	10 ～ 150 μ mμm (Can be closed)，in 1 μm increments
Specimen vertical stroke	60 mm
Specimen horizontally stroke	25 mm
Max specimen size with C clamp (H×W)	55×45 mm
Dimensions (W×D×H)	560×470×300 mm
Package Dimension	695x525x480 mm
Package Weight	45 kg

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