

## ▼ Technical Specifications

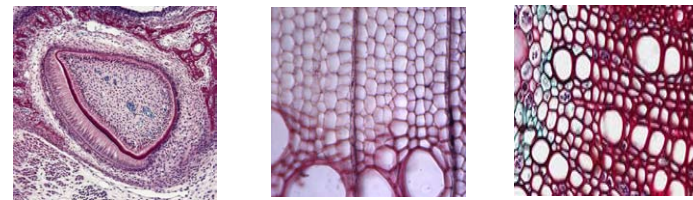
Section thickness range 0.5 - 60 µm  
 Section thickness setting 0.5 µm - 2 µm, 0.5 µm increments  
 2 µm - 10 µm, 1 µm increments  
 10 µm - 20 µm, 2 µm increments  
 20 µm - 60 µm, 5 µm increment

Specimen vertical stroke 70 mm  
 Specimen horizontally stroke 40 mm

Coarse advance manually by hand wheel left side  
 Object retraction On upward movement 80 µm  
 Hand wheel locking integrated in hand wheel, comfortably positioned for the user

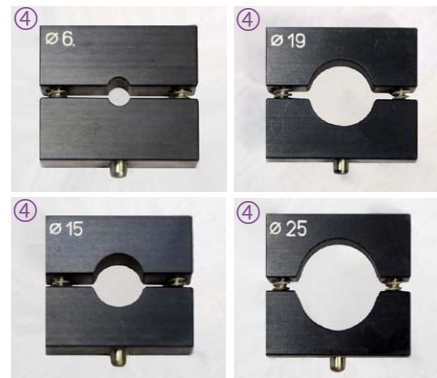
Cutting Count Integrated, with LCD-display/4 numbers  
 Automatic trimming In 3 steps: 1:10 µm, 2:20 µm, 3:30 µm

Dimensions (WxDxH) 550x460x280 mm



## ▼ Additional Accessories

- ① **Object orientation system**  
 The absolute precise position of the specimen ensures the orientation system. Move the specimen holder with the vertical and horizontal orientation knob to its desired position.
- ② **Section Waste Tray**  
 Collects the sectioning wastage and can be dismantled easily for cleaning purposes
- ③ **Standard object clamp**  
 Quick release clamping system for all types of commercially available cassettes.
- ④ **Inserts for round specimen**  
 Spring-loaded clamping system for the standard object clamp. Various diameters are available
- ⑤ **Blade holder adapter**  
 Available for Low Profile or High Profile blades. With the blade holder adapter, the knife holder is easily changed into a blade holder unit.



# FULLY AUTOMATIC ROTARY MICROTOME

**RAZOR-E  
STEELY-E**



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# FULLY AUTOMATIC ROTARY MICROTOME

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. MICROS Austria automatic microtomes feature 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 and STEELY-E offer great user benefit and give superior comfort to the operator.

## Choose between two versions

### RAZOR-E



Razor-E with disposable blade holder unit and MICROS MS24 microtome blades included in the standard set

### STEELY-E

Steely-E is equipped with a Standard Knife Holder R. The holder accepts standard and Tungsten Carbide knives. A steel microtome knife Type C, 16 cm is included in the standard set configuration



## 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.

### 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 back to its correct position.

### HAND WHEEL LOCKING

The hand wheel can be locked at any 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.



## 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: a) Tab operation, b) Single stroke, c) 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 FUNCTION

With the trimming function, deeper layer of the specimen can be reached. It 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.



### FOOT PEDAL

The automatic operation can also be controlled with the available footpedal. The footpedal provides single stroke and continuous stroke sectioning modes and it can also be used to stop the motor drive. With the provided metal housing accidental activation of the sectioning process is eliminated.

### 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.

