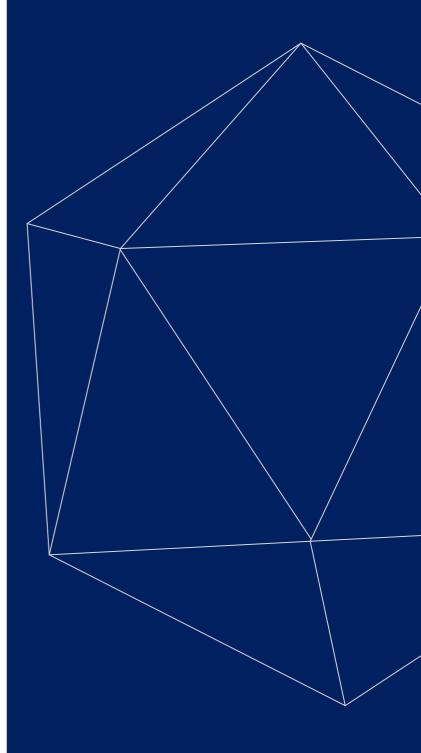


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PATHOLOGICAL ANATOMY MICROTOMES











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Rotary Microtome Model YR417

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.

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 There are multiple functions including specimen retraction and major parts. First, there is the microtome base plate or stage, 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 haven in your histology lab. Streamlined housing not safety and convenience of sectioning. only improves the appearance but also facilitates the cleaning process without the need to open the housing. This model uses imported cross-roller guide rails and a screw motion mechanism to **Product Name**: YR417 Rotary Microtome. ensure precision resulting in superior sectioning performance. Its **Product Categories**: Microtome. advanced high-precision micro-drive feed system enables even

and high precision sectioning. This model has a hand-wheel that is rotated based on a mechanical balance mechanism, and can be locked at any position, providing the maximum level of safety and convenience. The cassette holder can be locked at any position along each of the three axes, enabling easy adjustment of the specimen-sectioning angle.

trimming functions, along with replaceable specimen holding where rails secure the knife. Second, there is the knife holder base.system. In addition, the small coarse-advance hand-wheel is close to the operator, in accordance with an ergonomic design. The precise positioning system is not only easy to use, but also provides accurate X- and Y- axis adjustment. The blade holder can be laterally moved and adjusted, without the need to manually move the blade, that way it enables the use of the full length of the blade (slicing at three different segments). Hand-wheel balance is precisely adjusted and can be locked at any position to ensure the



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Technical Specifications:

- ✓ Section Thickness Setting Range: 0–60µm.
- ✓ Section thickness setting options:

0-20µm increment 1µm.

20-60µm increment 5µm.

- ✓ Trimming Thickness Setting Range: 0 60µm
- ✓ Minimum Setting of Sectioning Thickness: 1µm
- ✓ Maximum Specimen Size: 70×70mm (optional clamp)
- ✓ Trimming Thickness: 15µm and 35µm
- ✓ Specimen Retraction: 60µm (optional)
- ✓ Total Horizontal Specimen Feed:28mm;
- ✓ Vertical Specimen Stroke:70mm
- ✓ Movement Range of the Base of Blade Holder Base: 0-60mm (front to back)
- ✓ Movement Range of the Blade Press plate: 0-23mm
- ✓ Specimen Holder Rotation: at any angle within 360 degrees
- ✓ Specimen Orientation: XY 8°
- ✓ Precision Error: ±1%
- ✓ Dimensions: 590×500×330mm (W×D×H)
- ✓ Net weight: 37kg.

Rotary Microtome

Model YR417

Features:

- ✓ Streamlined housing not only improves the appearance but also facilitates the cleaning process without the need to open the housing.
- ✓ Uses imported cross-roller guide rails and a screw motion mechanism to ensure precision resulting in superior sectioning performance.
- ✓ Advanced high-precision micro-drive feed system enables even and high-precision sectioning.
- ✓ Hand-wheel is rotated based on a mechanical balance mechanism, and can be locked at any position, providing the maximum level of safety and convenience.
- ✓ Cassette holder can be locked at any position along each of the three axes, enabling easy adjustment of the specimen sectioning angle.
- ✓ Multiple functions including specimen retraction and trimming functions, along with replaceable specimen holding system.
- ✓ Small coarse-advance hand-wheel is close to the operator, in accordance with an ergonomic design.
- ✓ The precise positioning system is not only easy to use, but also provides accurate X- and Y- axis adjustment.
- ✓ Easy and fast switching between different specimen clamps (two options: paraffin block clamp and cassette clamp).
- ✓ The red bar on the blade holder covers the whole length of blade to protect the user and the push bar enables easy changing of the blade.
- ✓ The blade holder can be laterally moved and adjusted, without the need to manually move the blade, enabling use of the full length of the blade (slicing at three different segments).
- ✓ Hand-wheel balance is precisely adjusted and can be locked at any position to ensure the safety and convenience of sectioning.
- ✓ Well-designed tray on the top of housing, convenient use.
- ✓ Magnetically fixed large waste tray is easy to install and uninstall.



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Model YR418

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.

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. This microtome is the perfect choice for you if what you are looking for is a standard rotary type.

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. Figure Ergonomic design, greatly reducing the discomfort associated

Features:

- ✓ Streamlined housing not only improves the appearance but also facilitates the cleaning process without the need to open the housing; Also can put some consumables;
- ✓ Uses imported cross-roller guide rails and a screw motion mechanism to ensure precision
- ✓ resulting in superior sectioning performance;
- ✓ Advanced high-precision micro-drive feed system enables even and high-precision sectioning;
- ✓ Hand-wheel is rotated based on a mechanical balance mechanism, and can be locked at any position, providing the maximum level of safety and convenience;
- ✓ Cassette holder can be locked at any position along each of the three axes, enabling easy adjustment of the specimen sectioning ✓ Total Horizontal Specimen Feed:29mm;
- ✓ The precise positioning system is not only easy to use, but also provides accurate X- and Y- axis adjustment;
- ✓ Easy and fast switching between different specimen clamps (two ✓ Dimensions: 570×440×290mm (W×D×H) options: paraffin block clamp and cassette clamp);

- ✓ The red bar on the blade holder covers the whole length of blade to protect the user and the push bar enables easy changing of the blade:
- The blade holder can be laterally moved and adjusted, without the need to manually move the blade, enabling use of the full length of the blade (slicing at three different segments);
- with long hours of operation;
- ✓ Hand-wheel balance is precisely adjusted and can be locked at any position to ensure the safety and convenience of sectioning;
- ✓ Well-designed tray on the top of housing, convenient use;
- ✓ Magnetically fixed large waste tray is easy to install and uninstall.

Technical Specifications:

- ✓ Section Thickness Setting Range: 0–60µm
- Section thickness setting options:
- ✓ 0-10µm increment 1µm 10-20µm increment 2µm 20-60µm increment 5µm
- ✓ Minimum Setting of Sectioning Thickness: 1µm
- ✓ Precision Error: +1%
- ✓ Maximum Specimen Size: 60×50mm
- ✓ Vertical Specimen Stroke:60mm
- ✓ Specimen Retraction: 0~28µm
- ✓ Specimen Orientation: XY 8°
- ✓ Net weight: 28kg



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Model YR419

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.

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 Uses

This rotary microtome has an ergonomic design, greatly reducing the ✓ Convenient N-type blade holder and E-type holder for disposable discomfort associated with long hours of operation. It is ideal for sectioning using either a standard blade or disposable blade. Cassette ✓ holder can be locked at any position along each of the three axes, enabling easy adjustment of specimen slicing angle. In addition, right operation hand-wheel can be locked at any position, providing maximum safety and convenience. It has a specimen retraction and replaceable cassette holder system. The blade holder base can be moved forward-or-backward and left-or-right flexibly to eliminating any contact of the fingers with the blade. It has a convenient N-type blade holder and E-type holder for disposable blades. The red bar on ✓ the blade holder covers the whole length of blade to protect the user ✓ and the push bar enables easy changing of the blade. The easy-toclean well-sealed housing does not need to be removed for cleaning. 2 - 10µm Its large-volume waste tray is easy to remove and clean.

Features:

- ✓ Ergonomic design, greatly reducing the discomfort associated with ✓ long hours of operation.
- ✓ Ideal sectioning for using either a standard blade or disposable
- ✓ Cassette holder can be locked at any position along each of the three axes, enabling easy adjustment of specimen slicing angle.
- ✓ Right operation hand-wheel can be locked at any position, providing maximum safety and convenience.
- ✓ Specimen retraction and replaceable cassette holder system.
- Blade holder base can be moved forward-or-backward and left-orright flexibly to eliminating any contact of the fingers with the

blade.

- The red bar on the blade holder covers the whole length of blade to protect the user and the push bar enables easy changing of the blade.
- ✓ Easy-to-clean well-sealed housing does not need to be removed. for cleaning.
- ✓ Large-volume waste tray is easy to remove and clean.

Technical Specifications:

- Section Thickness Setting Range: 0 60µm.
- Section thickness setting: 0 60µm.
- 0 2um increment 0.5µm.
- increment 1µm.
- 10 20µm increment 2µm.
- 20 60µm increment 5µm.
- Precision Error: ±1%.
- ✓ Minimum Setting of Sectioning Thickness: 0.5µm.
- Maximum Specimen Size: 60×50 mm.
- ✓ Total Horizontal Specimen Feed: 24 mm.
- ✓ Vertical Specimen Stroke: 52 mm.
- ✓ Specimen Retraction: 0 28 mm.
- ✓ Trimming Thickness: 1 60µm.
- ✓ Dimensions: 565×440×285mm (W×D×H).
- ✓ Net weight: 27kg.



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Rotary Microtome Model YR420

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.

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. You should know that the model we are offering you is a high-end device that will give you the results you need, in order to accomplish the exact sample cuts.

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. **Product Name**: YR420 Rotary Microtome. In a rotary microtome, the knife is typically fixed in a horizontal position. This microtome is the perfect choice for you if what you are looking for is a standard rotary type.

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 The sectioning thickness can be set at any value block holder, which hold the paraffin block in place. Moreover, there > 35µm is the coarse hand wheel and finally there is the micron adjustment.

Rotary Microtome Uses

The section thickness setting range is 1 -35 µm for continuous sectioning. You should know that the sectioning thickness can be set at any value >35 µm. The minimum setting of sectioning Thickness is $1\mu m$ with a precision Error of ± 1 ?. The maximum Specimen Size is 60 × 40 mm. Moreover, the blade holder is capable of holding both high profile and low-profile blades. The blade holder for disposable blade and blade holder for steel blade can be quickly exchanged. Finally, its dimensions are $420 \times 330 \times$ 330 mm (W×D×H) and its net weight is 19 kg.

Product Categories: Microtome.

Features:

✓ Section Thickness Setting Range: 1 -35µm for continuous sectioning.

- ✓ Minimum Setting of Sectioning Thickness: 1µm.
- ✓ Precision Error: ±1?.
- ✓ Maximum Specimen Size: 60×40 mm.
- ✓ Blade holder is capable of holding both high-profile and lowprofile blades.
- ✓ Blade holder for disposable blade and blade holder for steel blade can be quickly exchanged.
- ✓ Dimensions: 420×330×330mm (W×D×H).
- ✓ Net weight: 19kg.



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Model YR421

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.

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. You should know that the model we are offering you is a high-end device that will give you the results you need, in order to accomplish the exact sample cuts.

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. This microtome is the perfect choice for you if what you are looking for is a standard rotary type.

Rotary Microtome Parts

Before you purchase a microtome, you should get familiar with its **Product Features**: 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 is a very common device in microscopic area, which is why we are giving you the high-end option according to your demands ✓ Dimensions: 420×330×330 mm (W×D×H). and needs. The section thickness setting range is 1 -35 µm for continuous sectioning. You should know that the sectioning thickness can be set at any value >35 µm. The maximum

Specimen Size is 50 × 40 mm. The minimum setting of sectioning Thickness is 1 μ m with a precision Error of ±5?. Finally, its dimensions are 420 × 330 ×330 mm (W×D×H) and its net weight is 19 kg.

Product Name: YR421 Rotary Microtome.

✓ Section Thickness Setting Range: 1 - 35µm for continuous sectioning.

The sectioning thickness can be set at any value

- ✓ Maximum Specimen Size:50×40mm.
- ✓ Minimum Setting of Sectioning Thickness: 1µm.
- ✓ Precision Error: ±5?.
- ✓ Net weight: 19kg.



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Model YR422

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. You should know that the model we are offering you is a high-end device that will give you the results you need, in order to accomplish the exact sample cuts.

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. This microtome is the perfect choice for you if what you are looking for is a standard rotary type.

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 **Technical Specifications**: block holder, which hold the paraffin block in place. Moreover, there is the coarse hand wheel and finally there is the micron adjustment.

Section thickness range

Rotary Microtome Uses

This rotary microtome has an easy-to-clean housing. The section thickness setting range is 1 -35µm for continuous sectioning. You should know that the sectioning thickness can be set at any value >25µm. The minimum setting of sectioning Thickness is 1µm with a precision Error of ±5?. The maximum Specimen Size is 40×30 mm. Moreover, blade holder can be moved forward-or-backward and left- ✓ Maximum Specimen Size:40×30mm. or-right resulting in easy trimming and sectioning operations. In addition, this model has an LCD screen that shows the number of sections and trims, equipped with a safety alert system. Finally, its

dimensions are 340×335×270mm (W×D×H) and its net weight is 18.5kg.

Features:

- ✓ Easy-to-clean housing.
- ✓ Blade holder can be moved forward-or-backward and left-orright resulting in easy trimming and sectioning operations.
- ✓ LCD screen shows the number of sections and trims; equipped with a safety alert system.

- ✓ 0 25µm for continuous sectioning.

The sectioning thickness can be set at any value >

- Minimum Setting of Sectioning Thickness: 1µm.
- ✓ Precision Error: ± 5%.
- ✓ Dimensions: 340×335×270mm (W×D×H).
- ✓ Net weight: 18.5kg



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Model YR423

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

Microtomy is a method for preparing thin sections for materials such as bones, minerals, and teeth, and an alternative to electropolishing and ion milling. The microtome sections can be made thin enough to cut a human hair across the width. You should know that the model we offer you is a high-end device that will give you the results you need to achieve the exact sample cuts.

Rotary Microtome

The Kalstein YR423 rotary microtome is a simple but practical model. This product consists of a crank drive system and ratchet wheel feed mechanism, and can provide smooth, continuous cutting.

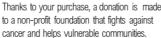
Product name: YR423 rotary microtome. Product categories: Microtome.

Main Features and Technical Specifications

- ✓ Section thickness setting range: 0 25 μm with an increment of 1 μm
- ✓ Cutting thickness adjustment range: 0 500µm
- ✓ Minimum setting of cutting thickness: 1 µm
- ✓ Maximum sample size: 35 × 25 mm
- ✓ Total horizontal sample feed: 30mm
- ✓ Sample vertical stroke: 55 mm
- ✓ Accuracy error: ± 5 %
- ✓ Dimensions: 280 × 300 × 240mm (W × D × H)
- ✓ Net weight: 20kg



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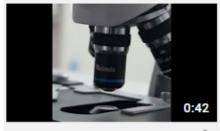
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