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MICROTOME

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MICROTOME

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

HTP21-100S SEMI AUTOMATIC MICROTOME

It adopted the advanced import actuation system so that can slice the tissues more precisely ,more reliable and quiet.

The LCD display show the slice and trimming thickness ,section counter in Chinese or English version.

It have special function of sample retraction .it can avoid the damage due to the attrition between sample and the back of knife so that the slice is more smooth and the life of the knife is more longer. The hand wheel can be locked in any position to make the section as safe and convenient as possible. The waste bath can be disassembled easily. It has safety alarm system.

SPECIFICATIONS

Model	HTP21-100S
Slice thickness range	0.5 μm ～ 100 μm (3 ~ 5 um is the best slicing effect)
Section thickness setting	60 ～ 100 μm，in 10 μm increments
Trimming section range	1 ～ 600 μm
Trimming thickness setting	100 ～ 600 μm，in 50 μm increments
Horizontal specimen stroke	20 mm
Vertical specimen stroke	55 mm
Specimen retraction	20 μm
Maximal slice section	50 × 45 mm
Dimension	520x450x300 mm

HTP21-60R ROTARY MICROTOME

It have clipper –built case , the user can put blade , wax block ,or other consumable one the top of case. It do not need to lubricate and maintain the microtome frequently. The handwheel in the right can be locked in any position, and the handle can be locked in highest

position, it is double safe for changing blade or tissue block. The specimen Orienting system axes X and Y 8°, axis 180°. It adopt the special blade holder , it is more safe and convenient to use the disposable blade

Directly. It also can to longer the user life of disposable blade.

SPECIFICATIONS

Model	HTP21-60R
Slice thickness range	0 μm～60 μm
Section thickness setting	20-60 um in 5 um – increments
Horizontal specimen stroke	20 mm
Vertical specimen stroke	50 mm

Slip precision	± 5 %
Maximal slice section	50×45 mm
Specimen adjustment direction	Horizontal 8°, Vertical 8°, Rotating 360°
Movement range of blade holder base	Front and Back ± 25 mm, Left and Right ± 25 mm
Blade holder angle	0~10 °

HTP21-300V VIBRATING MICROTOME

Widely used in biological,teaching,scientific institute research etc. It is used to cut fresh or specific specimen from animals or plants,specimen can be cut immediately in no case of embedding,cooling progress. Therefore,specimen doesn't broke at all,and cell keep very good and active.It provide good condition for immunocytochemistry research and spinal&celebrum disorder's neurobiology. This model is very good choice for fiields in electro microscope,dissect, cyemology,physiology,biology,scientific research.

SPECIFICATIONS

Model	HTP21-300V
Speed of Specimen Sectioning	0-1.3 mm/s（adjustable）
Vibrating range	0 ～ 1 mm
Lifting range of specimen platform	20 mm
Section thickness setting range	10-300 um
Minimum setting value	1 um
Angle of blade	15 degrees
Working Voltage AC 220 V	50 Hz
Working Voltage AC 110 V	60 Hz
Power Draw	200 VA
Dimension	250x210x110 mm
Net Weight	12 kg

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