



Company Overview

From its beginning as China's former State Electronic Medical Instruments Co. Ltd.(also known as Jinhua Radio Factory), Zhejiang Jinhua Kedee Instrumental Equipment Co. Ltd (JINHUA KEDEE) established itself after a system reform in 1997 with the goal of providing top-quality histopathology systems. Having received GB/T19001-2000: ISO9001-2000 and ISO 13485: 2003/AC:2007 International Quality Management System certifications, JINHUA KEDEE combines meticulous research and development along with the manufacture of histopathology systems and consumables. This combination of skills allows us to provide not only reliable instruments, but also professional support services to our customers.

With nearly four decades of experience, sophisticated equipment, and capable technical and production management teams behind us, we are able to cover every facet of one's histopathology needs. We specialize in the manufacture of:

- Rotary Paraffin Microtome (manual and automated)
- Computer Rapid Freezing and Paraffin Microtome
- Computer Semi-automated Ultrathin Microtome
- Cryostats
- Tissue Embedding Systems
- Automated Tissue Processors
- Automated Slide Stainers
- Slide Dryers, Water bath, Tissue Flotation Baths
- Paraffin Trimmers, Paraffin Dispenser
- Misc. Consumables

JINHUA KEDEE has developed a team consisting of senior technical personnel including mechanical, electrical, and computer experts, and has been investing in research and development of new products. In 2007, JINHUA KEDEE was honored as an industrial design innovation leader in Jinhua city; in 2009, JINHUA KEDEE was recognized as an outstanding private enterprises in Zhejiang Province; in 2010, JINHUA KEDEE was accredited as a high-tech enterprise in Jinhua city; in 2011, JINHUA KEDEE was accredited as a model enterprise in Jinhua city; in 2012, JINHUA KEDEE was accredited as a leading innovation company in the High-tech Industrial Park of Jinhua city; and, in 2013, JINHUA KEDEE established a high-tech R&D center acknowledged by the Science and Technology Bureau of Jinhua city. In addition, JINHUA KEDEE owns the intellectual property rights for its products and has earned 12 patents, including two invention patents.

JINHUA KEDEE has been growing at high levels in recent years, and its products have been generally well recognized within various levels of hospitals, universities, research organizations and laboratories involving multiple fields such as biomedicine, life science, agriculture and forestry, health care, disease control and prevention, animal husbandry, and veterinary medicine. JINHUA KEDEE has been gaining high praise extensively for the stable quality of its products and satisfactory customer service. In particular, JINHUA KEDEE has continuously won the bids for the purchasing contracts of several projects launched by the Ministry of Agriculture, such as “Development of District without the Listed Animal Disease in Animal Husbandry Regulations” and “Monitoring of Animal Epidemic Diseases”. JINHUA KEDEE’s products have been exported to Europe, Americas, Africa and Southeast Asia.

Company tenet:

“With Customer Satisfaction as our ultimate goal, We Will provide Sincere Service, Technological Innovation, and Reasonable Prices to Serve Our Clients”



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KD-3398 Fully Automated Microtome

Features:

- This machine uses a streamlined design, with advanced features, stable and reliable performance and ease of use;
- The feeding system uses an intelligent control mechanism; enabling quick switching between manual or automated smart sectioning modes; automatic slicing speed is adjustable;
- Advanced drive systems and multiple functions including sectioning, trimming, fast forward, fast backward, quick mode conversion including automatic retraction;
- Incorporates an international advanced screw motion mechanism to ensure precision, thus achieving superior sectioning performance;
- Pure-green digital display of slice thickness, trimming thickness, slice count and slice speed;
- Trimming and slicing are operated under a control system, and can be switched easily. The automated slicing controller can be equipped at either the left or right side; when automated slicing controller is off, semi-auto slicing or trimming can still be performed;
- Automatic sectioning speed is continuously adjustable
- With safety and emergency braking systems, security alarm systems, driver overload protection and an auto-sleep protection system;
- Features 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 safety of operation;
- Blade holder can be laterally moved to avoid moving the blade with direct contact, thereby enabling use of the entire length of the blade. (three different segments);
- The red protection 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;
- 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.



Technical Specifications

- Section Thickness Setting Range: 0.25—100 μ m
 - 0.25—2.5 μ m increment 0.25 μ m
 - 2.5—5 μ m increment 0.5 μ m
 - 5.0—10 μ m increment 1 μ m
 - 10—30 μ m increment 2 μ m
 - 30—60 μ m increment 5 μ m
 - 60—100 μ m increment 10 μ m
- Trimming Thickness Setting Range: 1—600 μ m
 - 1—10 μ m increment 1 μ m
 - 010—020 μ m increment 2 μ m
 - 020—050 μ m increment 5 μ m
 - 050—150 μ m increment 10 μ m
 - 150—600 μ m increment 50 μ m
- Retraction Setting Range: 0—50 μ m (0 is off)
 - 5-10-15—50 (optional)
- Minimum Setting of Sectioning Thickness: 0.25 μ m
- Horizontal Feed: 28mm
- Vertical Specimen Stroke: 70mm
- Specimen Holder Rotation: at any angle within 360 degrees
- Movement Range of the Base of Blade Holder Base: 0-60mm (front to back)
- Movement Range of the Blade Press plate: 0-23mm
- Specimen Clamp Rotation: at any angle within 360 degrees
- Specimen Orientation: XY – 8°
- Maximum Specimen Size: 70×70mm (optional clamp)
- Feed speed adjust: 1500 μ m/s ~ 3500 μ m/s
- Precision Error: $\pm 1\%$
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 150W
- Dimensions: 580× 475× 340mm(W×D×H)
- Net Weight: 41kg

KD-3368AM Fully Automated Microtome



Features:

- This machine uses a streamlined design, with advanced features, stable and reliable performance and ease of use;
- Specimen feeding drive utilizes an intelligent control system;
- This model utilizes a precise electrical mechanical design integrated with an ergonomic design concept;
- Either manual or fully automated section mode can be chosen. The speed of automated sectioning is adjustable;
- 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;
- LCD screen shows section and trimming thickness, as well as number of sections;
- Switching between section and trimming mode is easily accomplished by the control system;
- There are two fully automatic slicing modes: single and continuous slicing. Automatic sectioning speed is continuously adjustable;
- 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 - 100μm
 - 0 - 2μm increment 0.5μm
 - 2 - 10μm increment 1μm
 - 10 - 20μm increment 2μm
 - 20 - 100μm increment 5μm
- Trimming Thickness Setting Range: 0 - 600μm
 - 1 - 10μm increment 1μm
 - 10 - 20μm increment 2μm
 - 20 - 100μm increment 10μm
 - 100 - 600μm increment 50μm
- Minimum Setting of Sectioning Thickness: 0.5μm
- Total Horizontal Specimen Feed: 28mm
- Vertical Specimen Stroke: 52mm
- Movement Range of the Base of Blade Holder Base: 0-60mm (front to back)
- Movement Range of the Blade Press plate: 0-23mm
- Specimen Retraction: 20μm
- Automatic Return of Specimen
- Specimen Clamp Rotation: at any angle within 360 degrees.
- Specimen Orientation: XY – 8°
- Maximum Specimen Size: 50x70mm (optional clamp)
- Precision Error: ±1%
- Working Voltage: AC 220V±10% 50Hz (standard model) / AC110V±10% 60HZ
- Power: 150W
- Dimensions: 600×495×307 mm (W×D×H)
- Net weight: 32kg

KD-ST 5500 Semi-automated Rotary Microtome

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 – 10 μ m	increment 1 μ m
10 – 30 μ m	increment 2 μ m
30 – 60 μ m	increment 5 μ m
60 – 100 μ m	increment 10 μ m

- Trimming Thickness Setting Range: 1 – 600 μ m

1 - 10 μ m	increment 1 μ m
10 - 20 μ m	increment 2 μ m
20 - 50 μ m	increment 5 μ m
50 - 150 μ m	increment 10 μ m
150 - 600 μ m	increment 50 μ m
- Retraction Setting Range: 0—100 μ m (0 is off)
5-10-15—50 (optional)
- Whole layer clearance distance Range: 10 – 6000 μ m
10-12-15-20-25~5000~6000 μ m
- Minimum Setting of Sectioning Thickness: 0.25 μ m
- 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: 2000 μ m/s
- Precision Error: ±1%
- Working Voltage: AC 220V±10% 50Hz (standard model) / AC 110V±10% 60HZ
- Power: 100W
- Dimensions: 480×410×310 mm (W×D×H)
- Net weight: 28kg

KD-3390 Semi-automated Rotary Microtome

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: 70×70mm
- 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

KD-3358 Semi-automated Rotary 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.



Technical Specifications:

- Section Thickness Setting Range: 0 - 60 μ m
 - 0 - 1 μ m increment 0.25 μ m
 - 1 - 10 μ m increment 1 μ m
 - 10 - 20 μ m increment 2 μ m
 - 20 - 60 μ m increment 5 μ m
- Trimming Thickness Setting Range: 0 - 900 μ m
 - 1 - 10 μ m increment 1 μ m
 - 10 - 20 μ m increment 2 μ m
 - 20 - 100 μ m increment 5 μ m
 - 100 - 900 μ m increment 50 μ m
- Minimum Setting of Sectioning Thickness: 0.25 μ m
- Total Horizontal Specimen Feed: 28 mm
- Vertical Specimen Stroke: 52 mm
- Movement Range of the Base of Blade Holder Base: 0-60mm (front to back)
- Movement Range of the Blade Press plate: 0-23mm
- Specimen Clamp Rotation: any angle within 360 degrees
- Specimen Orientation: XY – 8°
- Maximum Specimen Size: 50×70mm (optional clamp)
- Precision Error: $\pm 1\%$
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC 110V $\pm 10\%$ 60Hz
- Power: 100W
- Dimensions: 580×410×305mm(W×D×H)
- Net weight: 29kg

KD-2268 Rotary Microtome

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.



Technical Specifications:

- Section Thickness Setting Range: 0–60µm
- Section thickness setting options:
 - 0–2µm increment 0.5µm
 - 2–20µm 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

KD-2260 Rotary Microtome

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 angle;
- 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);
- Ergonomic design, greatly reducing the discomfort associated 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:

0–2μm	increment 0.5μm
2–10μm	increment 1μm
10–20μm	increment 2μm
20–60μm	increment 5μm
- Trimming Thickness Setting Range: 0 - 60μm

- Minimum Setting of Sectioning Thickness: 1 μ m
- Total Horizontal Specimen Feed: 29mm;
- Vertical Specimen Stroke: 60mm
- 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
- Maximum Specimen Size: 60 \times 70mm (optional clamp)
- Specimen Orientation: XY – 8°
- Precision Error: $\pm 1\%$
- Dimensions: 570 \times 440 \times 290mm (W \times D \times H)
- Net weight: 28kg

KD-2508 Rotary Microtome



KEDEE KD-2508 Manual Rotary Microtome integrates internationally advanced technology and design, and is equipped with high-precision roller guide rails to ensure high precision operation. With stable performance, comfortable and flexible operation, and minimized abrasion, this product can produce even high-quality continuous sections, comparable to that of the well-known imported brand; thus, it is an ideal device for histological and pathological use.

Technical Specifications:

- Section Thickness Setting Range:
 - 1 -35 μ m for continuous sectioning;
 - The sectioning thickness can be set at any value >35 μ m
- Trimming Thickness Setting Range: 0 – 500 μ m
- Minimum Setting of Sectioning Thickness: 1 μ m
- Specimen Holder Rotation: at any angle within 360 degrees
- Specimen Orientation: XY – 8°
- Total Horizontal Specimen Feed: 28 mm
- Vertical Specimen Stroke: 60 mm
- Movement Range of the Base of Blade Holder Base: 0-60mm (front to back)
- Movement Range of the Blade Press plate: 0-23mm
- Precision Error: $\pm 1\%$
- Maximum Specimen Size: 50×60 mm (optional clamp)
- Blade holder is capable of holding both high-profile and low-profile 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

KD-1508A Rotary Microtome



KEDEE KD-1508A Rotary Microtome integrates internationally advanced technology and design to ensure high precision, stable performance, and easy operation. This product can produce even, high-quality continuous sections, and has become a very popular type of microtome.

Technical Specifications:

- Section Thickness Setting Range:
 - 1 - 35 μ m for continuous sectioning;
 - The sectioning thickness can be set at any value $>35\mu$ m
- Trimming Thickness Setting Range: 0 – 500 μ m
- Minimum Setting of Sectioning Thickness: 1 μ m
- Specimen Holder Rotation: at any angle within 360 degrees
- Specimen Orientation: XY – 8°
- Total Horizontal Specimen Feed: 28 mm
- Vertical Specimen Stroke: 60 mm
- Movement Range of the Base of Blade Holder Base: 0-50mm (front to back)
- Maximum Specimen Size: 50×60mm (optional clamp)
- Precision Error: $\pm 5\%$
- Dimensions: 420×330×330 mm (W×D×H)
- Net weight: 19kg

KD-202A Rotary Microtome



KEDEE KD-202A Rotary Microtome is a new 202 series possessing multiple features, such as a neat streamlined-shape housing, a hand-wheel that can be locked at the highest position, safe change specimen cassette, and LCD display and safety alert system. This well-made and cost-competitive product can provide evenly sliced sections reliably and safely.

Features and Technical Specifications:

- Easy-to-clean housing
- Blade holder can be moved forward-or-backward and left-or-right resulting in easy trimming and sectioning operations
- LCD screen shows the number of sections and trims; equipped with a safety alert system
- Section thickness range:
 - 0 - 25 μ m for continuous sectioning;
 - The sectioning thickness can be set at any value >25 μ m
- Trimming Thickness Setting Range: 0 – 500 μ m
- Minimum Setting of Sectioning Thickness: 1 μ m
- Specimen Orientation: XY – 8°
- Total Horizontal Specimen Feed: 30 mm
- Vertical Specimen Stroke: 55 mm
- Movement Range of the Base of Blade Holder Base: 0-50mm (front to back)
- Movement Range of the Knife: 0-20mm
- Maximum Specimen Size: 50×60mm (optional clamp)
- Precision Error: $\pm 5\%$
- Dimensions: 340×335×270mm (W×D×H)
- Net weight: 19kg

KD-202 Rotary Microtome



KEDEE KD-202 Rotary Microtome is a simple but practical model. This product consists of a crank driving system and ratchet wheel feeding mechanism, and can provide even and continuous sectioning.

Technical Specifications:

- Section Thickness Setting Range: 0 - 25 μ m with an increment of 1 μ m
- Trimming Thickness Setting Range: 0 – 500 μ m
- Minimum Setting of Sectioning Thickness: 1 μ m
- Maximum Specimen Size: 35 \times 25 mm
- Total Horizontal Specimen Feed: 30 mm
- Vertical Specimen Stroke: 55 mm
- Precision Error: $\pm 5\%$
- Dimensions: 280 \times 300 \times 240mm (W \times D \times H)
- Net weight: 20kg

KD-FM Fast Freezing Machine

KD-FM adopts high-power semi-conductor freezing system and advanced material. LCD shows setting and current temperature, self-temperature control, self-protection systems and defrosts function etc. Fast freezing machine connecting to the microtome is used to cut fresh-frozen tissue.



Technical specifications:

- Pre-setting temperature range: ambient \sim -55 $^{\circ}$ C
- Maximum temperature range for Cryo-plate $\geq 60^{\circ}$ C
- Maximum temperature range for Cryo-probe: $\geq 50^{\circ}$ C
- Maximum size of Cryo-plate: 45 x 40mm
- Pre-setting and real temperature shown in LCD
- Best section angle between Cryo-knife and section blade is 60 degrees
- Temperature of defrost display, pre-setting temperature can be stored itself after working
- Temperature of section can be reached after freezing within 4 \sim 7 minutes
- Quick freezing systems, energy-saving
- Dual function section: Freezing and paraffin use
- Dual function section: Freezing and paraffin use
- Working Voltage: AC220V \pm 10%50Hz (standard model); AC110V \pm 10%60Hz
- Total Power: 25W
- Dimensions: 450 \times 300 \times 320mm (W \times D \times H)
- Net Weight: 10kg

KD-400 Vibrating Microtome

Features:

This instrument is designed to slice animal and plant specimens, either fresh or fixed, without freezing and embedding or processing. This method avoids the crystallization-caused damage to tissue samples and maximally preserves the bioactivity and morphology of cells; thus, it is an ideal tool for the immune cyto chemical research and the neurobiology of the spinal cord and brain slice. KD-400 Vibratome is one of the best quick sample-slicing machines used in the field of modern electron microscopy, anatomy, embryology, physiology, biology, and scientific research.

This instrument can achieve slicing with a minimum thickness of 10 μ m for fixed tissues such as fixed brain and spinal cord, and 30 μ m of fresh tissue (brain, heart, and kidney, etc.). Using this instrument, the user can obtain intact and smooth slices for even staining.



Technical Specifications:

- Slicing Speed: 0-1.3mm/s (stepless speed control)
- Vibration Amplitude: 0-1 mm (adjustable)
- Range of the Height Adjustment of the Specimen Platform: 20 mm
- Fine Adjustment of Slicing Thickness: 1 μ m (minimum)
- Section Thickness Setting Range: 10 μ m~2cm
- Angle of the Blade Position: 15° (using the razor blades made in China)
- Working Voltage: AC220V \pm 10%50Hz (standard model); AC110V \pm 10%60Hz
- Total Power: 200W
- Dimensions: 370 \times 225 \times 290mm (W \times D \times H)
- Net weight: 13kg

KD-BM & BL Tissue Embedding & Cooling System



Features:

- Fully programmable computer controls allow automatic system start and stop anytime (weekly);
- Temperature is controlled by microprocessors made in the USA and they are displayed using color-changing LEDs to enable clear visibility of working status;
- Five heated areas, including Paraffin Chamber, Paraffin Dispenser, left and right Thermal Storage Compartments, and heating plate (working area), are individually controlled and work independently without interference from each other;
- Flexible heating mechanism overcomes the shortcomings of traditional technology that can result in excessive temperature differences. System provides fast heating and precise temperature control. In addition, the dual-protection from overheating is safe, reliable and energy-saving;
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system;
- Flexible module configuration options through a design which separates the Cryo Module from Embedding Module;
- Safe and reliable low-voltage illumination system;
- Heated working plate and forceps wells make tissue embedding more convenient;
- Large granite working area eases the cleanup of excessive paraffin.

Technical Specifications:

- 70°C is set as the paraffin-heating temperature based on the latest internationally accepted principles indicating that tissue embedded in paraffin might be damaged due to excessive shrinkage of paraffin blocks when heating temperature is above 70°C
- Paraffin Chamber Capacity: 3 liters

- Temperature Range of Forceps Wells: 55 - 70°C
- Temperature Range of Paraffin-melting Chamber: 55 - 70°C
- Temperature Range of Thermal Storage Compartments: 55 - 70°C
- Temperature Range of Heated Working Areas: 55 - 70°C
- Temperature Range of Paraffin dispenser: 55 - 70°C
- Temperature Control Precision: $\pm 1\%$
- Paraffin Flow Control: Paraffin flow control via finger touch plate and optional foot pedal
- Fully programmable ON/OFF control allows automatic system start and stop anytime weekly
- Working Temperature of Cryo-Module: $\leq -20^{\circ}\text{C}$
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 650W (KD-BM), 300W (KD-BL)
- Dimensions: 525×550×385 mm (W×D×H) (KD-BM)
590×345×385 mm (W×D×H), (KD-BL)
- Net weight: 26kg (KD-BM); 27kg (KD-BL)

KD-BM II &BL II Tissue Embedding &Cooling System



Features:

- Fully programmable computer controls allow automatic system start and stop anytime (weekly);
- Temperature is controlled by using microprocessors made in the USA and are displayed by using color-changing LED to enable clear visibility of working status;
- Five heated areas, including Paraffin Chamber, Paraffin Dispenser, left and right Thermal Storage Compartments, and heating plate (working area), is individually controlled and work independently without interference by each other;
- Flexible heating mechanism
 - overcomes the shortcomings of traditional technology that results in excessive temperature differences
 - provides fast heating and precise temperature control
 - dual-protection of overheating makes this system safe, reliable and energy saving
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system;
- Flexible module configuration options through a design which separates the Cryo Module from the Embedding Module;
- Cryo Plate which is equipped with this system can be used to freeze embedded tissue anytime;
- Paraffin Chamber with a super large capacity enables embedding a large number of specimens at the same time;
- Safe and reliable low-voltage illumination system;
- Heated working plate and forceps wells make tissue embedding more convenient
- Large granite working area eases the cleanup of excessive paraffin.

Major Technical Specifications:

- 70°C is set as the paraffin-heating temperature based on the latest internationally accepted principle indicating that tissue embedded in paraffin might be damaged due to excessive shrinkage of paraffin blocks when heating temperature is above 70°C
- Paraffin Chamber Capacity: 5 liters
- Temperature Range of Forceps Wells: 55 - 70°C
- Temperature Range of Paraffin Chamber: 55 - 70°C
- Temperature Range of Thermal Storage Compartments: 55 - 70°C
- Temperature Range of Heating Plate: 55 - 70°C
- Working Temperature of Small Cooling Plate: 15°C lower than the working area surface
- Temperature Control Precision: $\pm 1\%$
- Paraffin Flow Control: Paraffin flow control via finger touch plate and optional foot pedal
- Fully programmable ON/OFF control allows automatic system start and stop anytime weekly
- Working Temperature of Cryo Module: $\leq -20^{\circ}\text{C}$
Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC 110V $\pm 10\%$ 60Hz
- Power: 800W (KD-BMII), 300W (KD-BLII)
- Dimensions: 560 \times 550 \times 385 mm (W \times D \times H)(KD-BMII)
590 \times 345 \times 385 mm (W \times D \times H)(KD-BLII)
- Net weight: 35kg (KD-BMII) , 24kgs (KD-BLII)

KD-BMIII, KD-BLIII, and KD-BC Tissue Embedding & Cooling System



Features:

- Fully programmable computer control allows automatic system start and stop anytime (weekly);
- The use of new silicon rubber heating elements achieves rapid even, reliable, energy saving heating;
- Temperature is precisely measured by temperature-sensing integrated blocks made in USA, and is LCD-displayed with icons demonstrating current working status;
- Five heated areas, including Paraffin Chamber, Paraffin Dispenser, left and right Thermal Storage Compartments, and heating plate (working area), are individually controlled and work independently without interference from each other.
- Five temperature-control channels and multiple overheating protection mechanisms provide safe, reliable, and energy-saving protection;
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system;
- Flexible module configuration options through a design which separates the Cryo Module from Embedding Module, enabling easy maintenance;
- Freezing temperature can be adjusted due to the use of a new-type inverter compressor;
- The temperature of the cryo plate equipped with this system is controlled independently and can be used to freeze tissue more conveniently, particularly for small specimens;
- Paraffin Chamber with super large capacity enables embedding a large number of specimens

at same time;

- Safe and reliable low-voltage illuminating system with two ON/OFF control options (finger or foot-operated);
- Heated working plate and forceps wells make tissue embedding more convenient;
- High-precision clock makes time setting more convenient and accurate.
- There is an automatic actuation, can make sure the unit will continue working after a power-down.
- Using the imported solenoid valve to help the Paraffin Dispenser to adjust the flow rate;
- This unit set the control power socket, it can work with BL and BC and the same time.

Technical Specifications:

- Paraffin Chamber Capacity: 4 liters
- Temperature Range of Forceps Wells: RT - 85°C
- Temperature Range of Paraffin Chamber: RT - 85°C
- Temperature Range of Thermal Storage Compartment: RT - 85°C
- Temperature Range of Working Plate (hot plate): RT - 85°C
- Temperature Range of Paraffin Dispenser: RT - 85°C
- Temperature Range of Thermal Storage Plate: RT - 85°C
- Temperature Control Precision: $\pm 1\%$
- Thermal Storage Compartment Capacity: 4.5 liters
- Paraffin Flow Control: Paraffin flow control via finger touch plate and optional foot pedal
- Fully programmable ON/OFF control allows automatic system start and stop anytime weekly
- Temperature Range of Cryo Module: RT to -20°C
- Temperature Setting of Cryo Module: the optimal working temperature is approximately -15°C, and the temperature is under delay protection
- Dimensions of working plate (BMIII): 155×90mm
- Dimensions of small cold plate (BMIII): 60×50mm
- Dimensions of Cryo Module (BLIII): 340×322mm
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 1000W (KD-BMIII), 300W (KD-BLIII), 180W (KD-BC)
- Dimensions:
 - 670×590×445 mm (W×D×H) (KD-BMIII)
 - 685×380×430 mm (W×D×H) (KD-BLIII)
 - 620×380×425 mm (W×D×H) (KD-BC)
- Net weight:
 - 33kg (KD-BMIII)
 - 26kg (KD-BLIII)
 - 15kg (KD-BC)

KD-BMIV & BLIV Tissue Embedding & Cooling System



Features:

- OLED screen: energy-saving, crisp display without the necessity of background light, clear vision without blind spots from any angle;
- Flexible heating mechanism and PID technology are used to achieve fast heating and precise temperature control;
- Seven working areas, including Paraffin Chamber, Paraffin Dispenser, left and right Thermal Storage Compartments, heating plate (working plate), small Cooling Plate, and Cryo Module are individually controlled and work independently without interference by each other;
- Adjustable gravity-feed paraffin dispenser using latest heating and DC low-voltage control mechanism: dispenser is heated with wrapping-type heating film to achieve smooth, safe and reliable heating;
- Trimming plates at both sides for convenient tissue block trimming;
- A big magnifying glass can be adjusted at any direction and angle, suitable for embedding extremely small tissue specimens;
- Manual and automated operation modes: under a manual mode, the system can be started and stopped any time; under an automated mode, ON/OFF can be set at any weekday, hour and minute; all settings are automatically stored once the program starts to run;
- All buttons are equipped with luminotron to clearly show the working status;
- Low-voltage, safe and bright LED lamp: both angle and brightness are adjustable, enabling easy and convenient specimen observation;
- Flexible module configuration options (left-to-right or right-to-left) through a design separating Cryo Module from Embedding Module; Cryo Module can be automatically started or stopped along with Embedding Module by optionally using a power serial port;
- Freezing temperature can be adjusted due to the use of a new-type inverter compressor;

- There is an automatic actuation, can make sure the unit will continue working after a power-down.

Technical Specifications:

For KD-BMIV Embedding center:

- Paraffin Chamber Capacity: ≥ 6 liters
- Temperature Ranges: RT - 85°C:
- Temperature Control Precision: $\pm 1\%$
- Paraffin Flow Control: Paraffin flow control via finger touch plate and optional foot pedal
- Fully programmable ON/OFF control allows automatic system start and stop anytime weekly
- Dimensions of Paraffin Chamber (BMIV): 495×132×95mm(W x D x H)
- Dimensions of Thermal Chamber (each of two) : 240×160×50 mm(W x D x H)
- Working area of Embedding Module: 540mm×93mm
- Dimensions of small cold plate: 60×50mm
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 1000W (KD-BMIV)
- Dimensions: 675×575×390mm(W x D x H) (KD-BMIV)
- Net weight: 39kg (KD-BMIV)

For KD-BLIV Cooling system:

- Temperature Ranges of Cryo Module: 0 to -20°C
- Temperature setting of Cryo Module: the optimal working temperature is approximately -10°C, and the temperature is under delay protection
- Dimensions of Cryo Module: 315×380 mm
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 300W (KD-BLIV)
- Dimensions: 710×350×390mm (W×D×H) (KD-BLIV)
- Net weight: 25kg (KD-BLIV)

KD-H Slide Dryer (Oven)



Features:

- Quick heating, long lifespan, and energy-saving, due to the use of a new-type heating element;
- Both actual and preset temperatures are displayed;
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system;
- Special black surface material characterized by its strong resistance to abrasion and corrosion

Technical Specifications:

- Temperature Range: continuously adjusted in a range of RT to 90°C and maintained automatically;
- Temperature Control Precision: $\pm 1^{\circ}\text{C}$;
- Suitable Environmental Temperature: 0 - 40°C;
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 200W
- Dimensions: 360 \times 350 \times 120mm (W \times D \times H)
- Net weight: 5kg

KD-HIII Slide Dryer (Oven)



Features:

- Quick heating, long lifespan, and energy-saving, due to the use of a new-type heating element;
- Both actual and preset temperatures are displayed;
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system;
- Special black surface material characterized by its strong resistance to abrasion and corrosion

Technical Specifications:

- Temperature Range: continuously adjusted in a range of RT to 90°C and maintained automatically;
- Temperature Control Precision: $\pm 1^{\circ}\text{C}$;
- Suitable Environmental Temperature: 0 - 40°C;
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 200W
- Dimensions: 360 \times 350 \times 135mm (W \times D \times H)
- Net weight: 6kg

KD-P Water Bath



Features:

- Quick heating, long lifespan and energy saving, due to the use of a new-type heating element;
- Both actual and preset temperatures are displayed;
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system;
- Special black surface material characterized by its strong resistance to abrasion and corrosion.

Technical Specifications:

- Temperature Range: continuously adjusted in a range of RT to 90 °C and maintained automatically
- Temperature Control Precision: $\pm 1^{\circ}\text{C}$;
- Dimensions of Water Bath Dish: 240×180×50mm(W×D×H)
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model) AC 110V $\pm 10\%$ 60Hz
- Power: 200W
- Dimensions: 360×350×120mm (W×D×H)
- Net Weight: 5kg

KD-P II Flootation Water Bath

Features:

- Pure-green digital display for real-time direct monitoring of heating temperature, clear and easy to operate; all parameters including preset temperatures, working temperatures, and working status are real-time displayed;
- Temperature is automatically program-controlled by single-chip microprocessors made in USA;
- This device featured with multiple functions and its easy setting operation can meet the needs of different users as much as possible;
- DC low-voltage illuminating system and removable transparent heating dish: easy operation and convenient observation;
- New heating mechanism using a new-type high-thermal-conductivity heating element provides even and quick heating
 - PID-controlled
 - Triple temperature controls
 - long lifespan, safe, reliable and energy-saving
- Temperature is precisely and reliably measured by temperature-sensing integrated blocks made in USA, and all settings are automatically stored in the system;
- The surface of the temperature-controlling probes is made with special black material to enable strong resistance to abrasion and corrosion, fast conductivity, and real-time measurement;
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system.



Technical Specifications:

- Dimensions of bath bowl: 350mm×220mm×45mm
- Temperature range: 0 - 85°C
- Temperature Control Precision: $\pm 1^{\circ}\text{C}$
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 400W
- Dimensions: 515×420×150mm (W×D×H)
- Net weight: 9 kg

KD-PIII Floatation Workstation (Water Bath/slide dryer)

Features:

- Pure-green digital screen for real-time monitoring of heating temperature, direct and clear, easy to operate; all parameters including preset temperatures, working temperatures, and working status are real-time displayed;
- Temperature is automatically program-controlled by single-chip microprocessors made in USA;
- This device features multiple functions and its easy setting operation can meet the needs of different users;
- DC low-voltage illuminating system and removable transparent heating dish: easy operation and convenient observation;
- New heating mechanism using a new-type high-thermal-conductivity heating element provides even and quick heating
 - PID-controlled
 - Triple temperature controls
 - long lifespan, safe, reliable and energy-saving
- Temperature is precisely measured by temperature-sensing integrated blocks made in USA, and all settings are automatically stored in the system;
- Special temperature-control and monitoring system characterized by strong resistance to abrasion and corrosion to ensure temperature precise;
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system;
- Temperatures for floating and drying slides are individually controlled.



Technical Specifications:

- Temperature Range: RT - 75°C
- Temperature Control Precision: $\pm 1^{\circ}\text{C}$
- Port for real-time online temperature recording (optional)
- Dimensions of Water Bath Dish: 350×220×45mm(W×D×H)
- Dimensions of Drying Station: 330mm×90mm
- Working Voltage: AC220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 500W
- Dimensions: 515×420×160mm (W×D×H)
- Weight: 9kg

KD-T Flootation Workstation (Water Bath/slide dryer)

Features:

- A compact well-designed device that combines water bath and slide dryer featured with light weight, easy operation, and small size
- A top-level advanced device in this field in China
- New-type control technology by single-chip microprocessors made in USA
- New-type heating material
- Suitable to use for pathological research and teaching in hospitals and research institutes



Technical Specifications:

- Temperature range of water bath: RT - 90°C; automatically maintained
- Temperature range of slide dryer: RT - 90°C; automatically maintained
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system.
- Temperature Control Precision: $\pm 1^{\circ}\text{C}$
- Dimensions of water bath dish: 225×145×55mm(W×D×H)
- Dimensions of drying station: 225×145×70mm(W×D×H)
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 200W
- Dimensions: 420×560×135 mm (W×D×H)
- Net weight: 11kg

KD-THII Floation Workstation (Water Bath/slide dryer)



Features:

- Pure-green digital screen for real-time monitoring of heating temperature, direct and clear, easy to operate; all parameters including preset temperatures, working temperatures, and working status are real-time displayed;
- Temperature is automatically program-controlled by single-chip microprocessors
- This device features multiple functions and its easy setting operation can meet the needs of different users;
- DC low-voltage illuminating system and removable transparent heating dish: easy operation and convenient observation;
- New heating mechanism using a new-type high-thermal-conductivity heating element provides even and quick heating: PID-controlled, Triple temperature controls, long lifespan, safe, reliable and energy-saving
- Temperature is precisely measured by temperature-sensing integrated blocks made in USA, and all settings are automatically stored in the system;
- Special temperature-control and monitoring system characterized by strong resistance to abrasion and corrosion to ensure temperature precise;
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system;
- Temperatures for floating and drying slides are individually controlled.

Technical Specifications:

- Temperature range of water bath: RT - 70°C; automatically maintained
- Temperature range of slide dryer: RT - 100°C; automatically maintained
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system.
- Temperature Control Precision: $\pm 2^{\circ}\text{C}$
- Dimensions of water bath dish: 210×170×60mm(W×D×H)
- Dimensions of drying station (20pcs slides): 250×108mm(W×D×H)
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 400W
- Dimensions: 460×310×135 mm (W×D×H)
- Net weight: 6kg

KD-TK Floation Workstation

(Water Bath/slide dryer)

Features:

- Pure-green digital screen for real-time monitoring of heating temperature, direct and clear, easy to operate; all parameters including preset temperatures, working temperatures, and working status are real-time displayed;
- Temperature is automatically program-controlled by single-chip microprocessors
- This device features multiple functions and its easy setting operation can meet the needs of different users;
- DC low-voltage illuminating system and removable transparent heating dish: easy operation and convenient observation;
- New heating mechanism using a new-type high-thermal-conductivity heating element provides even and quick heating: PID-controlled, Triple temperature controls, long lifespan, safe, reliable and energy-saving
- Temperature is precisely measured by temperature-sensing integrated blocks made in USA, and all settings are automatically stored in the system;
- Special temperature-control and monitoring system characterized by strong resistance to abrasion and corrosion to ensure temperature precise;
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system;
- Temperatures for floating and drying slides are individually controlled.



Technical Specifications:

- Temperature range of water bath: RT - 70°C; automatically maintained
- Temperature range of slide dryer: RT - 100°C; automatically maintained
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system.
- Temperature Control Precision: $\pm 2^{\circ}\text{C}$
- Dimensions of water bath dish: 210×170×60mm(W×D×H)
- Dimensions of drying station(50pcs slides): 250×108mm(W×D×H)
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 400W
- Dimensions: 460×310×135 mm (W×D×H)
- Net weight: 6kg

KD-THIII Floation Workstation (Water Bath/slide dryer)



Features:

- Pure-green digital screen for real-time monitoring of heating temperature, direct and clear, easy to operate; all parameters including preset temperatures, working temperatures, and working status are real-time displayed;
- Temperature is automatically program-controlled by single-chip microprocessors
- This device features multiple functions and its easy setting operation can meet the needs of different users;
- Two independent heating tank with DC low-voltage illuminating system and removable transparent heating dish: easy operation and convenient observation;
- New heating mechanism using a new-type high-thermal-conductivity heating element provides even and quick heating: PID-controlled, Triple temperature controls, long lifespan, safe, reliable and energy-saving
- Temperature is precisely measured by temperature-sensing integrated blocks made in USA, and all settings are automatically stored in the system;
- Special temperature-control and monitoring system characterized by strong resistance to abrasion and corrosion to ensure temperature precise;
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system;
- Temperatures for floating and drying slides are individually controlled.

Technical Specifications:

- Left Temperature range of water bath: RT - 70°C; automatically maintained
- Right Temperature range of water bath: RT - 70°C; automatically maintained
- Temperature range of slide dryer: RT - 100°C; automatically maintained
- Automatic memory and restoration functions: After startup, all preset temperature data are automatically stored in the system.
- Temperature Control Precision: $\pm 2^{\circ}\text{C}$
- Dimensions of water bath dish: 155×155×55mm(W×D×H)
- Dimensions of drying station(32pcs slides): 405×130mm(W×D×H)
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 600W
- Dimensions: 475×460×175 mm (W×D×H)
- Net weight: 10kg

KD-TS1A Automated Tissue Processor (Mini-type)

Features

- APS-coated, streamline-design, sturdy housing with high resistance to corrosion
- Economical, reagent saving, practical design with small footprint and low cost
- Two sets of operating programs and two sets of time-extending programs; all built-in programs have memory function
- Single-chip computer control technology allows a complete set of functions
- Well-sealed plexiglass cover with gas-effluxion mechanism, environmentally friendly and safe
- Large-capacity reagent cup: more than 40 tissue specimens can be processed simultaneously
- Not affected by short blackouts or power outages during operation
- Manual adjustment can be conducted anytime during the programmed automatic operation; afterwards, the system automatically enters the programmed operation
- Internal dry heating mechanism with high-precision temperature control
- Two-dimensional, flexible transmission system, low noise, wear-resistant
- High-precision photoelectric positioning control system to ensure reliable operation and precise positioning
- Fully intelligent design, enabling timely determination and recovery from an abnormal event
- Approximately 40 tissue samples can be processed at the same time



Technical Specifications

- Number of Cups: 12 (9 for reagents, 3 for paraffin)
- Capacity of Each Cup: 700 ml
- Length of Processing Time in the Cup:
 - Any length between 0 and 99 hours for the first cup
 - Any length between 0 and 24 hours for the other cups
- Temperature Range: RT - 80°C
- Dripping Time: Approximately 30 s
- Frequency of Agitation: 2 times/minute
- Tissue Protection Cup: at the 7th station
- Working Voltage: AC220V±10% 50Hz (standard model) AC110V±10% 60Hz
- Power Requirements: 500 W
- Heating Control: heating automatically begins when the tissue enters the 2nd cup, thus avoiding unnecessary energy waste

- Dimensions: 795×435×415 mm (W×D×H)
- Weight: 50kg

KD-TS3A Automated Tissue Processor



Features:

- Fully intelligent design, enabling timely automatic determination and recovery from an abnormal event
 - High-quality blue-colored LCD screen operated with two optional programs offers a clear and reliable display
 - Manual adjustment can be conducted anytime during the programmed automatic operation; afterwards, the system automatically enters the programmed operation
 - Green inner-cycling air purification system to efficiently adsorb, and remove, poisonous gas
 - Imported high-quality parts, smooth operation, low noise, ergonomic design
- Approximately 60 tissue samples can be processed at the same time

Technical Specifications:

- Number of Cups: 12 (nine cups for reagents and three cups for paraffin)
- Length of Processing Time: Adjustable within 0-99 hours for the 1st station and within 0-24 hours for other stations
- Temperature Range of Paraffin Cup: adjustable within RT - 99°; dual protection
- Heating Mechanism: Internal dry heating automatically begins when the tissue enters the 2nd cup, thus avoiding unnecessary energy waste.
- Capacity of Single Cup: 1000ml
- Temperature Control Precision: $\pm 1^{\circ}\text{C}$
- Dripping Time: Adjustable within 10-60 s; shake/drip above cup
- Frequency of Agitation: 2 times/minute
- Battery backup with more than 6 hours of continual running power
- Acceptable Temperature Range of Operation Environment: 0 ~ 40°C
- Working Voltage: AC 220V \pm 10% 50Hz (standard model); AC110V \pm 10% 60Hz
- Power: 500W
- Dimensions: 1010×420×450 mm (W×D×H)
- Net weight: 67 kg

KD-TS3B Automated Tissue Processor



Features:

- APS-coated, streamlined-designed, easy-to-clean, sturdy housing with high resistance to corrosion
- Imported high-quality parts, smooth operation, low noise, ergonomic design
- 20 editable programs can be stored in the system
- Integrated high-quality LCD screen with intuitive bilingual (Chinese/English) software offers clear display and simple operation; window-scrolling/flipping human-machine conversation interface provides clear instructions for each step (online help)
- Fully intelligent design enables timely determination and automatic recovery from an abnormal event
- Real-time visual simulation with icons displays working status dynamically, clearly and intuitively
- Green inner-cycling air purification system to efficiently adsorb, remove poisonous gas; gas-effluxion mechanism, environmentally friendly and safe
- This system can be automatically started at any time as programmed
- Processing duration is automatically calculated and displayed on the screen, allowing user to make a more efficient work plan
- Manual adjustment can be conducted anytime during the programmed automatic operation; afterwards, the system automatically enters the programmed operation
- Automated fan control: Stays 'on' all the time when the specimens are not submerged in cup and comes on 10 seconds every minute when the specimens are submerged in cup and in processing
- Automated light control:
 - stays 'on' all the time during programming;
 - stays 'off' during the automatic operation and can be automatically turned 'on' anytime by touching the screen or any key and stays 'on' for 2 minutes.
- Internal dry heating mechanism with high-precision temperature control
- Low-energy-consuming control circuit with power protection function.
 - When power outage occurs, the screen displays as normal with a scrolling bar demonstrating

the 'on' status of the power protection system.

- Battery backup with more than 30 hours of running power
- Approximately 80 tissue specimens can be dehydrated at the same time

Technique Specifications:

- Number of Cups: 12 (9 for reagents, and the cups at the 10th, 11th, and 12th stations are used for paraffin melting)
- Capacity of Each Cup: 1500ml
- Length of Processing Time in the Cup:
 - Any length for the first cup (Extended Time)
 - Any length between 0 and 24 hours for the other cups
- Temperature Range: RT - 80°C
- Dripping Time: Adjustable within 10-60 s; shake/drip above cup
- Frequency of Agitation: Adjustable within 0-6 times/minute
- Tissue Protection Station: any station from the 1st to 7th station as preset
- Working Voltage: AC220V±10% 50Hz (standard model); AC110V±10% 60Hz
- Power: 500 W
- Dimensions: 1055×480×495 mm (W×D×H)
- Net weight: 75 kg

KD-TS3D Automated Tissue Processor (1.8L)



Features:

- Imported high-quality parts, smooth operation, low noise, ergonomic design
- Integrated high-quality LCD screen with intuitive bilingual (Chinese/English) software offers a clear display and simple operation; window-scrolling/flipping human-machine conversation interface provides clear instructions for each step (online help)
- Well-sealed plexiglass cover with gas-effluxion mechanism, environmentally friendly and safe
- Fully intelligent design, enabling timely determination and automatic recovery from an abnormal event
- This system can be automatically started at any time as programmed
- Processing duration is automatically calculated and displayed on the screen, allowing user to make a more efficient work plan
- 20 editable programs can be stored in the system
- Manual adjustment can be conducted anytime during the programmed automatic operation; afterwards, the system automatically enters the programmed operation.
- Frequency of agitation can be adjusted within a range of 0-6 times/minute (0 indicates no agitating), allowing, thorough, sufficient, and uniform reagent infiltration
- Automated fan and light control:
 - The light will 'on' for two minutes when the device is on and in operation.
 - Fan is 'on' all the time when the specimens are not submerged in cup or during programming, and runs for 10 seconds every minute when the specimens are submerged in cup and in processing
- Green inner-cycling air purification system to efficiently adsorb and remove poisonous gas
- Internal dry heating mechanism with high-precision temperature control
- Low-energy-consuming control circuit with power protection function: when a power outage occurs, the screen displays as normal with a scrolling bar demonstrating the 'on' status of the power protection system.
- Imported high-quality parts, smooth operation, low noise and ergonomic design
- Approximately 110 tissue samples can be processed at the same time
-

Technical Specifications:

- Number of Cups: 12 (the cups at the 10th, 11th, and 12th stations are used for paraffin melting)
- Capacity of Each Cup: 1.8 L
- Temperature range: RT - 80°C ±1°C
- Length of Processing Time in the Cup:
 - Any length for the first cup (Extended Time)
 - Any length between 0 and 24 hours for the other cups
- Dripping Time: Adjustable within 10-60 s; shake/drip above cup
- Frequency of Agitation: Adjustable within 0-6 times/minute
- Working Voltage: AC220V 50Hz; AC110V 60Hz
- Working Voltage: AC 220V±10% 50Hz (standard model); AC110V±10% 60Hz
- Power: 500W
- Dimensions: 1135×465×490 mm (W×D×H)
- Net weight: 80kg

KD-TS3D1 Automated Tissue Processor

(With intelligent touch screen)



Features:

- Imported high-quality parts, smooth operation, low noise, ergonomic design
- Integrated high-quality LCD screen with intuitive bilingual (Chinese/English) software offers a clear display and simple operation; window-scrolling/flipping human-machine conversation interface provides clear instructions for each step (online help)
- Fully intelligent design, enabling timely determination and automatic recovery from an abnormal event
- Real-time visual simulation with icons displays working status dynamically, clearly and intuitively
- Green inner-cycling air purification system to efficiently adsorb and remove poisonous gas; well-sealed gas-effluxion mechanism to effectively improve the operational environment, environmentally-friendly and safe
- This system can be automatically started at any time as programmed
- Processing duration is automatically calculated and displayed on the screen, allowing user to make a more efficient work plan
- 20 editable programs can be stored in the system
- Manual adjustment can be conducted anytime during the programmed automatic operation; afterwards, the system automatically enters the programmed operation
- Automated fan control: Stays 'on' all the time when the specimens are not submerged in cup and 10 seconds every minute when the specimens are submerged in cup and processing
- Automated light control:
 - stays 'on' all the time during programming;
 - stays 'off' during the automatic operation and can be automatically turned 'on' anytime by touching the screen or any key and stays 'on' for 2 minutes.
- Internal dry heating mechanism with high-precision temperature control
 - Automatically determines the time of heating for energy efficiency
- Low-energy-consuming control circuit with power protection function
 - When a power outage occurs, the screen displays as normal with a scrolling bar demonstrating the 'on' status of the power protection system
 - Battery backup with more than 30 hours of running power

- Approximately 130 tissue samples can be processed at the same time

Technical Specifications:

- Number of Cups: 12 (The 1st to 9th stations for reagents and the 10th to 12th stations for paraffin melting)
- Capacity of Each Cup: 2000 ml
- Temperature Range: RT - 80°C
- Temperature Control Precision: $\pm 1^{\circ}\text{C}$
- Length of Processing Time in the Cup:
 - Any length for the first cup (Extended Time)
 - Any length between 0 and 24 hours for the 2nd to 12th cup
- Dripping Time: Adjustable between 10s and 60s; shake/drip function above cup
- Frequency of Agitation: Adjustable within 0 - 6 times/minute
- Tissue Protection Station: any station from the 1st to 7th station as preset
- Working Voltage: AC220V $\pm 10\%$ 50Hz (standard model) AC110V $\pm 10\%$ 60Hz
- Power: 500 W
- Dimensions: 1170×465×535mm (W×D×H)
- Net weight: 85kg

KD-TS3S Fully Automated Tissue Processor

(Dual-basket; wide intelligent colored touch screen)



Features:

- Flexible transmission system, low noise, wear-resistant
- Imported high-quality parts, high-precision positioning system smooth operation, ergonomic design
- Two sets of operation mechanisms doubles the processing capacity. Tissue specimens can be separately placed into different baskets according to size, texture, and origin, thus improving processing performance
 - Optional single-mechanism mode for processing a smaller number of tissue specimens to ease the operation
- 20 editable programs for each of A and B can be stored in the system
- Integrated high-quality LCD screen with intuitive bilingual (Chinese/English) software offers clear display and simple operation; window-scrolling/flipping human-machine conversation interface provides clear instructions for each step (online help)
- Fully intelligent design, enabling timely determination and automatic recovery from an abnormal event
- Real-time visual simulation with icons displays working status dynamically, clearly and intuitively
- Green inner-cycling air purification system to highly efficiently adsorb and remove poisonous gas; well-sealed gas-effluxion mechanism to effectively improve the operational environment
- This system can be automatically started at any time as programmed (Setting Range 0-99 hours and 0-59 minutes)
 - Processing duration is automatically calculated and displayed on the screen, allowing the user to make a more efficient work plan
- Automated fan control: Stays 'on' all the time when the specimens are not submerged in cup and 10 seconds every minute when the specimens are submerged in cup and in processing
- Automated light control:
 - stays 'on' all the time during programming;
 - stays 'off' during the automatic operation and can be automatically turned 'on' anytime by touching the screen or any key and stays 'on' for 2 minutes.

- Internal dry heating mechanism and triple protection channels offer high-precision automatic gradient temperature control
 - Automatically determines the time of heating, thus increasing energy efficiency.
- Low-energy-consuming control circuit with power protection function
 - When power outage occurs, the screen displays as normal with a scrolling bar demonstrating the 'on' status of the power protection system.
 - Battery backup with more than 30 hours of running power
- Power Protection Station: Station 7 for A basket and Station 5 for B basket, ensuring continued operation during a power outage.
- Manual operation can be conducted anytime during the programmed automatic operation, allowing user to check or add tissue specimens during the operation
- 160 or more specimens can be processed at the same time

Technical Specifications

- Number of Cups: 14(10 for reagents, and the cups at the 11th, 12th, 13th, and 14th stations are used for paraffin melting);
- Number of baskets:2
- Capacity of Each Cup: 1500ml
- Temperature range:: RT - 80⁰C
- Temperature Control Precision: ±1⁰C
- Length of Processing Time in the Cup
 - Any length between 0 and 99 hours for the 1st and 2nd cup
 - Any length between 0 and 24 hours for the 3nd to 14th cup
- Dripping Time: Adjustable within 10s - 60s; shake/drip above cup
- Frequency of Agitation: Adjustable within 0 - 6 times/minute
- Working Voltage: AC220V±10%50HZ (standard model); AC110V±10% 60HZ
- Power Requirements: 550W
- Dimensions: 1250×440×495 mm (W×D×H)
- Weight: 92kg

KD-TS3S1 Fully automated tissue processor

(Dual-basket; wide intelligent colored touch screen)



Features:

- Flexible transmission system, low noise, wear-resistant
- High-precision, low-noise, and wear-resistant photoelectric positioning system using imported high-quality elements to ensure stable and smooth operation all within an ideal ergonomic design
- Two sets of operation mechanisms doubles the processing capacity. Tissue specimens can be separately placed into different baskets according to size, texture, and origin, thus improving processing performance
 - Optional single-mechanism mode for processing a small number of tissue specimens easing the operation
- Scrolling processing mode multiplies the processing capacity of the system – one device can do the amount of work equal to multiple single-basket machines.
 - A processed basket can be continuously used following another basket that is in processing without interruption, thus achieving a continuous cycling operation and maximizing the processing capacity of the system
- 20 editable programs for each of A and B mechanisms can be stored in the system
- Integrated high-quality colored super large LCD touch-screen offers clear display and simple operation; window-scrolling/flipping human-machine conversation interface provides clear instructions for each step (online help)
- Fully intelligent design, enabling timely determination and automatic recovery from an abnormal event
- Real-time visual simulation with icons displays working status dynamically, clearly and intuitively
- Green inner-cycling air purification system to highly efficiently adsorb and remove poisonous gas; well-sealed gas-effluxion mechanism to effectively improve the operation environment, environmentally friendly and safe
- This system can be automatically started at any time as programmed (Setting Rang 0-99 hours and 0-59 minutes)

- Processing duration is automatically calculated and displayed on the screen, allowing the user to make a more efficient work plan
- Power Protection Station: Station 7 for A basket and Station 5 for B basket, ensuring continued operation during a power outage.
- Automated fan control: Stays 'on' all the time when the specimens are not submerged in cup and 10 seconds every minute when the specimens are submerged in cup and in processing
- Automated light control:
 - stays 'on' all the time during programming;
 - stays 'off' during the automatic operation and can be automatically turned 'on' anytime by touching the screen or any key and stays 'on' for 2 minutes.
- Internal dry heating mechanism and triple protection channels offer high-precision automatic gradient temperature control
 - Automatically determines the time of heating, resulting in energy efficiency
- Low-energy-consuming control circuit with power protection function
 - When power outage occurs, the screen displays as normal with a scrolling bar demonstrating the 'on' status of the power protection system
 - Battery backup with more than 30 hours of running power
- Manual operation can be conducted anytime during the programmed automatic operation, allowing user to check or add tissue specimens during the operation
- 250 or more specimens can be processed at the same time

Technical Specifications

- Number of Cups: 14(10 for reagents, and the cups at the 11th, 12th, 13th, and 14th stations are used for paraffin melting)
- Two baskets;
- Capacity of Each Cup: 2000ml
- Temperature range: RT - 80°C;
- Temperature Control Precision: $\pm 1^{\circ}\text{C}$;
- Length of Processing Time in the Cup:
 - Any length between 0 and 99 hours for the 1st and 2nd cup
 - Any length between 0 and 24 hours for the 3rd to 14th cup
- Dripping Time: Adjustable within 10s - 60s; shake/drip above cup
- Frequency of Agitation: 0 - 6 times/min adjustable;
- Dehydration basket is divided into three layers to ease the categorization of tissue.
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 550W
- Dimensions: 1370 \times 440 \times 525 mm (W \times D \times H)
- Weight: 102kg

KD-TSQ1 Fully Automatic Enclosed Tissue Processor

Features:

- Operator Interface of 15 inch color LCD touch screen
- Enclosed Tissue treatment system with no pollution of gas leakage, to meet requirement of environmental protection.
- Mode of Sample processing: Sample not move, Reagent move.
- It can avoid the risk of power failure of machine, or other mechanical failure.
- Timing Mode: Finishing time of tissue processing any day in the week can be set
- Function of Protection System of Power Failure. Once main power restored, the previous protocols is automatically resumed and continue to work in order.
- 10 Set of Programmers stored in the system and can be set for purpose.
- Special design of Reagent Station makes the liquid totally back-flow to avoid any mixture and to extend using time of reagent.
- Patented design of cassette holder makes reagent and samples thoroughly contact with each other, it improves effect of tissue processing and reduce working time.
- Dual Purpose of processing: one key switch normal processing motion and Rapid processing motion
- Rapid Processing motion stirred in day time finished in 3 hours, Normal Processing Motion stirred in the evening.
- Device for Air pressure transfer: Formal air pressure transfer of several solenoid valves replaced by one single mechanical structure replace formal in order to avoid high fault error.
- Function for changing wax automatically:
- Wax in No.1 Container wash into waste container, then, wax in NO.2 container goes into No.1 Container, then, No.3 goes into No.2, and so on
- Function of over temperature protection occurred by accidental heating
- Function for magnetic stirring which shorten time of tissue processing and make good processing effect.
- Alarm and Screen display when finishing work.
- Capacity of tissue processing: 400pcs cassette at most.



Technical Specifications:

- Numbers of Reagent Station: 12
- Tissue Processing Station: NO.1 to No.9 Station
- Washing Station: No.14 to No.16 Station
- Numbers of Wax Tank: 3(No.10,12 and 13)
- Numbers of Working Station: 1
- Capacity of Processing Station: 9Liters
- Capacity of Reagent Station : 6L
- Temperature of Processing Station:
- Medium is the solvent: $\leq 45^{\circ}\text{C}$
- Medium is the Wax: $58^{\circ}\text{C}-70^{\circ}\text{C}$
- Operation pressure: $<0.1\text{Mpa}$
- Wax temperature: $58^{\circ}\text{C}-70^{\circ}\text{C}$
- Wax melt time not more than 3 hours
- Power input: $<1500\text{VA}+10\%$
- Time for immerse: 0 - 99 hours 59 minutes
- Working Voltage: $220\text{VAC} \pm 10\%, 50/60\text{HZ}$
- Time for Inflow Liquid: no more than 5Min
- Time for Exclude Liquid: no more than 5Min
- Stirring time: set randomly
- Interval time for Stirring: set randomly
- Operation mode: manual and automatic
- Overall Dimension: $650 \times 650 \times 1350\text{mm}(\text{W} \times \text{D} \times \text{H})$
- Net Weight: 145kg

KD-RS Fully Automated Tissue Stainer



Features:

- Integrated imported high-quality LCD touch-screen with intuitive software offers clear display, prompt response, high efficiency, and simple operation
- Unique ergonomic design of the staining protocol meets different users' needs.
- Low noise, wear-resistant flexible transmission system using imported high-quality materials and elements to ensure reliable performance
- Intelligent automatic water influx/efflux/drainage system ensures the cleanness of water used in each step and improves water efficiency
- Special staining basket allows prompt staining of dozens of slides, which is a safe, reliable and green process
- Slides are rinsed and cleaned with circulating water, and it has the drying function.

Technical Specifications:

- Number of Processing Cups: 14 (12 cups for reagents, the one at the 8th station for washout, and the one at the 1st station for drying)
- Length of Processing Time for each station: Adjustable within 0 min 0 s - 59 min 59 s for each station
- Capacity of Single Cup: 1500ml;
- Number of slides to be processed at same time: 72pcs
- Working Voltage: AC 220V±10% 50Hz (standard model); AC110V±10% 60Hz
- Power Requirements: 500W
- Dimensions: 1180×420×470 mm (W×D×H)
- Net weight: 70kg

KD-RS1 Fully Automated Tissue Stainer



Features:

- Imported high-quality parts, smooth operation, low noise, ergonomic design
- Fully intelligent design, enabling timely determination and automatic recovery from an abnormal event
- Wide LCD touch screen and convenient human-machine interfaces provides user with clear and sufficient information about working status (online help)
- Processing duration is automatically calculated and displayed on the screen, allowing user to create a more efficient work plan
- 4 sets of editable programs in each of Chinese and English can be stored in the system and can be queried online
- Intelligent automatic water influx/efflux/drainage control system ensures sufficient washing performance at each step and improves water efficiency
- 36 processing and staining protocols can be programmed and stored in the system, includes operation error alert function
- Green inner-cycling air purification system to efficiently adsorb, and remove poisonous gas
- Real-time visual simulation with icons displays working status dynamically, clearly and intuitively

Technical Specifications:

- Number of Cups: 18 (Station 10 is for washing and Station 1 is for drying)
- Capacity of Single Cup: 750 ml
- Number of slides processed at same time: 52 slides
- Length of Processing Time in the Cup:
- Adjustable within 0 - 59 minutes and within 0 -59 seconds
- Dripping Time: Adjustable within 0-30 s (shakes above cup)
- Working Voltage: AC 220V±10% 50Hz (standard model); AC110V±10% 60Hz
- Power: 500 W
- Dimensions: 1180×420×470 mm (W×D×H)
- Net weight: 72kg

KD-RS2 Fully Automated Tissue Stainer

(Fully Automated, Wide Colored Intelligent Touch screen)



Features:

- Imported high-quality parts, smooth operation, low noise, ergonomic design
- Fully intelligent design, enabling timely determination and automatic recovery in an abnormal event
- Wide LCD touch screen and convenient human-machine interface provides user clear and sufficient information about working status (online help)
- Processing duration is automatically calculated and displayed on the screen, allowing user to develop a more efficient work plan
- 4 sets of editable programs in each of Chinese and English can be stored in the system and can be queried online
- Intelligent automatic water influx/efflux/ pressure-control system and water drainage system ensures sufficient washing performance at each step and improves water efficiency
- 36 processing and staining protocols can be programmed and stored in the system, includes an operation error alert function
- Green inner-cycling air purification system to efficiently adsorb and remove poisonous gas
- Real-time visual simulation with icons displays working status dynamically, clearly and intuitively

Technical Specifications:

- Number of Cups: 18 (Station 10 is for washing and Station 1 is for drying)
- Number of slides processed at the same time: 52 slides
- Length of Processing Time in the Cup:
 - Adjustable within 0 - 59 minutes and within 0 -59 seconds

- Dripping Time: Adjustable within 0-30 s (shakes above cup)
- Working Voltage: AC 220V \pm 10% 50Hz (standard model); AC110V \pm 10% 60Hz
- Power: 500 W
- Dimensions: 1175 \times 460 \times 470 mm (W \times D \times H)
- Weight: 71kg

KD-RS3 Fully Automated Slide Stainer

Features:

- With its small footprint, this mini compact device can be placed near the sectioning area for optimal workflow
- With its intuitive touch screen interface and convenient human-machine communication, operation is easy-to-learn and simple-to-use
- Integrated touch screen with intuitive high-intelligence control system offers a full set of functions, reliable performance, and simple operation
- The APS-coated, streamline-designed, easy-to-clean sturdy housing with high resistance to corrosion
- 24slides can be stained simultaneously with prompt staining process
- The slide rack can be optionally stopped either above or submerged in cup based on user's selection after the staining process ends, with beeping to alert the user
 - Enabling this device to be an ideal choice for H&E staining
- Low noise, wear-resistant flexible transmission system using imported high-quality materials and elements to ensure stable operation and reliable performance
- Intelligent automatic water influx/efflux/drainage system ensures sufficient washing performance at each step and improves water efficiency
- 25 sets of staining protocols can be programmed and stored in the system with each protocol containing 30 editable steps for staining
- Operation error alert



Technical Specifications

- Number of Cups: 15 (Station 1 is for drying, Station 2 is for washing, and other 13 stations are for reagents)
- Capacity of Each Cup: Approximately 350ml
- Length of Processing Time in the Cup: Adjustable within 0 - 59 minutes and within 0 -59 seconds
- Temperature Control Precision: $\pm 1\%$
- Dripping Time: Adjustable within 0-60s
- Agitating frequency: Adjustable within 0-6 times/minute
- 9 usernames and passwords can stored in the system to ensure the safety of each user's staining protocol and each user can program 25 sets of staining protocols
- Working Voltage: AC220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 400W
- Dimensions: 925 \times 250 \times 260 mm (W \times D \times H) , Weight: 27kg

KD-QS1100 Fully Automated Slide Stainer



Features:

This Stainer is used in Hospital, Medical College, Sanitation and Anti-epidemic Station, Biological Research Lab, etc. It was more advantage on fast staining, comfortable and safe operation for user. And also the unit has an optical plastics cover and the air exhausting device to make it more safety and

environmental. The Slide rack can be put in any station, it will run after self-induction. The unit has high efficiency on staining progress.

- Small Size for the unit. With LED touch operation system. It has unique design for the mechanical arm with low energy consumption.
- Sample can be added anytime for continuous staining.
- When one station takes longer working time, more repeat station can be set for speed up working process.
- From No.2 Station to No.17 Station can be set to water clean. It has function for Auto Start / Stop on cleaning, and Water flow can be adjusted according to requirements.
- Any station can be set for end station; it will buzz until staining work finished.
- With water protection device, when water blockage, it will shut off water resource itself and make the warning cue.
- On auto working progress, station can be changed anytime according to requirements.
- Staining Work State shown by Dynamic Graph

Technical Specifications:

- Capacity: 6pcs slides in each holder, for continuous staining process
- Numbers of Station: 20pcs, (Repeat Station, Clean Bath can be set)
- Volume of Station: 135ml
- Length of Processing Time in the Cup: Adjustable within 0 - 59 minutes and within 0 -59 seconds
- Time for Changing Station, Stay and Leaching Liquid: 10S
- Numbers of Program: 10pcs, with remind code for online faulty
- Working Voltage: AC220V \pm 10% 50Hz / AC110V \pm 10% 60Hz
- Frequency: 50Hz/60Hz
- Power: 100W
- Dimension: 705 \times 300 \times 280 mm (W \times D \times H)
- Net Weight: 21kg

KD-RS5 Tissue Slide Stainer



Features:

- Electronic Module design.the stainer meet requirements either conventional staining or special staining.for different laboratories.
- And staining can achieve simultatously or individually for good effecttion.
- Color Touch screen make date-in and search convenient,different staining programme and the progress displayed in the interface.
- Staining programme started by color code,and it constantly shown on the Interface.
- 10 Sets programmes,10 pcs staining rack can be processed simultaneously,and any programme runs in anytime.
- 26 Reagent Station,two of them can be standby station.it optimize staining progress when several staining rack works simultaneously.
- Staining rack enter and come out by up and down loading drawers.2 racks for upload,and 3 racks for download.
- Mechanical arm reach at any station in 1 second at high speed.
- Rising and Falling Frequency for staining rack can be set
- Capacity of staining: 400pcs slides in one hour

Technical Specifications:

- Capacity of Staining Rack: 30pcs slides
- Loading Capacity: up to 10 different Racks for different programme(Continuous Loading)
- Numbers of Station: 36
- Numbers of Reagent station: 26
- Numbers of Washing Tank: 5
- Capacity of Reagent Station: 500ml
- Numbers of Uploading: 2
- Numbers of downloading: 3
- Numbers of Programme: 10
- Touch Screen: 10.4 inch colorful
- Working Voltage: AC220V \pm 10%,50/60HZ
- Power Draw: 200W
- Overall Dimension: 1050mm \times 615mm \times 590mm(W X D X H)
- Net Weight: 115kg

KD-TR Tissue processor/Stainer



Features:

- All-in-one design (dehydration processing and staining) ensures maximum space and reagent savings
- Fully intelligent design, enabling timely determination and automatic recovery during an abnormal event
- LCD display (Chinese/English) of dehydration processing protocol and staining protocol, clear and reliable
- 20 dehydration processing protocols and 4 staining protocols
- Green inner-cycling air purification system to efficiently adsorb and remove poisonous gas
- Internal dry heating mechanism with high-precision temperature control
- Automatic power protection ensures that the operation will not be interrupted and the processing performance will not be influenced by power outages.
- Imported high-quality parts, smooth operation, low noise, ergonomic design

Technical Specifications:

- Number of Cups: 16 (12 stations for reagents; three stations (the 14th, 15th, and 16th station) for heating, and the 7th station for washing)
- Length of Dehydration Processing Time: Adjustable within 0-99 hours for the 1st station and within 0-24 hours for the 2nd-6th and 11th-16th station)
- Tissue-dehydration protection station (protection the tissue by power outages): Station 11
- Length of Staining: Adjustable within 0-59 minutes and 0-59 seconds for the 1st-14th station
- Temperature Range of Paraffin Chamber: RT - 80°
- Heating Mechanism: internal dry heating
- Capacity of Each Cup: 750 ml
- 40 or more specimens can be dehydrated and 52 slides can be stained at the same time
- Temperature Control Precision: $\pm 1^{\circ}\text{C}$

- Frequency of agitating: 0 – 6 times/min

Battery backup with more than 6 hours of continual running power

Working Voltage: AC 220V \pm 10% 50Hz (standard model); AC110V \pm 10% 60Hz

Power: 500W

Dimensions: 1055 × 470 × 470mm (W×D×H)

Net weight: 73 kg

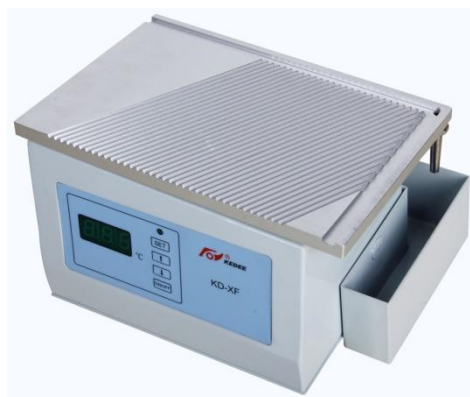
KD-XF Paraffin Trimmer

KD-XF Block Trimmer is used to remove excess wax from the outside of a tissue cassette and to clear the edge of the cassette of excess wax after paraffin embedding.

This device features a ridged heating surface where the temperature can be adjusted in a range from ambient to 90°C. By sliding the outside of the block across the heated surface, excess wax on the outside of tissue cassette will melt and flow away from the grooves and the hole at the lowest point flows into a waste tray.

This block trimmer can quickly remove paraffin in order to properly seat the block in the quick-release clamp or microtome vise to achieve the best section quality.

This compact and well-designed device can achieve easy and prompt block trimming with precise temperature control by micro-computer chips and without messy wax sticking to the Teflon-coated surface.



Features:

- Full computer automated control
- Utilizes new type of heating elements that enable fast heating, energy efficiency and reliability
- Temperature sensors are made in USA, precise and reliable
- Automatically saves the latest operational settings
- Memory and automatic restoration function: the preset temperature can be automatically saved after device operation
- LED displays the heating status

Technical Specifications:

- Working area: 230×160mm
- Temperature Range: Continuously adjustable within 0 - 90°C
- Temperature Control Precision: ±1°C
- Electrical Requirement: 220V±10%50HZ or 110V±10% 50/60Hz
- Power: 150W
- Dimensions: 255×180×155mm (W×D×H)
- Weight: 3 kg

KD-BMR Paraffin Dispenser

Features:

- Utilizes full computer automated control and intelligent digital temperature control;
- Utilizes new type of heating elements that enable fast, energy efficient and reliable heating;
- Temperature sensors are made in USA, precise and reliable;
- Automatically saves the latest operation settings;
- Memory and automatic restoration function enables the preset temperature to be automatically saved after device operation;
- LED displays the heating status

Technical Specifications:

- Temperature Range: Continuously adjustable within 0 - 100°C
- Temperature control precision: $\pm 1^{\circ}\text{C}$
- Capacity: 10000 ml
- Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
- Power: 1200W
- Dimensions: 355 \times 410 \times 540mm (W \times D \times H)
- Net weight: 17kg



KD-101 Slide Cabinet



The base is made of SPCC1.2 cold-roll steel sheets, the main body and drawers are made of SPCC 0.8 cold-roll steel sheets. A total of 84 drawers (12 layers and 7 drawers in each layer) accommodate up to 75,600 microscope slides with 900 in each drawer. ABS sliding rails underneath the drawers offer smooth sliding while inside hidden locks prevent unexpected opening. The handles are made of chrome-coated ABS. The interior space of each drawer is divided into two sections to make filing more convenient. The surface of the cabinet was subject to a series of treatments, including oil removal, conditioning, zinc phosphate coating, sandblasting, and powder-spray coating.

The slots are specifically manufactured using a metal mold. The labeling slots are manufactured through an integrated stamping and forming operation. Each drawer can be individually locked and this technology is in the process of patent application.

Dimensions: 450*478*1620mm (W*D*H)



KD-101-1 Slide Cabinet



The base is made of SPCC1.2 cold-roll steel sheets (BaoSteel), the main body and drawers are made of SPCC 0.8 cold-roll steel sheets. This cabinet consists of a base and 12 layers of 72 drawers (6 drawers in each layer; a total of 72 drawers) accommodate up to 64,800 microscope slides with 900 in each drawer. Each layer can be individually locked. ABS sliding rails underneath the drawers offer smooth sliding while inside hidden locks prevent unexpected opening. The handles are made of chrome-coated ABS. The interior space of each drawer is divided into six sections to make filing more convenient. The surface of the cabinet was subjected to a series of treatments, including oil removal, conditioning, zinc phosphate coating, sandblasting, and powder-spray coating.

The slots are specifically manufactured using a metal mold. The labeling slots are manufactured through an integrated stamping and forming operation. Each drawer can be individually locked and this technology is in the process of patent application.

Dimensions: 450*478*1620mm (W×D×H)



KD-102 Block cabinet



The base is made of SPCC1.2 cold-roll steel sheets, the main body and drawers are made of SPCC 0.8 cold-roll steel sheets. This cabinet includes a base and three modules on the top that contain 18 drawers (6 drawers in each module) that accommodate up to 11,000 tissue blocks. Movable dividing boards inside the drawers make filing more flexible.

The hidden handles are made of chrome-coated ABS. The slots are specifically manufactured using a metal mold. The labeling slots are manufactured through an integrated stamping and forming operation.

Dimensions: 450*478*1295mm (W*D*H)



KD-103 Slide Drying Cabinet



The base is made of SPCC1.2 cold-roll steel sheets, the main body and drawers are made of SPCC 0.8 cold-roll steel sheets. This cabinet includes a base and three modules on the top that contains 18 drawers (6 drawers in each module) that accommodate up to 9,000 microscope slides. Numbered labels inside the drawers make filing more convenient.

The hidden handles are made of ABS. The slots are specifically manufactured using a metal mold. The labeling slots are manufactured through an integrated stamping and forming operation.

Dimensions: 450*478*1295mm (W×D×H)



KD-104 Four-Stack Cabinet for Slide-Drying Boards



The base is made of SPCC1.2 cold-roll steel sheets, the main body and drawers are made of SPCC 0.8 cold-roll steel sheets. This cabinet includes a base and four stacked modules, each module can accommodate up to 96 microscope slide-drying boards (24 in each section). The numbered labels in each section make filing more convenient.

The hidden handles are made of ABS. The slots are specifically manufactured using a metal mold. The labeling slots are manufactured through an integrated stamping and forming operation.

Dimensions: 450*315*1210mm (W×D×H)

Consumables

				
Disposable Microtome Blade			Blade Holder	Blade Holder
				
Steel Knife	Disposable blade holder		Standard specimen clamp	Universal cassette clamp
				
Diamond lettering pen	Embedding frame	Disposable blade handle	Sharpening powder	Forceps
				
Tissue embedding cassette	Plastic cassette with cover	Embedding mold	Glass cover	Glass slide
				
Plastic slide basket	Tissue processing basket	Copper slide basket	Stainless steel slide basket	Slide staining vessel
				
Plastic slide storage box	Wooden slide storage box	Paraffin block	Slide mailer (5pcs/box)	Cryo-pin
				
Slide clamp	Color plastic tray	Harris, Eosin	Neuter balata	Cryo-embedding medium