



PATHOLOGICAL ANATOMY

MICROTOMES



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Semi Automated Rotary Microtome

Model YR417-1

Overview

In the everyday routine inside a laboratory, microscopic substances and samples are very common. Most of the time it is necessary to cut some of the samples in extremely thin slices of material, known as sections. In order to prepare a sample and to make those types of cuts, you must have a microtome, a very essential device in the microscopy field. Microtome use allows the preparation of samples for observation under transmitted light or electron radiation.



Features:

- ✓ This model utilizes a human oriented design, easy to switch between cutting and trimming, advanced technology, and stable performance, and is user-friendly;
- ✓ Specimen feeding drive utilizes an intelligent control system, it has three modes: Conventional mode, Intelligence sensing mode and whole layer cutting mode;
- ✓ Advanced drive systems including multiple functions, sectioning, trimming, fast forward, fast backward and quick conversion;
- ✓ Uses imported cross-roller guide rails and a screw motion mechanism to ensure precision resulting in superior sectioning performance;
- ✓ OLED screen shows section and trimming thickness, as well as number of sections;
- ✓ With a safety and emergency braking system, security alarm system, driver overload protection, auto-sleep protection system;
- ✓ Easy and fast switching between different specimen clamps (two options: paraffin block clamp and cassette clamp);
- ✓ Hand-wheel balance is precisely adjusted and can be locked at any position to ensure the safety of the slicing operation;
- ✓ Blade holder can be laterally moved to avoid moving the blade with direct contact, thereby utilizing the entire length of the blade (three different segments);
- ✓ The red bar on the blade holder covers the whole length of blade to protect the user and the push bar enables easy change of the blade;
- ✓ Hand-wheel balance is precisely adjusted and can be locked at any position to ensure the safety and convenience of sectioning;
- ✓ Large-volume waste tray is easy to remove and clean, and items such as disposable blades can be stored on the top of the housing.

Technical Specifications:

- ✓ Section Thickness Setting Range:

0.25 - 100µm	
0.25 - 2.5µm	increment 0.25µm
2.5 - 5µm	increment 0.5µm

- 5.0 - 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
- ✓ Retraction Setting Range: 0-100µm (0 is off)
- 5-10-15-50 (optional)
- ✓ Whole layer clearance distance Range: 10 - 6000µm
- 10-12-15-20-25-5000-6000µm
- ✓ Minimum Setting of Sectioning Thickness: 0.25µm
- ✓ Total Horizontal Specimen Feed: 30mm
- ✓ Vertical Specimen Stroke: 70mm
- ✓ Movement Range of the Base of Blade Holder Base: 0-65mm (front to back)
- ✓ Movement Range of the Blade Press plate: 0-20mm
- ✓ Cutting/Trimming count number: 0-9999
- ✓ Memory position of clamp head: two position set
- ✓ The optional separate wireless controller
- ✓ Specimen Clamp Rotation: at any angle within 360 degrees.
- ✓ Specimen Orientation: XY - 8°
- ✓ Maximum Specimen Size: 60×70mm (optional clamp)
- ✓ Feed speed adjust: 2000µm/s
- ✓ Precision Error: ±1%
- ✓ Working Voltage: AC 220V±10% 50Hz (standard model) / AC110V±10% 60HZ
- ✓ Power: 100W
- ✓ Dimensions: 480×410×310 mm (W×D×H)
- ✓ Net weight: 28kg



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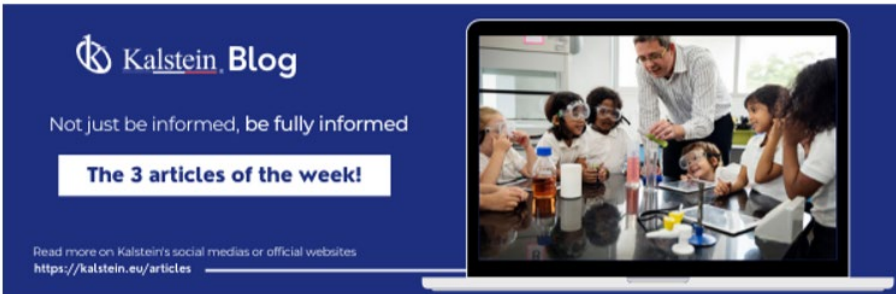
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1
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How does the climate affect your microscope?

microscope is an instrument that allows observing and measuring objects at a very small scale. This is achieved through a complex system of lenses and mirrors, which form

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2
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What is the importance of the laboratory refrigerator?

refrigerator is a device that is one of the most common pieces of equipment used in laboratories. It is a controlled environment (refrigerated space), various fluids and substances

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What is the importance of the laboratory refrigerator?

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