

MICROTOME BLADES

DISPOSABLE MICROTOME BLADES HIGHEST QUALITY MADE IN JAPAN

With our blades we keep pursuing premium quality with an outstanding price/performance ratio. We ensure more sharpness and durability for highest sectioning precision for a long period of time. The blades are manufactured with technical expertise such as sophisticated heating process, excellent polishing and coating techniques to achieve an outstanding cutting performance.

FOR STANDARD AND SOFT TISSUE SECTIONING



Well balanced in durability and sharpness for routine sectioning.
 Technical Details:
 Material: stainless steel
 Angle: 35°
 Length: 80 mm
 Width: 8 mm
 Thickness: 0.25 mm

FOR HARD TISSUE, BIOSSY AND RIBBON SECTIONING



Universal Blade
 Excellent durability and sharpness.
 Special hardened for hard tissue.
 Technical Details:
 Material: stainless steel
 Angle: 35°
 Length: 80 mm
 Width: 8 mm
 Thickness: 0.25 mm

FOR THIN SECTIONING



Due to the smaller angle of 30 ° instead of 35°, these blades provide excellent sharpness for extra thin sectioning.
 Technical Details:
 Material: stainless steel
 Angle: 30°
 Length: 80 mm
 Width: 8 mm
 Thickness: 0.25 mm

FOR EXTRA THIN SECTIONING



Excellent for thin sectioning such as for kidney and lymph node (Low Angle 22°)
 Technical Details:
 Material: stainless steel
 Angle: 20°
 Length: 80 mm
 Width: 8 mm
 Thickness: 0.25 mm

HIGH PROFILE IDEAL FOR CRYOSTAT AND RIBBON SECTIONING



Technical Details:
 Material: stainless steel
 Angle: 35°
 Length: 80 mm
 Width: 14 mm
 Thickness: 0.32 mm

UNIVERSAL BLADE WITH EXCELLENT DURABILITY



Technical Details:
 Material: stainless steel
 Angle: 35°
 Length: 80 mm
 Width: 8 mm
 Thickness: 0.25 mm



MS130 and MS260
 For cutting tissue samples without causing deformation for large tissue blocks
 Material: Stainless steel
 Angle: 22°
 Length: 130mm or 260mm
 Width: 18mm
 Thickness: 0.25mm

Packaging

Box á 50 blades

Test Box á 5 blades

Sample preparation devices

ISLAND - ALL-IN-ONE WATER BATH AND SLIDE DRYER



Key Features

- All-In-One, flatterring, stretching, drying
- Microprocessor temperature control
- Ergonomic slim design
- Compact structure
- Stable performance

An essential equipment after creating microtome sections. Our Island is ideally used for flattening, stretching and drying paraffin embedded sections, all with one device ensuring an efficient workflow. The All-In-One water bath and slide dryer is mainly used in hospitals, medical laboratories, scientific research institutes, histological laboratories (production of histological sections and slides for pathological investigations and analysis). It offers a program control system which makes operation easier and more reliable. With its stable performance, small volume and light-weight, it is integrated perfectly in every workflow also in laboratories with tight spaces.

DESERT - SLIDE DRYER



Key Features

- Special „stacking tiles“ design
- Microprocessor temperature control
- Large capacity of slides
- Ergonomic slim design
- Stable performance

Desert slide dryer is designed to dry the sections on the slides. Temperatures can be set between ambient and 99°C. The anodized black surface of the „Stacking Tiles“ style hotplate provides high contrast with the samples. It also offers a large capacity (maximum of 44 slides at one time) for drying slides. The temperature is set with the LED digital display. It also features an auto memory for last used settings.

SEAFIRE - TISSUE WATER BATH



- SEAFIRE - Tissue Water Bath with under floor illumination
- detachable glass pan for easy cleaning
 - preset time and automatically shut-off- Temperature range 0-85°C
 - Temperature tolerance +1C 220V, 50-60Hz
 - Dimension glass bowl 350 x 220 x 45mm
 - Dimension overall 410 x 510 x 150mm

Easy to operate, prompt precise heating, best energy saving thermal conduction performance

AVALANCHE - COOLING PLATE



Technical Specifications:

- Temperature range: -2°C to -15°C
- Frosting time: ≥ 5 min
- Time to reach the set temperature: ≤ 15 min
- Capacity of cooling plate: 48 pcs paraffin blocks
- Power supply: 220V/50Hz
- Dimensions: 535x330x358 mm
- Dimensions cooling plate: 270x250 mm
- Net weight: 20 kg

With our Cooling Plate fast and easy cooling of paraffin blocks is possible, which guarantees an efficient workflow. The system is equipped with a micro-processor temperature control, which prevents paraffin blocks from cracking. The temperature range can be set between -2°C and -15°C and with the featured eco-compressor refrigeration system a long service life and efficient freezing is guaranteed.

The cooling plate made of high quality aluminium ensures a stable and smooth temperature performance. With the surrounded drain channel an overflowing of melting water is avoided. The user-friendly display ensures an easy operation.

COASTLINE - WAX TRIMMER



Key Features

- Safe removing of excess paraffin wax
- Ergonomic slim design
- Compact structure
- Stable performance

Our Coastline – Wax Trimmer is specially designed for histology laboratories to remove excess paraffin from tissue cassettes after embedding. Simply slide with the tissue cassette across the heated surface and the excess wax is shaved away and collected in a waste wax collection box. The wax trimmer eliminates the risk of injuries by cutting into the fingers, because it is no need to remove the excess wax with a knife. Our Coastline – Wax Trimmer offers save, fast and practical operation for precise sectioning results.



Storage cabinet for paraffin blocks

Archival storage cabinet The cabinet includes two drawers for each 126 pcs of paraffin blocks. Additional cabinets can be stacked onto each other
 Dimensions: 299 x 25 x 110 mm

ROTARY MICROTOMES

RAZOR-E / STEELY-E - FULLY AUTOMATIC

RAZOR / STEELY - MANUAL



MICROTOME BLADES



SAMPLE PREPARATION DEVICES

micros
AUSTRIA

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Royal Microscopical Society



European Corporate Member Assembly (ECMA)

REQUEST A QUOTE

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VOLCANO *Made in Germany*

The embedding system VOLCANO offers extraordinary features

Design and funktion

The ergonomic design allows a perfect workflow. The large work area with deep rills for a good drainage of paraffin into the waste tray allows efficient and fast work. The forceps holders are ideally located and can hold up to 8 pieces. The amount of paraffin can be easily adjusted. The LED light can be dimmed (in 4 steps) for customers wishes.



Advantages at a glance

- Big preheat unit with separate tray for moulds and cassettes
- Dispensing unit with the choice of 2 containers (3,5 or 5,5 l)
- Easy to use controls
- Convenient located forceps holders
- Large paraffin tray
- Electrically heated forceps as option
- Easy and efficient to clean
- Programmable cool spot
- Large cool plate, temperature controlled



Technical data

Sizes	1200x560x320 mm PC: 450x560x320 mm CP: 450x560x320 mm PU: 300x560x320 mm
Power consumption	230V / 1200W
Weight	(PC: 18 kg, CP: 19 kg, PU: 12 kg)
Temperature setting prewarming unit (PU)	RT to 80°C
Temperature setting cool plate (CP)	RT to -15°C
Temperature setting paraffin container (PC)	55 to 75°C
Temperature setting work area	RT to 65°C
Cool spot	round, temperature control down to -5°C
Forceps holders	8 places
Waste tray	heated, 750 ml
Paraffin flow	by hand and foot switch, flow control included
Paraffin container	3,5 or 5,5 l
Light	LED, can be set in 4 steps
Accessories (optional)	heated forceps, magnifier

Modern controls

The modern controls allow a highly efficient and energy saving work start. By the easy reachable 6 key control all features can be set quickly.

For your comfort, the cool spot temperature can be controlled as well.

Additional options

The embedding system can be adapted to customer wishes with additional options. That are special separators for moulds and cassettes as well as electrically heated forceps with different tips.



MANUAL ROTARY MICROTOME

RAZOR AND STEELY

The manual rotary microtomes offer sophisticated features for precise sectioning of paraffin embedded specimen for medical, biological and industrial applications to guarantee an efficient and precise workflow. The rotation of the hand wheel is light and smooth and ensures an ergonomic handling of the instrument, which greatly reduces the operator's intensity in the sectioning job. The hand wheel locking is conveniently integrated in the wheel and is designed for one thumb use. Section thickness can be adjusted between 0.5 µm and 60 µm. The compact ergonomically design integrates a comfortable storage area for different handling tools.

Key Features

- Section thickness 0.5 – 60 µm
- Hand wheel locking integrated in hand wheel
- Stable performance
- Easy operation and exemplary comfort
- Ergonomic design

EXCEPTIONAL PRECISION

Clearance Angle

For the optimal position of the blade for sectioning. The angle of the cutting facet of the blade can be adjusted by moving the blade holder.



STEELY - STEEL KNIFE HOLDER



Steely is equipped with a Standard Knife Holder „R“ instead of the blade holder unit. The holder accepts standard and Tungsten Carbide knives. Knife guard, clearance angle adjustment and knife height adjustment are granted.

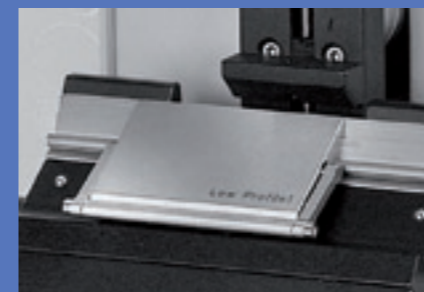


HIGHEST SAFETY STANDARDS



Hand wheel lock

With the conveniently integrated locking lever on the hand wheel the rotation of the wheel can be locked at any position. It is designed for one thumb-use.



Protection guard

The protection guard is to cover the cutting edge when the blade is inserted into the blade holder.

INTUITIVE HANDLING



Adjusting section thickness

Turning the section thickness adjusting knob the section thickness is adjusted. The scale on the displaying window indicates the thickness. The red pointer indicates the thickness while turning the adjusting knob.



Specimen holder

Changing of specimen works quick and easy. The sample can be placed horizontally or vertically into the specimen holder.

Coarse driving wheel

To adjust the distance between the blade and the specimen.

FULLY AUTOMATIC ROTARY MICROTOME

RAZOR-E AND STEELY-E

The powerful cutting motor drive with safety function ensures high section stability and precision. The perfectly ergonomic arrangements of the control elements enable an effortless handling of the microtome. RAZOR-E features two sectioning modes, automatic and manual. Section thickness can be adjusted between 0.5 µm and 100 µm. The automatic mode simplifies the technical difficulties of sectioning and reduces the operator labor intensity and makes work more efficient. A change between these two modes is quickly done. RAZOR-E offers great user benefit and gives superior comfort to the operator.

INTUITIVE HANDLING

Motor drive

The microtome is provided with an electronic servo-drive unit. This facilitates the operation considerably by a long persistent cutting. The cutting on the terminal is possible in 3 variations:

- Tab operation,
- Single stroke,
- Continuous stroke

The cutting speed is adjustable on a resistance of 1 - 150 strokes per minute. Coarse advance left side with safety clutch. Fine adjustment with collision protection.



LCD Display

The integrated LCD screen displays the number of sections made. With the included button the counter can be easily reset.

Trimming Funktion

With the trimming function, deeper layer of the specimen can be reached. Our Razor-E features three preset positions for controlled coarse advance, 10 µm / 20 µm / 30 µm.

Manual and automatic sectioning mode

The fine advance hand wheel provides easy switching between manual and automatic sectioning mode. For the manual mode the handle of the hand wheel remains in the normal position. The motor drive is disengaged. For the automatic mode, the handle has to be positioned into the center of the hand wheel to activate the motor.

Comfortable handpad

With the featured handpad the motor drive is controlled. The handpad also provides a start/stop function, speed control and the selection of the three section variations tap operation, single stroke and continuous stroke.



HIGHEST SAFETY STANDARDS

Emergency shut down button

With the emergency shut down button the slicing process can be stopped immediately.

Motor overload protection

The motor overload protection cuts off the torque transmission when the system feels a too high resistance when cutting.

Hand wheel locking

The hand wheel can be locked at any position.

Specimen retraction function

To eliminate potential damage to the blade or the specimen during the upwards movement after the stroke. When the object after sectioning performs the return movement (upwards), it automatically moves back and before the next sectioning stroke, the object moves to its correct position.

EXCEPTIONAL PRECISION

Specimen orientation system

The possibility to select the optimal position of the specimen ensures precise sectioning. (Optional available.)

Clearance angle

With the setting of the angle of the cutting facet of the blade a perfect angle for precise sectioning is adjusted.

STEELY-E

With the same functions like our Razor-E it is equipped with a Standard Knife Holder „R“ instead of the blade holder unit. The holder accepts standard and Tungsten Carbide knives. Knife guard, clearance angle adjustment and knife height adjustment are granted.

