



**slee** solutions  
for  
pathology

MICROTOME  
**CUT 5062**

SEMI-AUTOMATIC  
ROTARY MICROTOME

DESIGN &  
MANUFACTURING  
MADE IN GERMANY

# CUT 5062 Semi-automatic precision microtome

The Slee semi-automatic precision microtome **CUT 5062** is designed for all applications in routine, research or industry. Years of experience and customer input have contributed to create one of the best semi-automatic microtomes available. The **CUT 5062** combines highest precision with user friendliness as well as best comfort. Like all Slee microtomes, the **CUT 5062** comes with a complete set of standard components which can be individually adapted to customer's needs, ready to be used out of the box.



## Highlights

- Ergonomic design
- Spacious, integrated section waste tray
- Wide range of accessories
- Intuitive control panel
- Hand wheel lock in any position
- Blade holder levers changeable (for left-handed users)
- 2 operation modes (standard and rocking mode)
- Motorized trimming up to 750  $\mu\text{m}$ , programmable
- Motorized advance / return of specimen (2 speeds)
- Display of section counter, section sum and remaining travel
- Tip function for precise specimen approach
- 2 specimen feed memory positions
- Variable retraction
- External control panel (optional)
- Second hand wheel brake (optional)

## Standard components

### Specimen orientation

**Universal cassette clamp**, orientable  
(alternatively: standard specimen clamp, orientable)

**Disposable blade holder**  
(alternatively: standard knife holder)

### Section waste tray

**Disposable blades**, low profile (1 box, 50 pcs.)

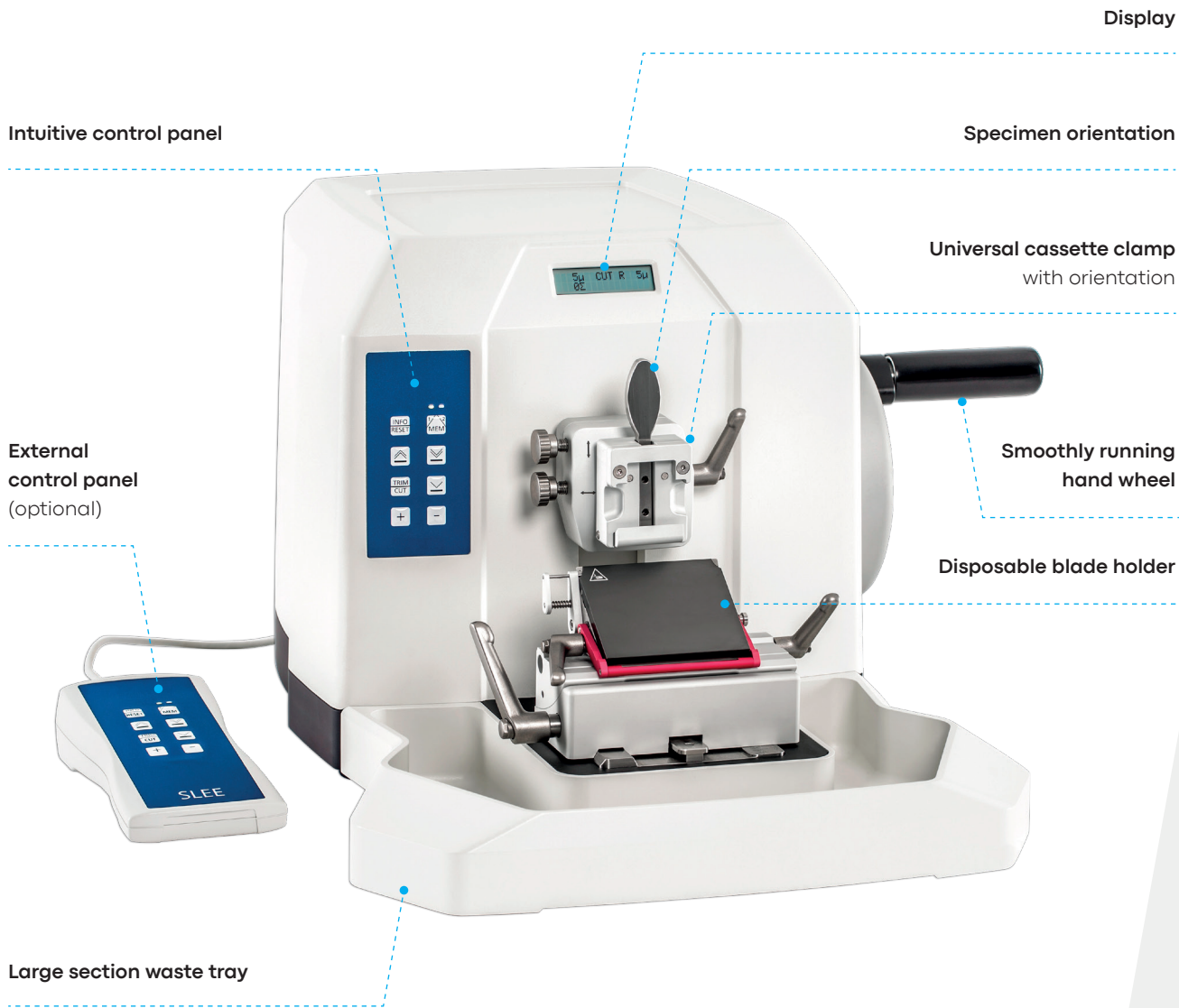
### Dust cover

### Mains cable

### Manual

## Specifications

<b>Section thickness range</b>	0.5 - 100 $\mu\text{m}$
<b>Section thickness settings</b>	0.5 - 2 $\mu\text{m}$ in 0.5- $\mu\text{m}$ -steps 2 - 20 $\mu\text{m}$ in 1- $\mu\text{m}$ -steps 20 - 50 $\mu\text{m}$ in 2- $\mu\text{m}$ -steps 50 - 100 $\mu\text{m}$ in 5- $\mu\text{m}$ -steps
<b>Trim thickness settings</b>	0.5 - 750 $\mu\text{m}$ 0.5 - 2 $\mu\text{m}$ in 0.5- $\mu\text{m}$ -steps 2 - 20 $\mu\text{m}$ in 1- $\mu\text{m}$ -steps 20 - 50 $\mu\text{m}$ in 2- $\mu\text{m}$ -steps 50 - 150 $\mu\text{m}$ in 5- $\mu\text{m}$ -steps 150 - 750 $\mu\text{m}$ in 10- $\mu\text{m}$ -steps
<b>Horizontal advance</b>	28 mm
<b>Feed speed SLOW</b>	75 / 150 / 300 / 600 $\mu\text{m}/\text{s}$
<b>Feed speed</b>	normal 3,000 $\mu\text{m}/\text{s}$
<b>Vertical stroke</b>	72 mm
<b>Specimen retraction</b>	0 - 200 $\mu\text{m}$ , selectable
<b>Specimen orientation</b>	$\pm 8^\circ$
<b>Electrical parameters</b>	100 - 240 V, 50/60 Hz
<b>Dimensions (W x D x H)</b>	520 x 600 x 325 mm
<b>Weight</b>	33 kg



Display

Intuitive control panel

Specimen orientation

Universal cassette clamp  
with orientation

External  
control panel  
(optional)

Smoothly running  
hand wheel

Disposable blade holder

Large section waste tray

Optional accessories	Item No.
<b>Aquatec system</b>	10090056
<b>MTR bench top quick freezing unit</b>	10110000
<b>Magnifier with illumination</b> (dimnable)	10090060
<b>External control panel CUT 5062</b>	10090050
<b>TC65 disposable blade holder</b> (for tungsten carbide blades)	10090041
<b>Tungsten carbide blade</b> (1 pcs.)	28406000
<b>Disposable blades</b> (cf. consumables)	
<b>Glass knife holder</b> (for triangle glass knives)	10090014
<b>Segment arc</b> incl. universal sample holder (for glass knife holder application)	10090015

Optional accessories	Item No.
<b>Super Mega cassette clamp,</b> orientable	10090027
<b>Super Mega cassette clamp,</b> fixed	10090021
<b>Standard specimen clamp,</b> orientable	10090006
<b>Standard specimen clamp,</b> fixed	10090007
<b>Foil clamp</b> (use in standard specimen clamp)	10090025
<b>Standard knife holder</b>	10090008
<b>Knife holder basis unit</b>	10090011
<b>Prism</b> (set)	10090017
<b>Round specimen holders</b> (different diameters)	on demand
More on request	

### Intuitive use



Having a variety of features sometimes ends up in difficult usage, but not with the CUT 5062: The device can be easily controlled via the intuitive control panel.

### All in sight



All settings can be easily seen and monitored in the LCD display being in height of the eyes of the user at the front side of the CUT 5062.

# Beyond standard application

The high precision microtomes of the **CUT** series are the basis for almost all applications where high-quality sectioning is requested. Together with add-on equipment such as the **MTR** bench top quick-freezing unit or the **Aquatec** system the **CUT** microtomes are ready for any kind of high performance cutting in the field of medical and industrial applications.

## Precise orientation



The specimen orientation on the x and y axis enables fast alignment of the specimens in the desired position.

## Flexible



Full flexibility due to the disposable blade holder or standard knife holder and the multiple clamps for any kind of specimen. The clamping levers and blade ejector are changeable (from left to right).

## Easy to clean



The design of the CUT microtomes supports the simplest and easiest cleaning possible.

## Section waste tray



The large waste tray fits perfectly to the base plate of the microtome and collects the waste during sectioning. Disposal of cutting waste is easy and fast.



### Perfect fit

The best microtome is nothing without the perfect blade. We offer premium quality high and low profile plasma blades as well as tungsten carbide blades and PTFE coated disposable blades.



### Best sight

To make even small biopsy samples visible, CUT microtomes can be equipped with a magnifier with dimmable illumination (optional).



### Safety

The easy to operate hand wheel can be locked in any position. This ensures user's safety as well as protection for the sample. The blade holder features a finger protection system for increased safety.



### Organized

All tools needed for sectioning can be placed on the special area on top of the microtome housing. This allows fast and fatigue-free working.



### Ergonomics

All CUT microtomes have been created with the user in mind - ergonomics are just as important as the quality of the section. Fits perfectly on ergotec series workstations.



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