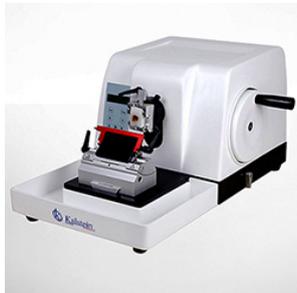


Semi-automated Rotary Microtome



Model : YR416

Semi-automated Rotary Microtome

Manufacturer : Kalstein

Price : \$ 16,800.00

Description :

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.

Microtomy is a method for the preparation of thin sections for materials such as bones, minerals and teeth, and an alternative to electro polishing and ion milling. Microtome sections can be made thin enough to section a human hair across its breadth.

Rotary microtome

This is a very common microtome type. It operates with a staged rotary action such that the actual cutting is part of the rotary motion. In a rotary microtome, the knife is typically fixed in a horizontal position.

Rotary microtome parts

Before you purchase a microtome, you should get familiar with its major parts. First, there is the microtome base plate or stage, where rails secure the knife. Second, there is the knife holder base. Then, there is the knife holder. In addition, there is the cassette clamp or block holder, which hold the paraffin block in place. Moreover, there is the coarse hand wheel and finally there is the micron adjustment.

Rotary microtome uses

This rotary microtome has many great features that makes it the ideal item to have in your histology lab. First, this product adopts a streamline design, and possesses advanced features with stable performance and easy operation, the specimen feed drive is controlled by an intelligent, high precision control system, enabling semi-ultrathin slicing, starting from a thickness of 0.25 μ m. Secondly, the specimen feeding drive utilizes an intelligent control system and it has high precision on cutting. Moreover, this model has advanced drive systems; multiple functions including sectioning, trimming, fast forward, fast backward, conversion, among others. In addition, this microtome adopts imported cross-roller guide rails and a screw

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motion mechanism to ensure precision, thus achieving superior sectioning performance.

This model has an LCD screen that shows section and trimming thickness and number of sections and trims. Another great feature is that sectioning and trimming are completed through the control system. This model is equipped with a safety alert system, drive-overload protection mechanism and an automatic standby protection mechanism. Moreover, is easy and fast switching between different specimen clamps (two options: paraffin block clamp and cassette clamp). The hand-wheel balance is precisely adjusted and can be locked at any position to ensure the safety and convenience of operation. In addition, the blade holder can be laterally moved to avoid moving the blade with direct contact, thereby utilizing the entire length of blade (three different segments). Finally, the large-volume waste tray is easy to remove, and items such as disposable blades can be stored on the top of the housing.

Product Name: Semi-automated Rotary YR416.

Product Categories: Microtome.

Features:

- This product adopts a streamline design, and possesses advanced features with stable performance and easy operation.
- Specimen feed drive is controlled by an intelligent, high precision control system, enabling semi-ultrathin slicing, starting from a thickness of 0.25 μ m.
- Specimen feeding drive utilizes an intelligent control system, it has high precision on cutting.
- Advanced drive systems; multiple functions including sectioning, trimming, fast forward, fast backward, conversion etc.
- Adopts imported cross-roller guide rails and a screw motion mechanism to ensure precision, thus achieving superior sectioning performance.
- LCD screen shows section and trimming thickness, number of sections and trims.
- Sectioning and trimming are completed through the control system.
- equipped with a safety alert system, drive-overload protection mechanism and an automatic standby protection mechanism.
- 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 and convenience of operation.
- Blade holder can be laterally moved to avoid moving the blade with direct contact, thereby utilizing the entire length of 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 the easy changing 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 items such as disposable blades can be stored on the top of the housing.

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