




**slee** solutions  
for  
pathology

PRODUCT CATALOG

DESIGN &  
MANUFACTURING  
MADE IN GERMANY





***We are committed to  
teamwork and support;  
we give our best  
to provide both to our clients  
day by day!”***

*Stefan Schock • Managing Director  
Slee – Solutions for pathology*

Providing the best histopathology solutions is our passion, our know-how and our craft.

We stand for top technology, high quality standards and consistent customer support. From the invention of the world's first cryostat back in the year 1954 by our company founder Kenneth Slee until today, we focus on improving the microscopic sample preparation process. The everyday needs of our global users are top priority to us.

Our headquarter with design center and product manufacturing is located in the Rhine-Main area for decades. A location in the center of Germany with highest expertise in science, research and high-tech manufacturing to get benefited from the German tradition in top quality and high-precision products.

Our company culture stands out for the sense of responsibility towards our clients, employees, suppliers and business partners. As a globally oriented company we love to fuse our expertise in the field with the various perspectives of our global customers, thus being one of the most reliable partners in histopathology labs, in more than 100 countries worldwide.

Stefan Schock  
Managing Director



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Some of the images in this catalog may show special equipment and / or accessories that are subject to a charge. The image may differ slightly in appearance from the product.

# Tissue processors

*Slee tissue processors stand for gentle and safe specimen processing. The tissue processors from Slee are optimally adapted to the needs of a wide variety of laboratories.*





## **MTP**

Carousel tissue processor

## **MTM**

Vacuum tissue processor

# MTP

## Carousel tissue processor

The **MTP** carousel tissue processor guarantees gentle and highly reliable specimen processing in connection with state of the art control features. The specimen throughput can be doubled to 240 cassettes per run with a second transport basket. For faster and substantially improved processing of tissues, the device can optionally be equipped with vacuum units for all paraffin beakers. An integrated battery ensures highest process safety even in environments with frequent power failures.



MTP

### Highlights

- Easy loading and full process control by rotating table principle
- Integrated uninterruptible power supply
- Up to 240 cassettes per run (optional)
- System status monitor
- Password protection
- Intuitive control panel
- Delayed start function



## Item No.

MTP 100 – 230 V, 50/60 Hz

11000200

## Standard components

**Reagent beakers** (plastic [POM], white, 10 pcs.)

**Heated paraffin beakers** (aluminum, 2 pcs.)

**Transport basket** (stainless steel, 1 pcs.)

**Labelling set** for reagent beakers (1 pcs.)

**Transport basket lid** (1 pcs.)

**Mains cable**

**Manual**

## Specifications

**Reagent beakers** capacity plastic [POM], white 2,000 ml

**Heated paraffin beakers** capacity aluminum, anodized, double walled 2,000 ml

**Transport basket** capacity stainless steel up to 120 standard cassettes

**Programming** 20 programs, freely programmable

**Electrical parameters** 100 - 230 V, 50/60 Hz

**Dimensions** (W x D x H) 850 x 850 x 750 mm

**Weight** w/o accessories 80 kg

## Options

### Item No.

**Fume hood** for MTP / MSM (perspex) 11000220

**Vacuum unit** (paraffin) for 2 paraffin beakers 11000223

**Vacuum unit** (paraffin) for 3 paraffin beakers (only in combination with 11000221) 11000224

**Vacuum unit** (reagent & paraffin) for 2 paraffin beakers 11000225

**Vacuum unit** (reagent & paraffin) for 3 paraffin beakers (only in combination with 11000221) 11000226

**All reagent beakers** (aluminum) 11000222

**All reagent beakers** (glass) 11000227

**Remote alarm module** (GSM) 11000271

**TWIN basket** for MTP 11000221

**Exhaust fan system** incl. carbon filter 11000211

## Optional accessories

### Item No.

**Reagent beaker** (aluminum, 1 pcs.) 11000229

**Reagent beaker** (plastic [POM], white, 1 pcs.) 11000251

**Heated paraffin beaker** (aluminum) 11000252

**Transport basket** (stainless steel) incl. holder and lid 11000253

**Carbon filter** (spare) 11000254

**Organizer cartridge** (stainless steel, 1 pcs.) for 65 cassettes 11000255

# MTM I / II

## Vacuum tissue processor

The SLEE vacuum tissue processors **MTM I** and **MTM II** combine state of the art technology with comfortable handling and design. The tissue processor **MTM II** also offers a cost-efficient and user-friendly alternative for the fast biopsy processing.

With the innovative EHE element (enhanced heat exchanger), the MTM II is the fastest and gentlest tissue processor without using often harmful microwaves.

The system can be operated with traditional reagents or with most of the xylene and ethyl alcohol substitutes available on the market.

A user-friendly reagent management system and an optimized cleaning cycle routine are the basis for higher cost efficiency and higher turn-over. Simplify the daily laboratory routine. Process safety is guaranteed with an intelligent remote alarm system that communicates via mobile or internet.

### Two functionalities – one device

#### Short processing time

45 minutes / run biopsies

#### High sample turnover

300 samples / run routine

### Highlights

- Safe tissue processing with prewarmed reagents
- Fully automatic reagent management system
- Automatic cleaning cycles
- Intuitive control via 15"-TFT-display
- Active carbon filter supported ventilation
- Remote alarm system (GSM, optional)

Item No.

**MTM I 230 V, 50/60 Hz**

Vacuum tissue processor

11000500

**MTM II 230 V, 50/60 Hz**

Fast vacuum tissue processor

11000600

**MTM I 115 V, 60 Hz**

Vacuum tissue processor

11000501

**MTM II 115 V, 60 Hz**

Fast vacuum tissue processor

11000601



MTM I



MTM II



Intuitive control via 15"-TFT-display

Standard components	MTM I	MTM II
<b>EHE element</b> for preheated reagents		✓
<b>15"-TFT-display</b> with touchscreen	✓	✓
<b>2 cassette baskets</b> (stainless steel, 150 cassettes each)	✓	✓
<b>Reagent beaker</b> (10 pcs.)	✓	✓
<b>Paraffin beaker</b> (4 + 1 pcs.)	✓	✓
<b>Cleaning solution beaker</b> (2 pcs.)	✓	✓
<b>Mains cable</b>	✓	✓
<b>Manual</b>	✓	✓

Specifications	MTM I	MTM II
<b>Sample processing</b> chamber capacity	300 standard cassettes	
<b>Sample processing</b> chamber temperature	up to 65 °C	
<b>Reagent beaker</b>	10 (2.5 l each)	
<b>Paraffin beaker</b> (quantity and capacity)	4 + 1 (2.5 l each)	
<b>Electrical parameters</b>	1,000 W	1,500 W
	115 or 230 V, 50/60 Hz	
<b>Dimensions</b> (W x D x H)		
w/o monitor	720 x 700 x 1,080 mm	
with monitor	720 x 700 x 1,400 mm	
<b>Weight</b> (w/o accessories)	120 kg	135 kg

Optional accessories MTM I + II	Item No.
<b>Cassette basket</b>	39600061
<b>Holder for cassette basket</b>	39600062
<b>Reagent beaker</b> (2 necks)	39600030
<b>Refill pack active carbon</b>	39600268
<b>Uninterruptible power supply</b> (UPS) 230 V · 1,500 VA · 1,200 W (MTM I)	11000510
<b>Uninterruptible power supply</b> (UPS) 230 V · 2,200 VA · 1,760 W (MTM II)	11000504
<b>Remote alarm system</b> (GSM)	11000270

# Embedding centers

Slee offers two ergonomic embedding centers for an optimized workflow in smaller and routine laboratories. **MPS P I** is a compact paraffin embedding center for low to medium throughput, **MPS P II** is a modular system for high-throughput routine applications.





## **MPS P I**

Compact paraffin embedding center

## **MPS P II**

Modular paraffin embedding center for high throughput

# MPS P I Compact paraffin embedding center

The space saving **MPS P I** is a complete paraffin dispensing unit including a 3.8 liters paraffin container, a heated working area and a cooling spot. The ergonomically elevated heated working area is illuminated by an adjustable LED light and allows comfortable processing of specimens. All functions of the device are controlled by an intuitive control panel including programmable working hours. Two heated trays provide a pre-warming capacity of 120 cassettes and 250 embedding molds.

## Highlights

- Manual lever and foot switch for paraffin dispensing
- Spacious cooling spot
- Integrated magnifier, adjustable
- Armrest for optimized work ergonomics
- Spacious and heated paraffin collection tray
- 3.8 liters paraffin container
- Programmable operating times
- Easily adjustable forceps holders, magnetic
- LED illumination, adjustable
- Intuitive control panel
- Integrated heated wax trimmer
  - Efficiently removes excess paraffin from any embedding tissue cassette
  - Paraffin is easily melted away and drains into the removable tray below
  - Physical damages (e.g. due to conventional trimming tools such as knife or razor) are consequently avoided
  - Large scale design of the trimmer area enables simultaneous paraffin trimming of multiple blocks
- Two pre-warmed areas for up to 120 cassettes and 250 embedding molds
- Large variety of electrically heated forceps (optional)





## Item No.

MPS P I 230 V, 50/60 Hz 10190000

MPS P I 115 V, 60 Hz 10192000

## Standard components

Pre-warming and dispensing module

Foot switch for paraffin dispenser

Magnifier, adjustable

Paraffin collection tray

Forceps holder

Forceps (1 x blunt, 1 x pointed)

Cleaning spatula, black

Base molds 7 x 7 x 7 mm (stainless steel, 12 pcs.)

Base molds 24 x 24 x 7 mm (stainless steel, 12 pcs.)

Mains cable

Manual

## Specifications

Temperature range up to 80 °C programmable

Cooling spot 50 x 50 mm

Paraffin container (capacity) 3.8 l

Pre-warmed area for cassettes (W x D x H) up to 120 cassettes  
removable tray 125 x 205 x 40 mm

Pre-warmed area for base molds (W x D x H) up to 250 molds  
removable tray 125 x 205 x 40 mm

Electrical parameters 115 V, 60 Hz | 230 V, 50/60 Hz

Dimensions (W x D x H) 450 x 570 x 295 mm

Working area (W x D) 450 x 240 mm

Weight w/o accessories 22 kg

## Flexibel



Forceps can be freely placed in the holders with a capacity of three forceps each. Electrical forceps can be connected optionally.

## Everything within reach



Two heated trays, for either 120 standard cassettes and 250 embedding molds are easily accessible in the rear of the working area.

# MPS P II Modular paraffin embedding center

The modular paraffin embedding center **MPS P II** features ease of operation, spacious working area, large paraffin container capacity. All modules operate at the same working height and can be arranged accordingly to laboratory requirements. The flexible 3-module system consists of a dispensing element **MPS P**, a pre-warming module **MPS W** and a cooling plate **MPS C** or **MPS CX**.

## Highlights

- Manual lever and foot switch for paraffin dispensing
- Spacious cooling spot
- Magnifier, adjustable
- Arm rest for optimized working ergonomics
- Spacious and heated paraffin collection tray
- Paraffin container, volume 5.5 liters
- Programmable operating times
- Magnetic forceps holders, easily adjustable
- LED-illumination, adjustable
- Intuitive control panel
- Integrated heated wax trimmer:
  - Efficiently removes excess paraffin from any embedding tissue cassette
  - Paraffin is easily melted away and drains into the removable tray below
  - Physical damages (e.g. due to conventional trimming tools such as knife or razor) are consequently avoided
  - Large scale design of the trimmer area enables simultaneous paraffin trimming of multiple blocks
- Large variety of electrically heated forceps (optional)



**Item No.**

**MPS P II 230 V, 50/60 Hz** 10185000

**MPS P II 115 V, 60 Hz** 10187000

**Standard components**

**Dispensing module MPS P**

**Pre-warming module MPS W**

**Cooling module MPS C for 120 cassettes**

**Foot switch** for paraffin dispenser

**Magnifier**, adjustable

**Paraffin collection tray**

**Forceps holder**

**Forceps** (1 x blunt, 1 x pointed)

**Cleaning spatula**, black

**Base molds 7 x 7 x 7 mm** (stainless steel, 12 pcs.)

**Base molds 24 x 24 x 7 mm** (stainless steel, 12 pcs.)

**Mains cable**

**Manual**



# **MPS P**

## **Dispensing module**



MPS P

**Item No.****MPS P 230 V, 50/60 Hz** 10170000**MPS P 115 V, 60 Hz** 10172000**Optional accessories****Item No.****Electrically heated forceps 0.5 - 4 mm**  
(straight, curved or angled) on demand**Base molds** (stainless steel, 12 pcs.)  
7 x 7 x 7 mm 30030050**Base molds** (stainless steel, 12 pcs.)  
30 x 24 x 7 mm 30030051**Base molds** (stainless steel, 12 pcs.)  
15 x 15 x 7 mm 30030052**Base molds** (stainless steel, 12 pcs.)  
24 x 24 x 7 mm 30030053**Base molds** (stainless steel, 12 pcs.)  
37 x 24 x 7 mm 30030054**Base molds** (stainless steel)  
Further sizes on demand**Specifications****Temperature range** up to 80 °C (paraffin container)  
up to 80 °C (working area)  
down to -5 °C (cooling spot)**Paraffin capacity** 5.5 l**Cooling spot** 50 x 50 mm**Forceps holders** 2 x 4 adjustable (magnetic)**Illumination** 3 LED spots, fixed  
3 LED spots, adjustable**Magnifier** included, adjustable**Paraffin flow** activation manually or via foot  
switch, adjustable flow rate**Control** programming of temperature,  
working day, working time, time  
and date**Electrical parameters** 115 V, 60 Hz | 230 V, 50/60 Hz**Dimensions** (W x D x H) 450 x 600 x 290 mm**Working area** (W x D) 450 x 240 mm**Weight** 18 kg**High throughput**

Large working area with integrated cooling spot. The working area has a special drainage system and guides spare paraffin into the extractable collection tray. The surface remains clean. This makes working and cleaning much easier.

**Perfect workflow**

The large-volume 5.5 l paraffin container allows a constant workflow. With perfectly adjusted light and easy to regulate flow, you will achieve excellent work results.

**MPS W**

***Pre-warming module***



MPS W

### Pre-warming for molds



To have enough molds ready, the MPS W has a mold warmer for up to 500 molds. Temperature freely selectable up to 80 °C.

### Pre-warming for cassettes



Take common baskets (like from the MTM tissue processor) and place them directly into the cassette area. The MPS W has a retractable lid for easy filling and operation.

### Easy to clean



The cassette tray can be taken out for cleaning. So, disposal of paraffin is easy.

### Item No.

MPS W 230 V, 50/60 Hz 10180000

MPS W 115 V, 60 Hz 10182000

## Specifications

<b>Heated cassette area</b> (W x D x H) removable tray	up to 320 cassettes 255 x 265 x 55 mm
<b>Heated mold area</b> (W x D x H)	up to 500 molds 260 x 220 x 70 mm
<b>Temperature range</b>	up to 80 °C (working areas)  programming of temperature, working day, working time, time and date
<b>Control</b>	
<b>Electrical parameters</b>	115 V, 60 Hz   230 V, 50/60 Hz
<b>Dimensions</b> (W x D x H)	300 x 600 x 290 mm
<b>Weight</b> w/o accessories	15 kg

# MPS C / CX

## Cooling module



MPS C



MPS CX



	Item No.
MPS C 230 V, 50 Hz	10175000
MPS C 115 V, 60 Hz	10177000

	Item No.
MPS CX 230 V, 50 Hz	10175020
MPS CX 115 V, 60 Hz	10177020

## Specifications MPS C

Temperature range	down to -15 °C
Cassette capacity	up to 80 cassettes
Control	programming of temperature, working day, working time, time and date
Dimensions (W x D x H)	400 x 600 x 290 mm
Cooling area (W x D)	370 x 270 mm
Electrical parameters	115 V, 60 Hz   230 V, 50 Hz
Weight	26 kg

## Specifications MPS CX

Temperature range	down to -15 °C
Cassette capacity	up to 120 cassettes
Control	programming of temperature, working day, working time, time and date
Dimensions (W x D x H)	600 x 600 x 290 mm
Cooling area (W x D)	570 x 270 mm
Electrical parameters	115 V, 60 Hz   230 V, 50 Hz
Weight	35 kg

## Optional accessories

	Item No.
Transparent hood for cooling area MPS C	10175100

## Optional accessories

	Item No.
Transparent hood for cooling area MPS CX	on demand

### Avoid ice



If you work in environments with high humidity ice formation on the cooling plate can occur. To avoid this, a transparent hood with sliding lid is optionally available.

### Independent



With independent controls, the MPS C or CX can be placed according to individual lab requirements.





# Microtomes

The high-precision, modularly assembled rotary microtomes range from a manual unit, type **CUT 4062**, to the semi-automatic type **CUT 5062** and to the fully automatic type **CUT 6062**. The range is completed by the manual sliding microtome type **Cuttec S**.

All microtomes are equipped with high-precision guideways with cage roller bearings and micrometer feed mechanism to ensure highest stability and precision. A huge variety of accessories offers the possibility and flexibility to customize your equipment and allows the use for any type of material or specimen in medical research, routine diagnostics or industrial applications.

# Overview

## Rotary microtomes



CUT 4062



CUT 5062



CUT 6062

### CUT 4062

#### *Manual precision microtome*

#### **Disposable blade holder**

(alternatively: standard knife holder)

#### **Mechanical trimming function in 4 steps,**

10; 20; 30; 40  $\mu\text{m}$

#### **Manual feed with ergonomically located coarse feed wheel**

#### **Specimen orientation**

#### **Acoustic signal at end positions**

#### **Automatic specimen retraction**

### Options

#### **Section counter, standard specimen clamp**

(up to 50 x 50 mm), **foil clamp, prism set**

### Specifications

**Cutting thickness** 0.5 - 60  $\mu\text{m}$

**Horizontal advance** 28 mm

**Vertical stroke** 60 mm

#### **Specimen orientation**

x/y axis 8°

z axis 360°

**560 x 550 x 325 mm** (W x D x H)

**33 kg**

## CUT 5062

### *Semi-automatic precision microtome*

#### **Disposable blade holder**

(alternatively: standard knife holder)

#### **Motorized trimming function,**

0.5 - 750  $\mu\text{m}$

#### **Specimen orientation**

**2 specimen feed memory positions via button**

**Automatic motorized specimen retraction**

### **Options**

#### **Section counter, standard specimen clamp**

(up to 50 x 50 mm), **foil clamp, prism set**

### **Specifications**

**Cutting thickness** 0.5 - 100  $\mu\text{m}$

**Horizontal advance** 28 mm

**Vertical stroke** 72 mm

#### **Specimen orientation**

x/y axis 8°

z axis 360°

**520 x 600 x 325 mm** (W x D x H)

**33 kg**

## CUT 6062

### *Fully-automatic precision microtome*

#### **Disposable blade holder**

(alternatively: standard knife holder)

#### **Motorized trimming function,**

0.5 - 750  $\mu\text{m}$

#### **Motorized sectioning**

(section window / variably adjustable cutting speeds)

#### **Specimen orientation**

**2 specimen feed memory positions via button**

**Automatic motorized specimen retraction**

### **Options**

#### **Section counter, standard specimen clamp**

(up to 50 x 50 mm), **foil clamp, prism set**

### **Specifications**

**Cutting thickness** 0.5 - 100  $\mu\text{m}$

**Horizontal advance** 28 mm

**Vertical stroke** 72 mm

#### **Cutting speed variable**

up to 450 mm/s

#### **Specimen orientation**

x/y axis 8°

z axis 360°

**520 x 600 x 325 mm** (W x D x H)

**34 kg**

# CUT 4062 Manual precision microtome

The Slee precision microtome **CUT 4062** is designed for all applications in routine, research or industry. Years of experience and customer input have contributed to create one of the best manual microtomes available. The **CUT 4062** combines highest precision with user friendliness as well as best comfort. Like all Slee microtomes, the **CUT 4062** 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
- Hand wheel lock in any position
- Blade holder levers changeable (for left-handed users)
- Specimen retraction with upstroke
- Section counter (optional)
- Second hand wheel brake (optional)
- Coarse feed wheel reversible direction (on demand)

Item No.

CUT 4062

10065000

## 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

**Section thickness range** 0.5 - 60  $\mu\text{m}$

**Section thickness settings** 0.5 - 2  $\mu\text{m}$  in 0.5- $\mu\text{m}$ -steps  
2 - 10  $\mu\text{m}$  in 1- $\mu\text{m}$ -steps  
10 - 60  $\mu\text{m}$  in 2- $\mu\text{m}$ -steps

**Trim thickness settings** 10  $\mu\text{m}$ , 20  $\mu\text{m}$ , 30  $\mu\text{m}$ ,  
40  $\mu\text{m}$

**Horizontal advance** 28 mm

**Vertical stroke** 60 mm

**Specimen retraction** automatic

**Specimen orientation**  $\pm 8^\circ$

**Dimensions** (W x D x H) 560 x 550 x 325 mm

**Weight** 33 kg





Optional accessories	Item No.
<b>Aquatec system</b>	10090056
<b>MTR bench top quick freezing unit</b>	10110000
<b>Magnifier with illumination</b> (dimmmable)	10090060
<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
<b>Section counter</b>	10090020
More on request	

### Easy to use



Trim and cutting thickness are easily adjustable via the centrally located controls. Through the viewing window the set cutting thickness can be seen at any time.

### Section counter



Optional digital section counter at eye level.

# 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.)

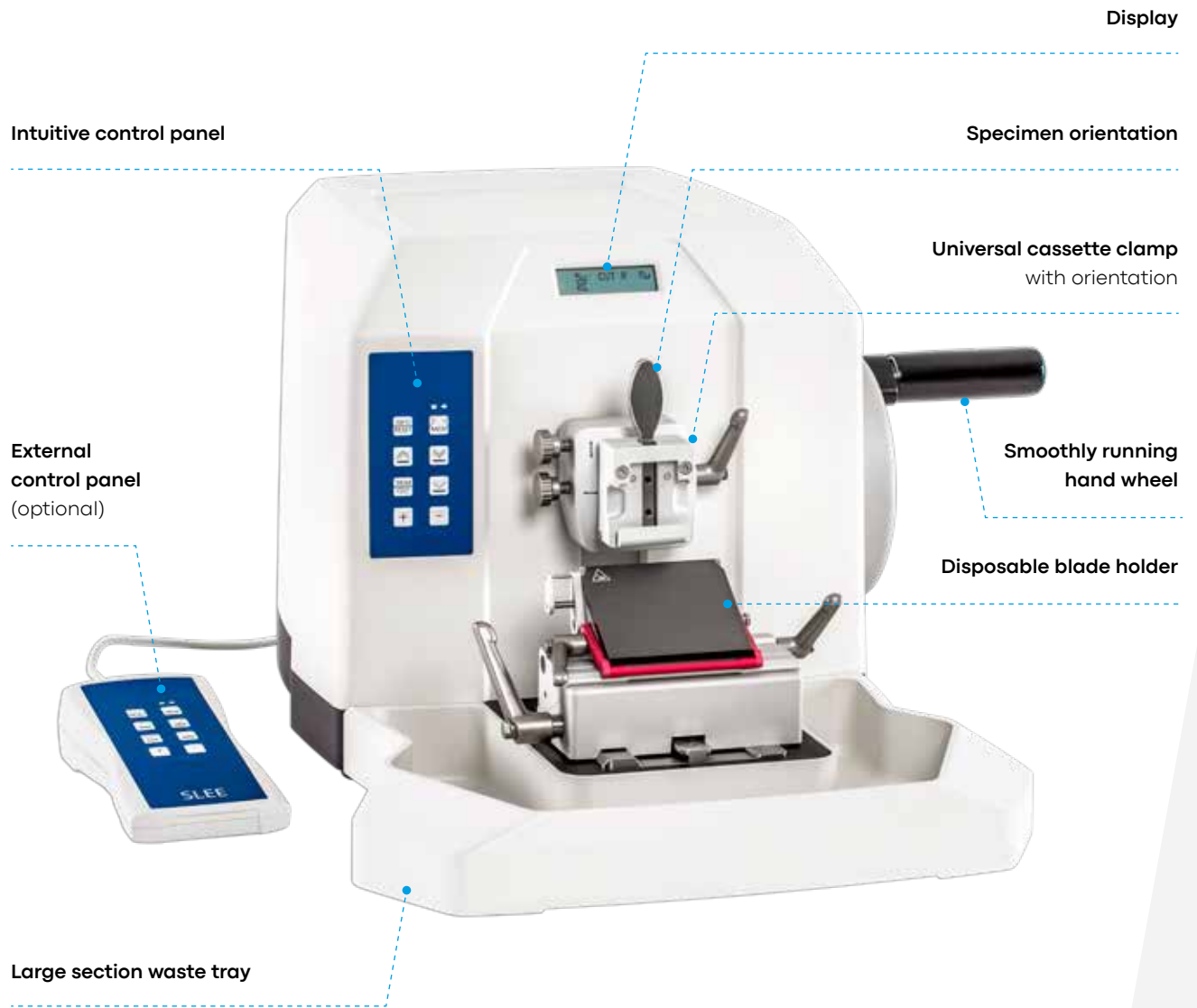
### Dust cover

### Mains cable

### Manual

## Specifications

<b>Section thickness range</b>	0.5 - 100 µm
<b>Section thickness settings</b>	0.5 - 2 µm in 0.5-µm-steps 2 - 20 µm in 1-µm-steps 20 - 50 µm in 2-µm-steps 50 - 100 µm in 5-µm-steps
<b>Trim thickness settings</b>	0.5 - 750 µm 0.5 - 2 µm in 0.5-µm-steps 2 - 20 µm in 1-µm-steps 20 - 50 µm in 2-µm-steps 50 - 150 µm in 5-µm-steps 150 - 750 µm in 10-µm-steps
<b>Horizontal advance</b>	28 mm
<b>Feed speed SLOW</b>	75 / 150 / 300 / 600 µm/s
<b>Feed speed</b>	normal 3,000 µm/s
<b>Vertical stroke</b>	72 mm
<b>Specimen retraction</b>	0 - 200 µm, selectable
<b>Specimen orientation</b>	± 8°
<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



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.

# CUT 6062 Fully-automatic precision microtome

The Slee fully-automatic precision microtome **CUT 6062** is designed for all applications in routine, research or industry. Years of experience and customer input have contributed to create one of the best fully-automatic microtomes available. The **CUT 6062** combines highest precision with user friendliness as well as best comfort. The motorized sectioning combined with innovative features and accessories make the **CUT 6062** unique. Like all Slee microtomes, the **CUT 6062** 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)
- High efficient motorized sectioning (section window / variably adjustable cutting speeds)
- 7 different operation modes (motorized: continuous, program, single step, step, window / manual: 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.)

**Foot switch** for motor drive

**Dust cover**

**Mains cable**

**Manual**

## Specifications

**Section thickness range**

0.5 - 100 µm

**Section thickness settings**

0.5 - 2 µm in 0.5-µm-steps  
2 - 20 µm in 1-µm-steps  
20 - 50 µm in 2-µm-steps  
50 - 100 µm in 5-µm-steps

**Trim thickness settings**

0.5 - 750 µm  
0.5 - 2 µm in 0.5-µm-steps  
2 - 20 µm in 1-µm-steps  
20 - 50 µm in 2-µm-steps  
50 - 150 µm in 5-µm-steps  
150 - 750 µm in 10-µm-steps

**Horizontal advance**

28 mm

**Feed speed SLOW**

75 / 150 / 300 / 600 µm/s

**Feed speed**

normal 3,000 µm/s

**Vertical stroke**

72 mm

**Cutting speed**

up to 450 mm/s

**Specimen retraction**

0 - 200 µm, selectable

**Specimen orientation**

± 8°

**Electrical parameters**

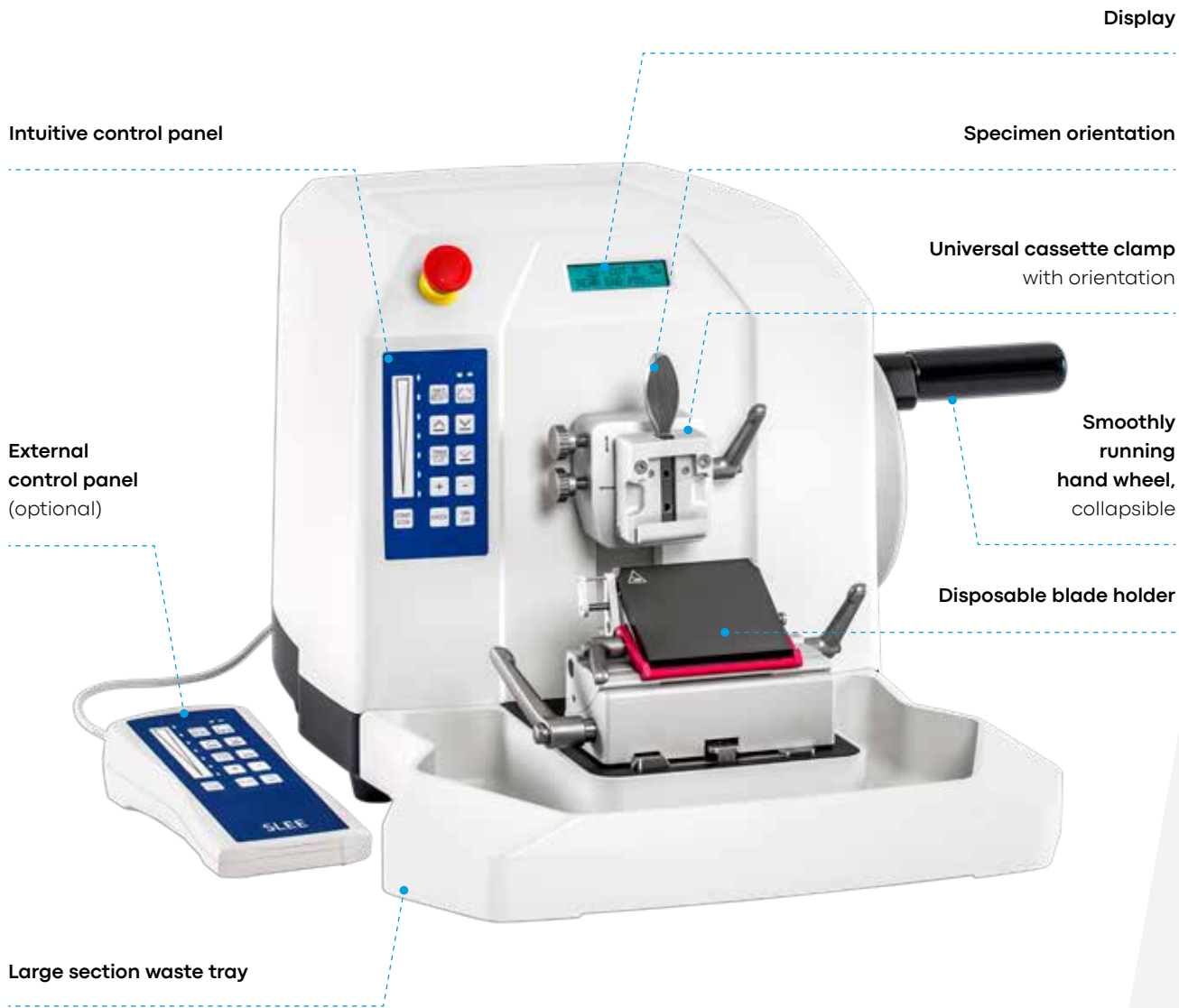
100 - 240 V, 50/60 Hz

**Dimensions (W x D x H)**

520 x 600 x 325 mm

**Weight**

34 kg



**Collapsible handle**



The handle of the hand wheel of the CUT 6062 can be folded in to increase safety when the cutting motor is in operation.

**Comfort**



For enjoying highest comfort when using CUT 6062, the device is delivered with a foot switch as a standard accessory.



Optional accessories	Item No.
<b>Aquatec system</b>	10090056
<b>MTR bench top quick freezing unit</b>	10110000
<b>Magnifier with illumination</b> (dimmable)	10090060
<b>External control panel CUT 6062</b>	10090051
<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 6062: 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 6062.

# 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.

# Aquatec Transfer system for microtomes of CUT series

The **Aquatec** system provides the solution to the daily challenges of cutting demanding paraffin sections. Already during the cutting process, the section is stretched due to the temperature-controlled laminar water film. The volume flow of the water film can be adjusted at any time according to the cutting requirements.

When the transfer bridge is open, the damp cutting waste is led straight into the waste container and condenses there by collapsing in on itself. This massively reduces the volume. Frequent emptying of the cutting waste container is no longer necessary.

With the bridge closed, the selected section slides gently directly into the temperature-controlled water bath. In the illuminated water bath the section can be evaluated and selected. The high-quality sections can now be easily handled in the accustomed manner. All settings are carried out via the touch display on the front.



## Highlights

- Adjustable laminar water flow for perfect section stretching
- Significant reduction in the volume of section waste
- Easily removable waste tray
- Simplified cutting and simple creation of section ribbons
- Freely positionable unit for section illumination, dimmable
- Intuitive control via touchscreen
- Display with lock function to prevent unauthorized changes of device settings
- Integrated blade ejector
- Integrated power supply and electronic control

Item No.

Aquatec 100 - 240 V, 50/60 Hz

10090056



Setting up the device



Taking the sample

## Specifications

<b>Water bath temperature</b>	up to 50 °C
<b>Water bath volume</b>	750 ml
<b>Pump reservoir volume</b>	570 ml
<b>Flow rate</b>	0 - 500 ml/min

## Specifications

<b>Dimensions (W x D x H)</b>	
w/o transfer bridge, knife holder basic device	
mounted on microtome	300 x 235 x 128 mm
basic device not mounted on microtome	300 x 280 x 128 mm

<b>Electrical parameters</b>	100 - 240 V, 50/60 Hz
------------------------------	-----------------------

## Weight

basic device	
w/o transfer bridge, knife holder, incl. lid	5.0 kg
knife holder AQ	2.4 kg

# CUT

## External control panel

The external control panel allows the user to control the device from the left or right side of the unit. The greater distance is an additional protection from blades and moving parts.

Item No.

External control panel CUT 5062

10090050

External control panel CUT 6062

10090051



### Highlights

- Free positioning due to long supply cable with 1.8 m length (suitable for right- and left-handers)
- Reaching over the blade is avoided
- Same user interface of device and control panel
- Secure stand due to rubber feet, no slipping
- User-friendly shape

# Magnifier with illumination

When miniature samples have to be processed precisely, attention to detail is crucial. The illuminated magnifier mounted directly on the microtome basis is the perfect accessory to meet these requirements.

Item No.

Magnifier with illumination  
100 - 240 V, 50/60 Hz

10090060



## Highlights

- Rotatable and adjustable through flexible metal tube
- Lens (Ø 72 mm, diopter: 6)
- Light source: 63 x light-emitting diode (LED), neutral white
- Dimmer (touch function)

# MTR

## Bench top quick-freezing unit

The **MTR** quick-freezing unit consists of a compressor cooling system with a 2 m flexible isolation tube and a cooling block which can be adapted to a standard specimen clamp of different types of microtomes.



### Highlights

- Low operating noise
- Self optimizing controller for temperature accuracy
- Manual defrost
- High cooling capacity down to  $-45\text{ }^{\circ}\text{C}$



## Specifications

Cooling capacity	down to -45 °C
Dimensions (W x D x H)	410 x 485 x 310 mm
Weight	28 kg

## Item No.

MTR 230 V, 50/60 Hz for CUT series	10110000
MTR 230 V, 50/60 Hz for Cuttec S	10110001
MTR 115 V, 60 Hz for CUT series	10110002
MTR 115 V, 60 Hz for Cuttec S	10110003

**Slee**  
**Fresh**  
**Design.**  
**New**  
**Ideas.**

# Microtome Cuttec S

*Manual sliding microtome with precise mechanics  
and flexible specimen orientation*



# Cuttec S

## Manual sliding microtome

The manual sliding microtome **Cuttec S** is designed for all applications in routine, research or industry, always focusing on the needs of the user. The precise mechanisms together with the smooth operation are contributing to best quality sections every day. Features like the specimen orientation are included as standard components.

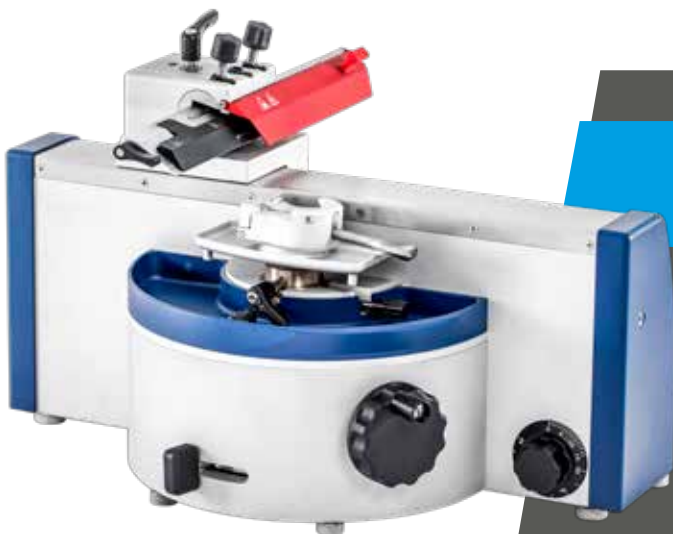
### Specifications

<b>Section thickness range</b>	0 - 60 µm
<b>Section thickness settings</b>	0 - 15 µm in 1-µm-steps 15 - 60 µm in 5-µm-steps
<b>Automatic feed</b>	0 - 60 µm
<b>Specimen feed</b>	30 mm
<b>Maximum specimen size</b>	50 x 70 x 20 mm
<b>Specimen orientation</b>	±8°
<b>Length of cutting way</b>	180 mm
<b>Dimensions (W x D x H)</b>	150 x 450 x 200 mm
<b>Weight w/o accessories</b>	18 kg

### Item No.

Cuttec S

10040001

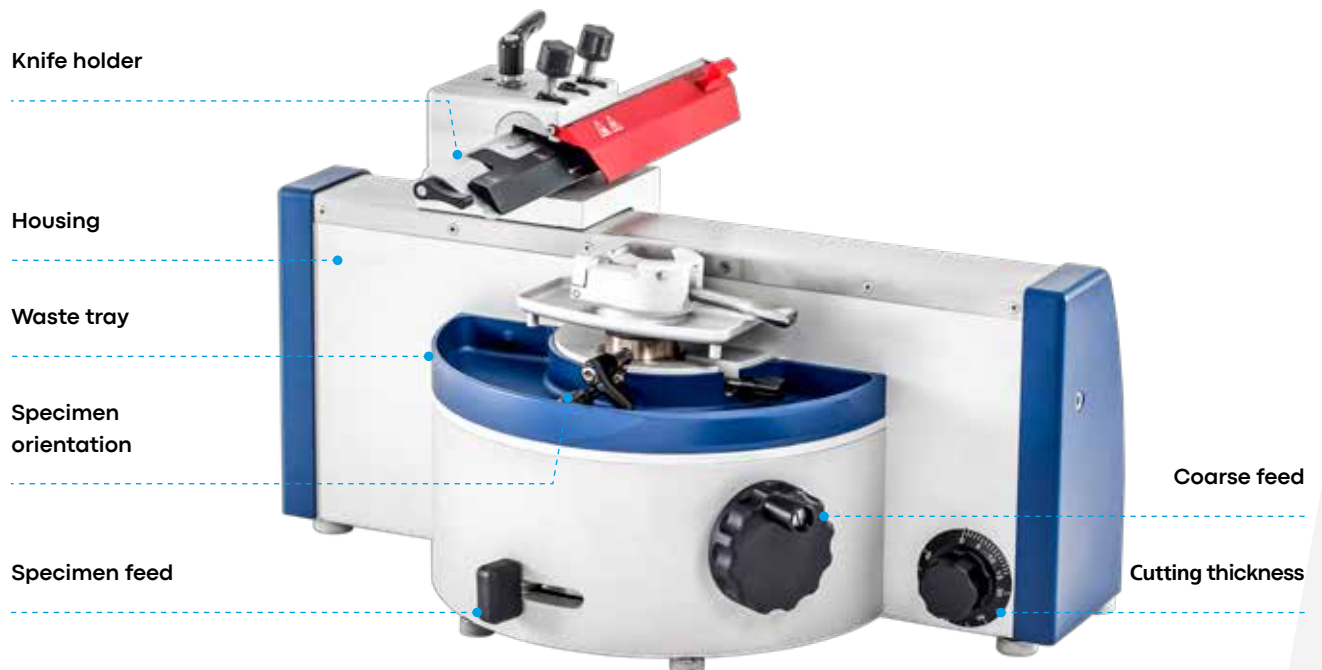


### Highlights

- High quality sections
- Safety features to protect user and specimen
- Ergonomic design for fatigue-free working
- Precise specimen orientation
- Complete set of accessories
- Waste tray included

# Safe and easy operation

Keeping the safety of the user and specimen in mind, e.g. by the locking mechanism or the finger protection system



### **Specimen orientation**



Specimen orientation on the x and y axis allows quick alignment of the specimen to the desired position.

### **Finger protection**



Manipulations with the inserted knife are risky. To prevent injuries, the red finger guard offers protection.

### **Waste tray**



The waste tray included in the standard equipment perfectly fits to the housing and collects the cutting waste. Emptying is fast and easy.

### **Easy Operation**



Operation is simple and all settings are within reach of the user. E.g. you can find the cutting thickness selection on the front side of the device. Simply set the number on the wheel.

### **Safety**



Since the carriage of the Cuttec S is very smooth-running, it is important to brake it easily. This is achieved by the very easily accessible brake.

### **Perfect fit**



The best microtome is nothing without the perfect blade. Slee offers both low and high profile blades that perfectly fit the Cuttec S.

# Cryostats

The Slee cryostats stand for reliability, precision, safety and convenience for a wide range of applications in histopathology as well as in industry for quality control and materials research. Since the development of the world's first cryostat, Slee stands for the highest quality medical devices and products. The devices offer best ergonomic features and efficiency. The **MEV** and **MNT** series are equipped with a spacious cooling chamber, have intuitive controls and an automatic defrost function. The heart of all devices is the precision rotary microtome in proven Slee quality. A wide range of optional accessories allows adaptation to individual requirements.



# Overview cryostats



## MEV / MEV + Routine cryostat

Exchangeable standard knife or disposable blade holder

Specimen orientation

Low temperature storage area for up to 24 object holders

Power saving mode

Automatic motorized retraction

### Options

- 2 quick freezing positions
- Object cooling (-45 °C)
- UV-C disinfection
- Extraction system

### Specifications

Cutting thickness 0.5 - 100 µm

Trimming thickness 0.5 - 750 µm

Horizontal advance 28 mm

Vertical stroke 57 mm

Specimen orientation x/y axis 8°, z axis 360°

Specimen holders 22 and 35 mm Ø, with grip protection

Cryochamber temperature 0 °C down to -35 °C

MEV 680 x 760 x 1,110 mm (W x D x H)

MEV 127 kg, MEV + 154 kg

MEV +: product based on MEV platform including the following options:  
UV-C disinfection, 2 quick freezing positions and object cooling

## MNT High-end cryostat

Exchangeable standard knife or disposable blade holder

Variable cutting speed

Specimen orientation

Low temperature storage area for up to 24 object holders

Power saving mode

Automatic motorized retraction

### Options

- 2 quick freezing positions
- Object cooling (-45 °C)
- UV-C disinfection
- Extraction system

### Specifications

Cutting thickness 0.5 - 100 µm

Trimming thickness 0.5 - 750 µm

Horizontal advance 28 mm

Vertical stroke 57 mm

Variable cutting speed 0.5 - 300 mm/s

Specimen orientation x/y axis 8°, z axis 360°

Specimen holders 22 and 35 mm Ø, with grip protection

Cryochamber temperature 0 °C down to -35 °C

MEV +, MNT 750 x 760 x 1,110 mm (W x D x H)

154 kg

# MEV/ MEV +

## Routine cryostat

The model **MEV** features convenient operation and a modern rotary microtome. The space-saving design has a large stainless steel cryo-chamber, an effective freezing bar with 24 positions and a cryochamber cooling temperature down to  $-35\text{ }^{\circ}\text{C}$ .

Many years of experience in this market and regular feedback from customers enable us to provide the **MEV +** cryostat, covering the most common requirements most frequently needed in routine histology. The device is equipped with UV-C surface disinfection, 2 quick freezing positions and object cooling.



### Highlights

- Modern rotary microtome with high-precision automatic feed
- Integrated section counter
- Large anti-roll plate
- Intuitive control
- Automatic defrost
- 24 freezing positions
- Extraction system (optional)
- 2 quick freezing positions (optional)
- UV-C disinfection (optional)
- Object cooling (optional)



	Item No.
MEV 230 V, 50/60 Hz	10150000
MEV 115 V, 60 Hz	10153000

	Item No.
MEV + 230 V, 50/60 Hz	10150700
MEV + 115 V, 60 Hz	10150701

**MEV + including:** UV-C disinfection, 2 quick freezing positions and object cooling

## Standard components

Anti-roll plate

Specimen holders (5 x Ø 22 mm; 5 x Ø 35 mm)

Section counter

Disposable blade holder

(alternatively: standard knife holder)

Heat extractor (1 pcs.)

Rack for specimen holders (stainless steel)

Disposable blades (box with 50 pcs.)

CryoGlue embedding medium (125 ml)

Cryostat low temperature oil (50 ml)

Set of Allen keys

Clear-cut brush

Mains cable

Manual

## Specifications

**Cryochamber temperature** 0 °C down to -35 °C

**Section thickness range**

0.5 - 100 µm

**Section thickness settings**

0.5 - 2 µm in 0.5-µm-steps

2 - 20 µm in 1-µm-steps

20 - 50 µm in 2-µm-steps

50 - 100 µm in 5-µm-steps

**Trim thickness settings**

0.5 - 750 µm

0.5 - 2 µm in 0.5-µm-steps

2 - 20 µm in 1-µm-steps

20 - 50 µm in 2-µm-steps

50 - 150 µm in 5-µm-steps

150 - 750 µm in 10-µm-steps

**Horizontal advance**

28 mm

**Vertical stroke**

58 mm

**Specimen retraction**

0 - 200 µm, selectable

**Specimen orientation, horizontal**

8°

**Specimen orientation, vertical**

8°

**Specimen orientation, z axis**

360°

**Electrical parameters**

115 V, 60 Hz | 230 V, 50/60 Hz

**Dimensions (W x D x H)**

**MEV**

680 x 760 x 1.110 mm

**MEV + and all devices**

750 x 760 x 1.100 mm

with object cooling option

**Weight w/o accessories**

127 kg MEV

154 kg MEV +



MEV stainless steel cryochamber with modern rotary microtome

### Options

	Item No.
<b>2 quick freezing positions</b>	10159000
<b>UV-C disinfection</b> 230 V, 50/60 Hz	10169000
<b>UV-C disinfection</b> 115 V, 60 Hz	10169001
<b>Object cooling</b> 230 V, 50/60 Hz	10164000
<b>Object cooling</b> 115 V, 60 Hz	10164200
<b>Debris extraction system</b> 230 V, 50/60 Hz	10167000
<b>Debris extraction system</b> 115 V, 60 Hz	10167200

### Optional accessories

	Item No.
<b>Standard knife holder</b>	10156010
<b>Section waste cloth</b> (set of 10 pcs.)	30000015
<b>Specimen holder</b> (Ø 22 mm; 5 pcs.)	30000002
<b>Specimen holder</b> (Ø 28 mm; 5 pcs.)	30000017
<b>Specimen holder</b> (Ø 35 mm; 5 pcs.)	30000000
<b>Specimen holder</b> (Ø 50 mm; 5 pcs.)	30000003
<b>Rack for specimen holders</b> (stainless steel)	31000769
<b>Cork plates</b> (Ø 20 mm; 100 pcs.)	30001001
<b>CryoGlue embedding medium</b> (4 x 125 ml)	30001100
<b>Clear-cut brush</b>	30001030
<b>Anti-roll plate</b> (disposable blade holder, plastic)	32001050
<b>Anti-roll plate</b> (standard knife holder, plastic)	32001049
<b>Steel knife</b> (16 cm-C-profile, 1 pcs.)	28000026
<b>Disposable blades</b> (cf. consumables)	
<b>Ergosit laboratory chair</b>	10157010

# MNT

## High-end cryostat

The **MNT** high-end cryostat is designed for histopathology and research applications. The device is equipped with a fully automatic rotary microtome with extremely high mechanical stability and backlash-free roller guides. Furthermore, the device has a state-of-the-art control system.



### Highlights

- Modern rotary microtome with high-precision automatic feed
- Integrated section counter
- Cutting motor with variable speed
- Large anti-roll plate
- Intuitive control
- Automatic defrost
- 24 freezing positions
- Extraction system (optional)
- 2 quick freezing positions (optional)
- UV-C disinfection (optional)
- Object cooling (optional)

MNT 230 V, 50/60 Hz 10160000

MNT 115 V, 60 Hz 10162000

## Standard components

Anti-roll plate

Specimen holders (5 x Ø 22 mm; 5 x Ø 35 mm)

Section counter

Disposable blade holder  
(alternatively: standard knife holder)

Heat extractor (1 pcs.)

Foot switch for motor drive

Rack for specimen holders (stainless steel)

Disposable blades (box with 50 pcs.)

CryoGlue embedding medium (125 ml)

Cryostat low temperature oil (50 ml)

Set of Allen keys

Clear-cut brush

Mains cable

Manual

## Specifications

Cryochamber temperature 0 °C down to -35 °C

Section thickness range 0.5 - 100 µm

Section thickness settings  
0.5 - 2 µm in 0.5-µm-steps  
2 - 20 µm in 1-µm-steps  
20 - 50 µm in 2-µm-steps  
50 - 100 µm in 5-µm-steps

Trim thickness settings  
0.5 - 750 µm  
0.5 - 2 µm in 0.5-µm-steps  
2 - 20 µm in 1-µm-steps  
20 - 50 µm in 2-µm-steps  
50 - 150 µm in 5-µm-steps  
150 - 750 µm in 10-µm-steps

Horizontal advance 28 mm

Vertical stroke 58 mm

Sectioning speed 20 - 300 mm/s, selectable

Specimen retraction 0 - 200 µm, selectable

Specimen orientation, horizontal 8°

Specimen orientation, vertical 8°

Specimen orientation, z axis 360°

Electrical parameters 115 V, 60 Hz | 230 V, 50/60 Hz

Dimensions (W x D x H) 750 x 760 x 1.100 mm

Weight w/o accessories 154 kg



MNT stainless steel cryochamber with modern rotary microtome and specimen holder

## Options

	Item No.
<b>2 quick freezing positions</b>	10159000
<b>UV-C disinfection</b> 230 V, 50/60 Hz	10169000
<b>UV-C disinfection</b> 115 V, 60 Hz	10169001
<b>Object cooling</b> 230 V, 50/60 Hz	10164000
<b>Object cooling</b> 115 V, 60 Hz	10164200
<b>Debris extraction system</b> 230 V, 50/60 Hz	10167000
<b>Debris extraction system</b> 115 V, 60 Hz	10167200

## Optional accessories

	Item No.
<b>Standard knife holder</b>	10156010
<b>Section waste cloth</b> (set of 10 pcs.)	30000015
<b>Specimen holder</b> (Ø 22 mm; 5 pcs.)	30000002
<b>Specimen holder</b> (Ø 28 mm; 5 pcs.)	30000017
<b>Specimen holder</b> (Ø 35 mm; 5 pcs.)	30000000
<b>Specimen holder</b> (Ø 50 mm; 5 pcs.)	30000003
<b>Rack for specimen holders</b> (stainless steel)	31000769
<b>Cork plates</b> (Ø 20 mm; 100 pcs.)	30001001
<b>CryoGlue embedding medium</b> (4 x 125 ml)	30001100
<b>Clear-cut brush</b>	30001030
<b>Anti-roll plate</b> (disposable blade holder, plastic)	32001050
<b>Anti-roll plate</b> (standard knife holder, plastic)	32001049
<b>Steel knife</b> (16 cm-C-profile, 1 pcs.)	28000026
<b>Disposable blades</b> (cf. consumables)	
<b>Ergosit laboratory chair</b>	10157010

# Water baths & slide warmers

*Slee offers a reliable and safe solution for every laboratory and all requirements. The devices are available as combination or as a single device*





## **Slidetec Water / Heat**

Water bath & slide warmer

### **Slidetec Heat**

Slide warmer

### **Slidetec Water**

Water bath

### **Slidetec Water S**

Water bath

# Overview

## Water baths & slide warmers



### Slidetec Water / Heat

*Water bath & slide warmer*

#### Specifications

<b>Water bath volume</b>	2 l
<b>Capacity slide warmer</b>	30 slides
<b>Temperature range</b>	RT up to 60 °C (water bath) RT up to 80 °C (slide warmer)
<b>Electrical parameters</b>	115 V, 60 Hz   230 V, 50/60 Hz
<b>Consumption</b>	600 W
<b>Dimensions (W x D x H)</b>	370 x 560 x 230 mm
<b>Weight</b>	18 kg

#### Item No.

<b>Slidetec Water / Heat 230 V, 50/60 Hz</b>	13000500
<b>Slidetec Water / Heat 115 V, 60 Hz</b>	13000501

### Slidetec Heat

*Slide warmer*

#### Specifications

<b>Capacity slide warmer</b>	30 slides
<b>Temperature range</b>	RT up to 80 °C
<b>Electrical parameters</b>	115 V, 60 Hz   230 V, 50/60 Hz
<b>Consumption</b>	300 W
<b>Dimensions (W x D x H)</b>	350 x 370 x 230 mm
<b>Weight</b>	15 kg

#### Item No.

<b>Slidetec Heat 230 V, 50/60 Hz</b>	13000510
<b>Slidetec Heat 115 V, 60 Hz</b>	13000511





## Slidetec Water

*Water bath*

### Specifications

<b>Water bath volume</b>	2 l
<b>Temperature range</b>	RT up to 60 °C
<b>Electrical parameters</b>	115 V, 60 Hz   230 V, 50/60 Hz
<b>Consumption</b>	300 W
<b>Dimensions (W x D x H)</b>	350 x 370 x 230 mm
<b>Weight</b>	10 kg

#### Item No.

Slidetec Water 230 V, 50/60 Hz 13000520

Slidetec Water 115 V, 60 Hz 13000521

### Optional accessories

#### Item No.

**Lid** for Slidetec Water or Water / Heat to cover the glass tray 13000550

## Slidetec Water S

*Water bath*

### Specifications

<b>Water bath volume</b>	1.6 l
<b>Temperature range</b>	RT up to 60 °C
<b>Electrical parameters</b>	115 V, 60 Hz   230 V, 50/60 Hz
<b>Consumption</b>	300 W
<b>Dimensions (W x D x H)</b>	280 x 280 x 100 mm
<b>Weight</b>	2 kg

#### Item No.

Slidetec Water S 230 V, 50/60 Hz 13000530

Slidetec Water S 115 V, 60 Hz 13000531

### Optional accessories

#### Item No.

**Lid** for Slidetec Water S 13000551

# Staining systems

*Slee offers three different staining systems for different demands. Each laboratory can be equipped with a suitable staining system according to its individual requirements.*





## **MSM**

Carousel slide stainer

## **Cromatec I / Cromatec II**

Flexible staining system  
with highest throughput

## **MAS**

Multi protocol stainer

# MSM Carousel slide stainer

With its simple user interface and sophisticated technology, the **MSM** carousel stainer is designed to meet the requirements for routine staining in histology and cytology laboratories. The device is equipped with 24 incubation stations containing up to 400 ml. The flex-programming option allows different staining protocols while using the same reagents. An integrated UPS (uninterruptible power supply, with built-in batteries) ensures highest process reliability even in environments with frequent power failures. A reliable extraction system with carbon filter reduces contact with reagent vapors for increased workplace safety.



## Highlights

- Easy loading and full process control due to rotating table principle
- Integrated UPS system protects your samples
- Flex-programming
- System status monitor
- Password protection
- Intuitive control panel

**Item No.****MSM 100 - 240 V, 50/60 Hz**

12000205

## Standard components

**Staining cuvettes** (plastic, 24 pcs.)**Transport basket** (plastic, 1 pcs.)  
capacity 30 standard size micro slides**Mains cable****Manual**

## Specifications

**Staining cuvettes**material plastic  
dimensions (W x D x H) 130 x 40 x 135 mm  
volume 400 ml**Transport basket**material plastic  
capacity 30 standard size micro slides**Programming**20 staining programs,  
freely programmable**Electrical parameters**

100 - 230 V, 50/60 Hz

**Dimensions (W x D x H)**

870 x 870 x 750 mm

**Weight**

w/o accessories 80 kg

## Options

**Item No.****Hood** for MTP / MSM (Perspex)

11000220

**Staining cuvettes**

12000260

**Slide basket** (30 slides)

12000261

**Drying station**

12000256

**Exhaust fan**

11000210

**Exhaust fan**

incl. carbon filter

11000211

**Carbon filter**

11000254

# Cromatec I / II

## Stainer with highest throughput

The **Cromatec** series represents maximum productivity and highest economy in routine histology and cytology. It combines consistent staining quality with extraordinary ease of operation of the device. A continuous loading of the baskets with up to 30 slides supports the user to fulfil the daily requirements and enables staining with highest throughput.

The Cromatec slide baskets can be processed directly in all Slee coverslippers. In case of using a different coverslipper, there are adapters available for using the baskets in the Cromatec product line.

The flexibility of the Slee Cromatec stainer is unique. This singularity is characterized by individually programmable time settings for each station and freely selectable positions for the washing cuvettes. The cleaning of the exhaust

air is accomplished by the integrated carbon filter or by a connection to a central extraction system. The very quiet operating noise avoids any disturbance. Due to the compact and space saving design, the stainer can be easily integrated into your laboratory. To safeguard the operation of the unit in case of power failures, every device is equipped as standard with an integrated uninterruptible power supply (UPS).

### Highlights

- Highest throughput in routine, e.g. H&E staining
- Individual time settings, station for station, for maximum flexibility
- Continuous loading with slide baskets
- Up to 6 washing cuvettes with controlled fresh water supply
- Reagent management system for maximum and consistent staining quality
- Smart device connectivity for monitoring staining processes, apps for iOS and Android
- Very quiet operating noise
- Integrated exhaust cleaning with carbon filter
- Easy handling via 7" touch display
- Integrated LED illumination of the working area
- Integrated uninterruptible power supply

**Item No.**

**Cromatec I 100 - 240 V, 50/60 Hz** 17000000

**Cromatec II 100 - 240 V, 50/60 Hz** 17000001

**Highest flexibility**

**Cromatec I**

**Cromatec II**

High process flexibility

High process flexibility

Maximum throughput

Maximum throughput

Additional heating station

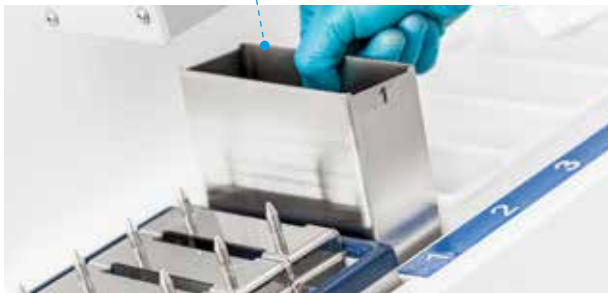


# Cromatec II

## Stainer with highest throughput

**Cromatec II** is based on model **Cromatec I** but offers an additional heating station. According to the user's requirement, it can be used as de-paraffinization or heating station. When this station is used as a de-paraffinization station, the heating function is additionally supported by a laminar air flow to warm up the slides in the slide basket quickly and evenly.

Cromatec II  
cuvette as  
de-paraffinization station



Cromatec II  
cuvette as  
heating station



### Highlights Cromatec II

- Integrated heating station
- Alternatively usable for de-paraffinization or heating
- Easy to remove heating station for easy cleaning
- Intuitively programmable heating parameters



## Standard components

**Cromatec I or Cromatec II**

**Staining cuvettes** (20 pcs.)

**Washing cuvettes** (6 pcs.)

**Heating station** (only Cromatec II)

**Basket carrier** (6 pcs.)

**Slide baskets** (6 pcs.)

**Transport container** with lifter

**Xylene container insert**  
with cover for unloading station

**Supply and drain hose**

**Mains cable**

**Manual**

## Specifications

**Cromatec I Cromatec II**

<b>Number of stations</b>	20
<b>Capacity of slide baskets</b>	30 slides
<b>Loading capacity</b>	20 slide baskets
<b>Throughput slides</b>	up to 1,800 pcs./hrs.
<b>Volume staining / washing cuvette</b>	400 ml
<b>Number of washing cuvettes</b>	up to 6
<b>Loading / unloading stations</b>	5 slide baskets each 20 programmes, with up to 20 steps each
<b>Programmes</b>	
<b>Incubation period</b>	5 sec. up to 1 hrs. up to 200 m <sup>3</sup> /hrs., nominal diameter for rear connection to central extraction system Ø 100 mm
<b>Exhaust / exhaust air volume</b>	
<b>UPS back-up time</b>	up to 4 hrs.
<b>Selectable temperature range</b>	- 30 °C up to 70 °C
<b>Process time</b>	- 0 sec. up to 59 min., 59 sec.
<b>Electrical parameters</b>	100 - 240 V, 50/60 Hz
<b>Dimensions (W x D x H)</b>	1,560 x 640 x 620 mm
<b>Weight</b>	110 kg 115 kg

## Optional accessories

**Item No.**

**Adapter clip** for SAKURA basket  
(20 slides) 41000900

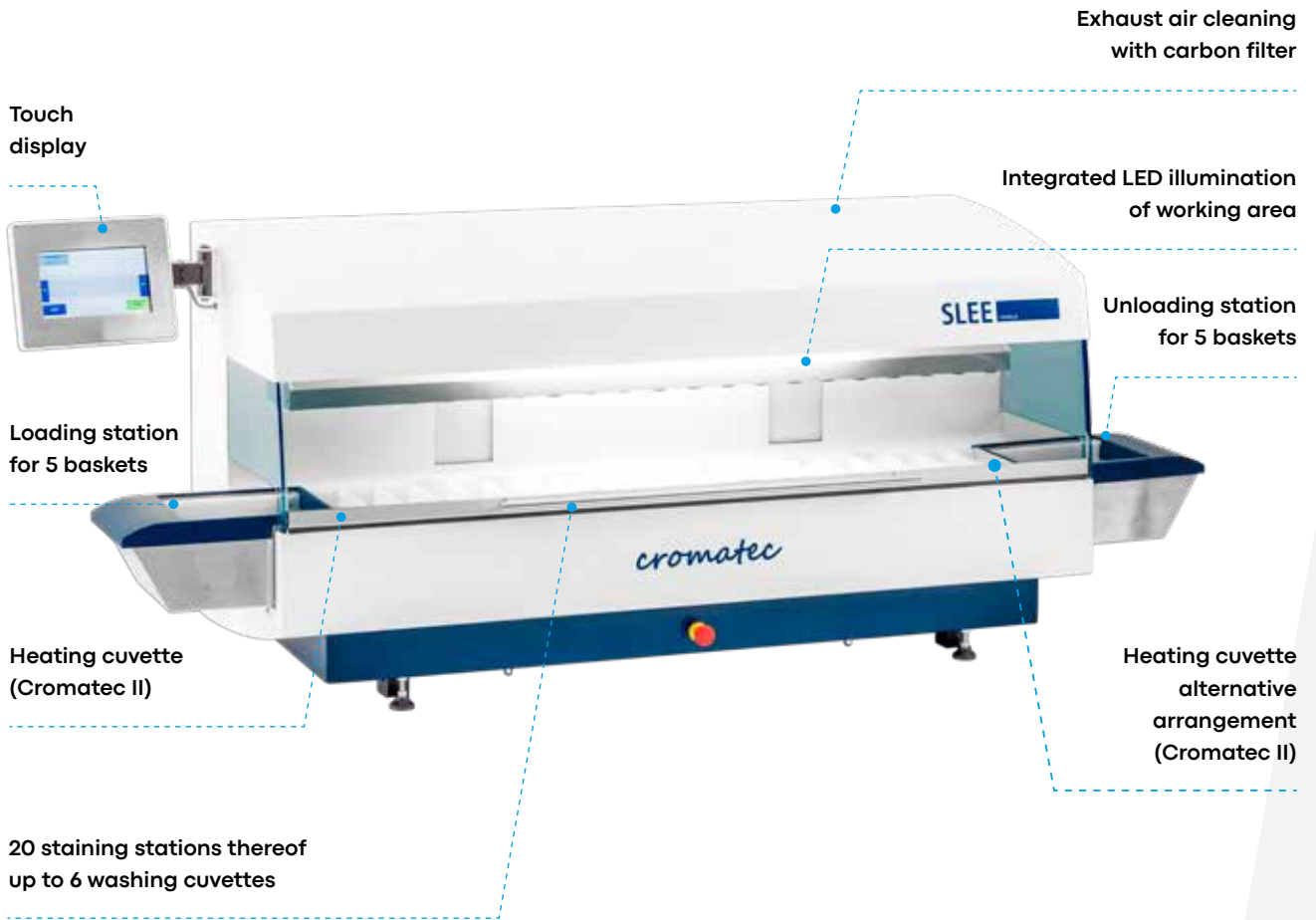
Further adapters on request

### Cromatec I and Cromatec II

The devices can be adapted accordingly to the use of slide baskets from other manufacturers. Please contact us if required.

# Easy operation

Everything under control at all times. Super easy and absolutely reliable.



## Under control



7" touch display for real-time process monitoring as well as fast and direct interaction with the device. Designed for easy and effective parameter settings, multilingual.

## Process monitoring



All steps and their individual run time are clearly visible and under control; at any time. Start and end times are clearly visible to control the workflow. Real-time monitoring via app on smart device possible.

## Reagent Management System



The Reagent Management System helps the user to schedule the exact timing of changing the reagents. This ensures reproducible, high-quality staining run by run.

## Customized protocols



Up to 20 user-defined logs can be saved under individual names. The Cromatec stainer enables the user to define the process time for each single step.

## Loading station



Continuous loading using the loading station. Baskets are automatically taken out of the loading station when the Cromatec is ready to process the next staining step.

## Easy unloading



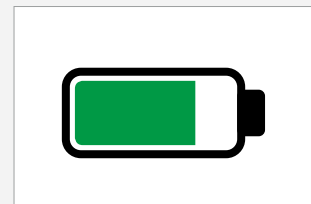
Easy unloading of 3 slide baskets using the special lifter. The removed baskets can be temporarily stored in the transport container which is also included in the standard equipment of the device.

## Cuvette arrangement



Filling of the reagents or cleaning of the cuvettes by simple removal. Washing cuvettes can be freely positioned or used as additional staining cuvettes.

## Safety



In case of a power failure the Cromatec processes the staining up to 4 hours due to the integrated uninterruptible power supply (UPS) and finishes the protocols safely. The power failure is shown on the display and in the app.

# Slee Device Manager App

for Cromatec I / II

Interruptions in the staining process lead to bad results and consequently to high manual reworking efforts and sometimes even to a loss of the specimen. Bluetooth offers an easy possibility to connect tablets and smartphones with the Cromatec. The current status of the staining process in real-time can

be monitored at any time with the Slee Device View App. In case of any interruption (e.g. power failure) or an unauthorized interference (e.g. opening the hood) an information or warning message is provided by the app. The app enables the user to monitor and display several Cromatec stainers simultaneously.



***Slee***  
***Device***  
***View App.***  
***Management***  
***at its best.***

# MAS

## Multi protocol stainer

The tissue stainer **MAS** combines flexibility with speed and opens new dimensions in the field of automation. Due to the large number of 44 stations it is possible to work simultaneously with different staining protocols. The device can process up to 12 baskets containing 30 slides each. Programming and process control is executed via colored LCD display.

The Reagent Management System (RMS) ensures high sample quality and helps to reduce consumption and costs. User safety and comfort are ensured by a highly efficient integrated exhaust system including carbon filter.

### Highlights

- 4 x loading stations
- 4 x unloading stations
- 6 x washing cuvettes with controlled fresh water inlet
- 30 x staining stations with agitation
- 2 drying stations  
(optional, in combination with 4 water baths)
- Carbon filter or tubing for exhaust system
- Universal power input 230 V, 50/60 Hz

**Item No.**

**MAS 230 V, 50/60 Hz** 14000500

**MAS 230 V, 50/60 Hz**  
with drying stations 14000502

**MAS 230 V, 50/60 Hz**  
with conveyer to coverslipper MCS I 14000600

**MAS 230 V, 50/60 Hz**  
with conveyer to coverslipper MCS I  
and drying stations 14000504

**MAS 115 V, 60 Hz** on demand





MAS interior with cuvettes

<b>Standard components</b>	<b>MAS</b>	<b>MAS with drying stations</b>	<b>MAS with conveyer to coverslipper MCS I</b>	<b>MAS with conveyer to coverslipper MCS I and drying stations</b>
<b>Loading stations</b> (4 pcs.)	✓	✓	✓	✓
<b>Unloading stations</b> (4 pcs.)	✓	✓	✓	✓
<b>Staining cuvettes</b> (30 pcs. à 360 ml)	✓	✓	✓	✓
<b>Washing cuvettes</b> (6 pcs.)	✓		✓	
<b>Washing cuvettes</b> (4 pcs.)		✓		✓
<b>Drying stations</b> (2 pcs.)		✓		✓
<b>Slide baskets</b> (4 pcs. up to 30 slides each)	✓	✓	✓	✓
<b>Carbon filter</b>	✓	✓	✓	✓
<b>Conveyer system to coverslipper MCS I</b>			✓	✓
<b>Mains cable</b>	✓	✓	✓	✓
<b>Manual</b>	✓	✓	✓	✓





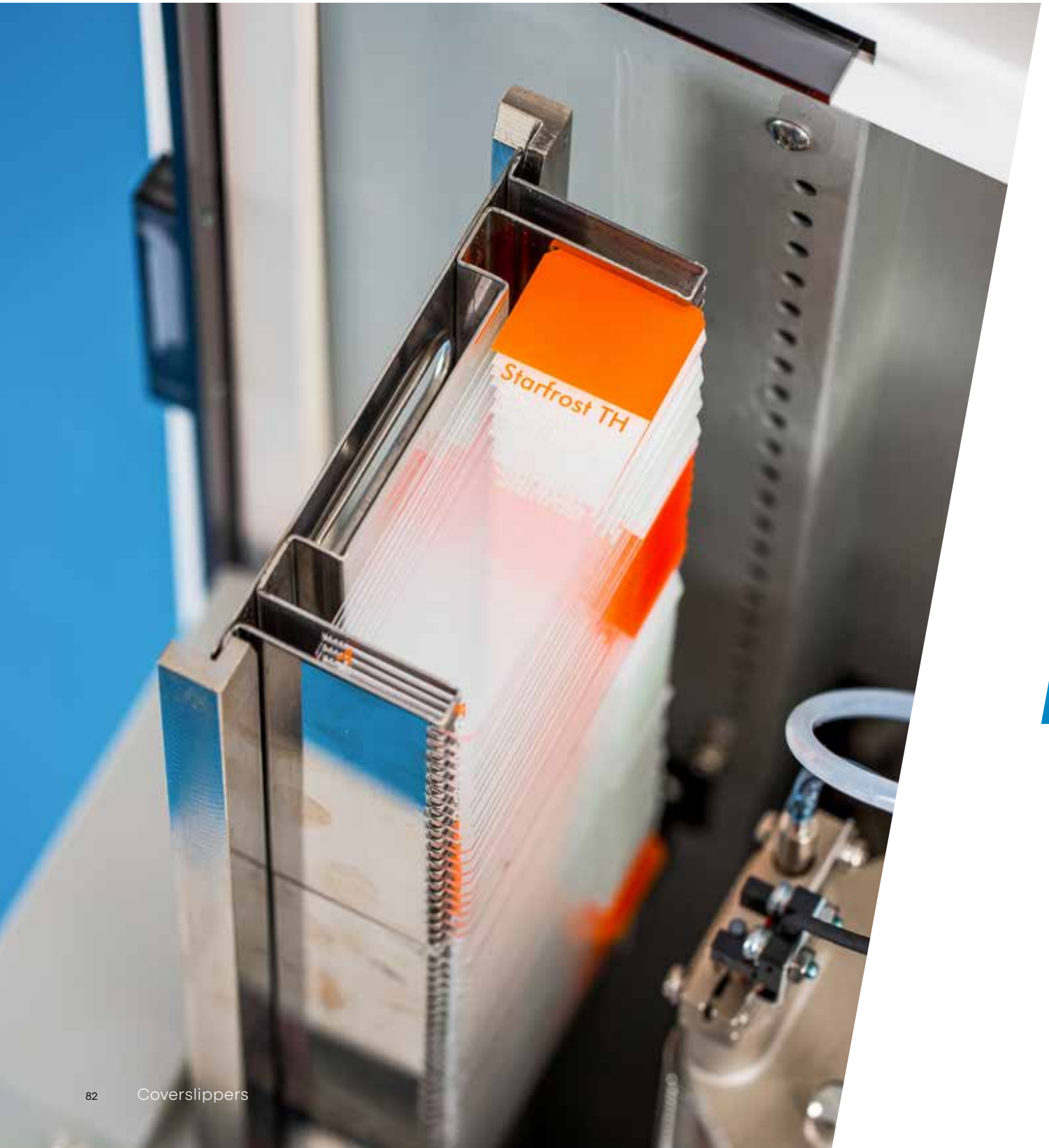
## Specifications

<b>Max. number of program steps</b>	40
<b>Incubation time for each station</b>	1 sec. up to 59 min.
<b>Drip collection</b>	adjustable drain time from 0 to 9 sec. patented drip collection technology
<b>Stations, total</b>	44 4 loading stations 4 unloading stations 30 incubation stations with agitation
<b>Including</b>	6 washing stations for running water
<b>Optional</b>	2 drying stations (temperature adjustable from 40 °C up to 90 °C) with 4 washing stations
<b>Electrical parameters</b>	230 V, 50/60 Hz
<b>Dimensions (W x D x H)</b>	1,210 x 670 x 640 mm
<b>Weight w/o accessories</b>	115 kg

# Coverslippers

*Highly reliable systems for a smooth workflow in the laboratory. The Slee coverslippers operate to the highest quality standards.*

*Make your workflows more effective!*





## **MCS I**

Coverslipper (to be combined with MAS multi protocol stainer)

## **MCS II**

Coverslipper

# MCS I

## Coverslipper (to be combined with MAS multi protocol stainer)

Very efficient coverslipper in modular design. The combination uses a minimum of space and is a reliable device for the automation of your laboratory – also in times of small budgets.

The coverslipper **MCS I** can be directly connected to the stainer **MAS**. Simplify workflows: staining and coverslipping in one step!



### Highlights

- MCS I can be directly connected to the stainer MAS
- Modular design
- Simplified step of manual handover of the sample holders to full automation
- Space saving combination
- Affordable price

## Item No.

MCS I 230 V, 50/60 Hz

14000000

MCS I 115 V, 60 Hz

on demand



MAS multi  
protocol stainer  
(not included)



## Standard components

### Slide baskets

(8 pcs. up to 30 slides each)

Cover glass holder (50 and 60 mm, 2 pcs.)

Carbon filter (2 pcs.)

Mains cable

Manual

## Specifications

### Processing speed

up to 500 slides / hrs.

### Dispensing volume

30 - 150  $\mu$ l

### Dimensions (W x D x H)

630 x 670 x 640 mm

### Weight w/o accessories

65 kg

# MCS II

## Coverslipper (stand-alone)

The innovative coverslipping technology enables an increased throughput and high reproducibility. The **MCS II** coverslipper is equipped with highest quality standards, coverslipping is processed separately for each single glass. Fast and without bubbles. This method guarantees a reliable throughput.

The **MCS II** coverslipper is designed as an open and stand-alone system.



### Highlights

- High throughput of up to 360 slides per hour
- Regulated by a 7-step speed control
- Applicable to micro slide racks of different automated staining systems
- Easy integration into the workflow of a routine laboratory

**Item No.****MCS II 100 - 240 V, 50/60 Hz**

14000100

## Standard components

**Slide baskets**

(8 pcs. up to 30 slides each)

**Cover glass holder** (50 and 60 mm, 2 pcs.)**Carbon filter** (2 pcs.)**Mains cable****Manual**

## Specifications

**Processing speed** up to 360 slides / hrs.**Dispensing volume** 40 - 200 µl**Electrical parameters** 100 - 240 V, 50/60 Hz**Dimensions** (W x D x H) 500 x 540 x 640 mm**Weight** w/o accessories 59 kg

# Centrifuges

*Slee offers two different centrifuge models for diverse requirements and applications in laboratory routine. Slee centrifuges allow you to use the respective model flexibly, customize it and increase the efficiency of your laboratory.*







## **CS I**

Cytocentrifuge

## **CS II**

Cytocentrifuge with 10 memory programmes,  
equipped with cooling depending on model

# CS I / CS II

## Cytocentrifuges

**CS I** and **CS II** centrifuges are a cost-effective alternative for monolayer cell preparation, providing consistent performance and user friendliness. The systems are equipped with an open or closed rotor for up to 12 loading positions which can be easily removed for external loading.

Single or double sample chambers are available as disposable or reusable after proper cleaning. For a flexible use of the system a variety of sediment rotors are available on request. The **CS II** centrifuge is depending on the model equipped with cooling. Up to 10 memory programmes can be saved.

### Highlights

#### **Flexible selection and handling of rotors**

- Cytocentrifugation open or closed (12 loading positions)
- Easily removable rotor for outside loading
- Large variety of rotors available (sediment, cytocentrifuge)
- CS II with optional cooling and up to 10 memory programmes

#### **Suitable consumables**

- Cytofunnel single or double (reusable or disposable)
- Large volume ECOfunnel® (reusable or disposable)
- Filter cards

#### **Easy and safe handling**

- Convenient preparation
- Slide clips applicable to reusable and disposable funnels
- Slide label readable at any time
- Indication of the RCF during centrifugation

	Item No.
<b>CS I 230 V, 50/60 Hz</b> Open rotor	15500000
<b>CS I 230 V, 50/60 Hz</b> Closed rotor	15500001
<b>CS I 115 V, 60 Hz</b>	on demand

	Item No.
<b>CS II 230 V, 50/60 Hz</b> Open rotor	15500100
<b>CS II 230 V, 50/60 Hz</b> Closed rotor	15500101
<b>CS II 230 V, 50/60 Hz</b> Open rotor, with cooling	15501100
<b>CS II 230 V, 50/60 Hz</b> Closed rotor, with cooling	15501101
<b>CS II 115 V, 60 Hz</b>	on demand





CS rotor with 12 loading positions

Standard components	CS I Open rotor	CS I Closed rotor	CS II Open rotor	CS II Closed rotor
<b>Cellclip rotor,</b> open (12 positions)	✓		✓	
<b>Cellclip rotor,</b> closed (12 positions)		✓		✓
<b>Cellclip</b> (stainless steel, 12 pcs.)	✓	✓	✓	✓
<b>Cytofunnel,</b> reusable (12 pcs.)	✓		✓	
<b>Filter cards for cytofunnel,</b> reusable Item No. 39910001 standard (200 pcs.)	✓	✓	✓	✓
<b>Cellslides</b> Item No. 39910003 (100 pcs.)	✓	✓	✓	✓
<b>Mains cable</b>	✓	✓	✓	✓
<b>Manual</b>	✓	✓	✓	✓

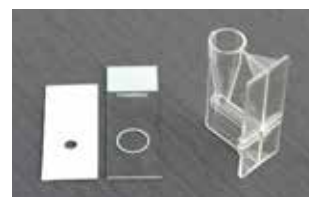


Specifications	CS I	CS II
<b>Application</b>	cytology	cytology, laboratory
<b>Cooling / temperature</b>	-	down to -20 °C (optional)
<b>Cytofunnel capacity</b>	single 0.5 ml / chamber double 0.5 ml / chamber ECOfunnel® 5 ml / chamber	single 0.5 ml / chamber double 0.5 ml / chamber ECOfunnel® 5 ml / chamber
<b>Memory programmes</b>	-	up to 10
<b>Rotor capacity</b>	up to 12	up to 12
<b>Applicable rotors</b>	cellclip rotor (cytocentrifugation) swing-out rotor (different sizes) fixed angle rotor (different sizes)	cellclip rotor (cytocentrifugation) swing-out rotor (different sizes) fixed angle rotor (different sizes)
<b>Centrifuge operation</b>	up to 6,000 rpm depending on the selected rotor), timer 0 - 99 min.	up to 15,000 rpm depending on the selected rotor), timer 0 - 99 min.
<b>Safety</b>	automatic rotor recognition, lid locking and holding	automatic rotor recognition, lid locking and holding
<b>Electrical parameters</b>	230 V, 50/60 Hz	230 V, 50/60 Hz
<b>Dimensions (W x D x H)</b>	370 x 430 x 260 mm	400 x 700 x 350 mm
<b>Weight</b>	25 kg	29 kg

# Reusable preparation systems

## Cytofunnel single, reusable

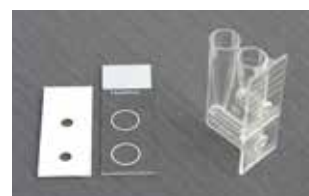
	Quantity	Item No.
<b>Cellclip</b>	1 pcs.	39910031
<b>Cytofunnel single</b>	12 pcs.	39910000
<b>Filter cards</b> (only for cytofunnel single 39910000) up to 0.5 ml	200 pcs.	39910001
<b>Filter cards</b> (only for cytofunnel single 39910000) thin, up to 0.4 ml	200 pcs.	39910006
<b>Cellslides single</b> , uncoated	100 pcs.	39910002
<b>Cellslides single</b> , coated	100 pcs.	39910003



Cytofunnel single, reusable

## Cytofunnel double, reusable

	Quantity	Item No.
<b>Cellclip</b>	1 pcs.	39910031
<b>Cytofunnel double</b>	12 pcs.	39910010
<b>Filter cards</b> for cytofunnel double up to 2 x 0.5 ml	500 pcs.	39910011
<b>Cellslides double</b> , uncoated (only for cytofunnel double, reusable 39910010)	100 pcs.	39910012



Cytofunnel double, reusable

## Cytofunnel ECOfunnel®, reusable

	Quantity	Item No.
<b>Cellclip</b>	1 pcs.	39910031
<b>Cytofunnel ECOfunnel®</b>	12 pcs.	39910020
<b>ECOseal</b> seal for ECOfunnel®	100 pcs.	39910021
<b>ECOslides</b> , coated	100 pcs.	39910022



Cytofunnel ECOfunnel®, reusable

## Accessories and consumables for third party products

All components of the CS centrifuge series like funnels, filter cards and slides are compatible to the Thermo Fisher / Shandon Cytospin series. To use CS centrifuge consumables in these third-party products, simply replace the original clip with the CS series cellclip Item No. 39910030.

# Rotors

## Rotor (closed)

CS centrifuge, removable, 12 positions

Item No.

39910100



## Rotor (open)

CS centrifuge, removable, 12 positions

Item No.

39910050



## EASY rotor (closed)

12 positions, without stainless steel clips,  
for EASY / double cytofunnel

Item No.

15500600



## EASY rotor (open)

12 positions, without stainless steel clips,  
for EASY / double cytofunnel

Item No.

15500601



## Swing-out rotor 8-point

for 15 ml

Item No.

39910042



## Swing-out rotor 6-point

for 50 ml

Item No.

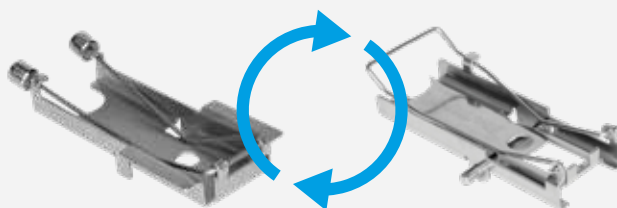
39910043

Adapter for 15 ml (only for 39910043)

39910044



The **cellclip of the CS series** can be easily exchanged for a third-party cellclip!



Cellclip of the CS series

Third-party cellclip

# Disposable preparation systems

EASY cytology funnel can only be used in Thermo Cytospin or with the EASY rotor of the **CS** centrifuge!

## EASY cytofunnel single, disposable

**With white filter card** up to 0.5 ml

**Quantity** **Item No.**

40 pcs. 39910090

**With brown filter card** up to 0.5 ml

on demand



EASY cytofunnel single

## EASY cytofunnel double, disposable

**With white filter card** up to 2 x 0.5 ml

**Quantity** **Item No.**

40 pcs. 39910091

**With brown filter card** up to 2 x 0.5 ml

on demand



EASY cytofunnel double

## Cytofunnel single, disposable

**Cellclip**

**Quantity** **Item No.**

1 pcs. 39910031

**Cytofunnel single** up to 0.5 ml

100 pcs. 39910004

**Cytofunnel single** up to 0.5 ml

500 pcs. 39910005

**Cellslides single**, uncoated

100 pcs. 39910002

**Cellslides single**, coated

100 pcs. 39910003



Cytofunnel single, disposable



<b>Cytofunnel double, disposable</b>	<b>Quantity</b>	<b>Item No.</b>
<b>Cellclip</b>	1 pcs.	39910031
<b>Cytofunnel double,</b> sample chamber with 2 shifted holes, up to 2 x 0.5 ml	100 pcs.	39910014
<b>Cytofunnel double,</b> sample chamber with 2 shifted holes, up to 2 x 0.5 ml	500 pcs.	39910015
<b>Cellslides double, uncoated</b> (only for cytofunnel double 39910015)	100 pcs.	39910016
<b>Cellslides double, coated</b> (only for cytofunnel double 39910015)		on demand



Cytofunnel double,  
disposable

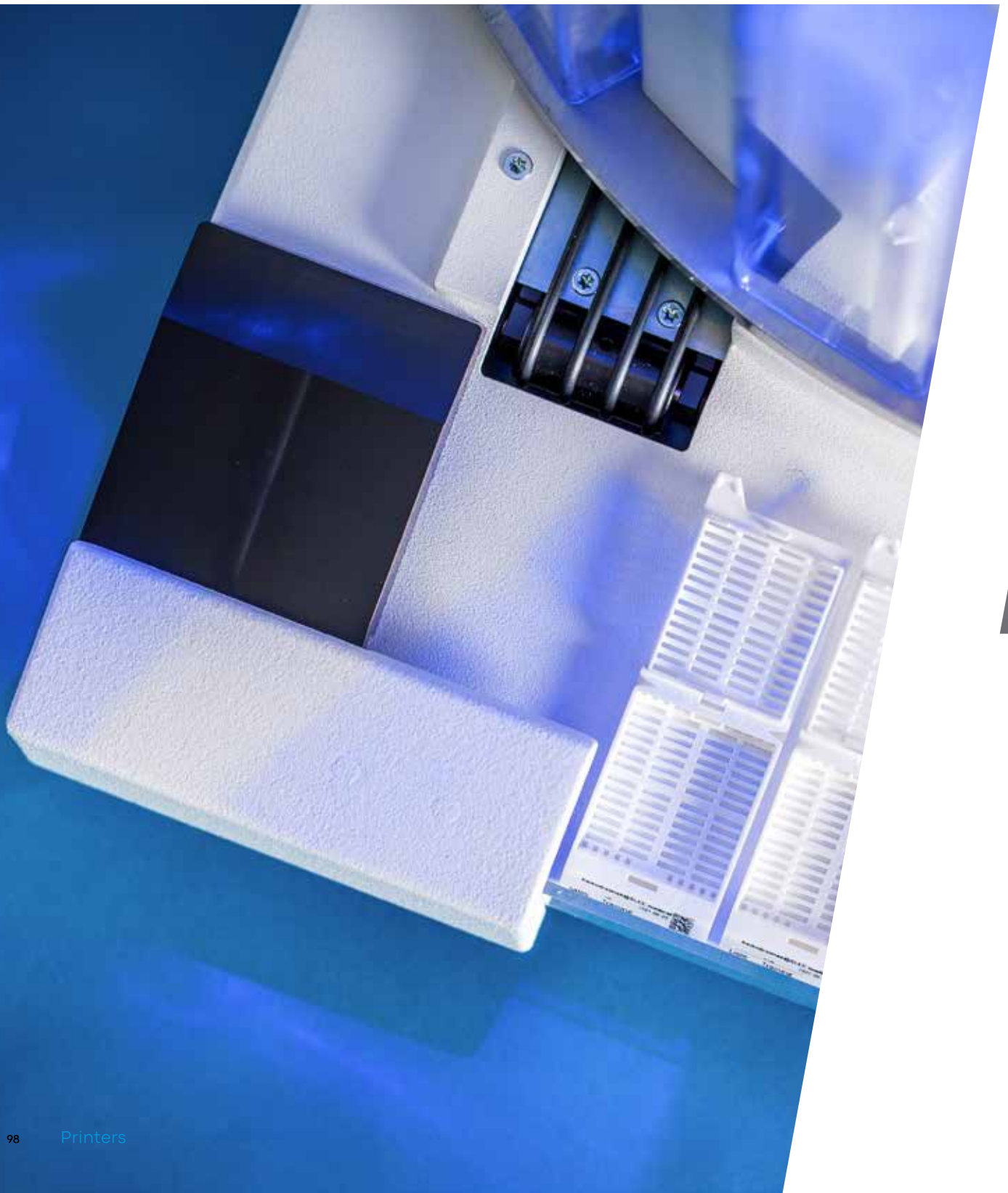
<b>ECOfunnel®, disposable</b>	<b>Quantity</b>	<b>Item No.</b>
<b>Cellclip</b>	1 pcs.	39910031
<b>ECOfunnel®, up to 5 ml</b>	100 pcs.	39910023
<b>ECOfunnel®, up to 5 ml</b>	500 pcs.	39910024
<b>ECOSlides, coated</b>	100 pcs.	39910022
<b>ECOSlides, uncoated</b>		on demand



ECOfunnel®,  
disposable

# Printers

*Slee printer solutions improve patient safety in your laboratory and help optimize daily workflow. Sources of error are eliminated, e.g. unintentional detachment of labels, smudging or illegibility of handwriting.*





## **Printtec S**

Slide printer

## **Printtec C**

Single cassette printer

## **Autoloader**

Batch printer

# Overview

## Printers, Autoloader



### Printtec S

#### Slide printer

100 slides per magazine,  
programmable ID chip, slide counter

Output tray: 15 slides

#### Printing speed

<b>black</b>	9 slides / min.
<b>monochrome</b>	5 slides / min.
<b>multicolor</b>	4 slides / min.

### Specifications

100 - 240 V, 50/60 Hz

180 x 320 x 218 mm (W x D x H)

7.6 kg



### Printtec C

#### Single cassette printer

1 cassette is inserted manually  
and removed after printing.

-

#### Printing speed cassette printing (single)

<b>black</b>	9 cassettes / min.
<b>monochrome</b>	6 cassettes / min.
<b>multicolor</b>	5 cassettes / min.

### Specifications

100 - 240 V, 50/60 Hz

222 x 244 x 244 mm (W x D x H)

7.5 kg



Printtec C  
printer for single  
cassettes is not  
included!

## Autoloader

*for batch printing\**

**Loading chutes:** 4 magazines x 40 cassettes

**Output:** 7 cassettes

**Output extension tray:** 10 cassettes,  
multiple extendable +10, +10, +10 cassettes

**Output tray:** 7 cassettes

**Printing speed** in combination with Printtec C

**black** 8 cassettes / min.

**monochrome** 5 cassettes / min.

**multicolor** 4 cassettes / min.

## Specifications

100 - 240 V, 50/60 Hz

304 x 658 x 490 mm (W x D x H)

33.6 kg

\* **Note:** Cannot be used separately, but only in combination with the single cassette printer Printtec C!

# Printtec S

## Slide printer

Slee's **Printtec S** slide printer can significantly increase the efficiency of your lab while helping to reduce the risk of misidentification of specimens. It prints directly onto slides, eliminating handwriting or expensive, difficult to apply xylene-resistant labels.

With impressive 300 dpi print resolution, you can print text, graphics and logos along with high-resolution linear and 2D bar codes on every slide you process. Printtec S is also a COLOR slide printer. This revolutionary feature lets

you purchase and keep inventory of only one slide color – plain white. With the slide printer you can print a wide range of colors and patterns for faster identification.



### Highlights

- Black or full color printing of text, graphics, barcodes and QR codes on demand
- Reduction of inventory effort for different colored slides by using only pure white slides and printing in color
- Output tray capacity: 15 slides
- Magazine capacity: 100 slides with programmable ID chip and slide counter
- Print directly onto slides
- Small footprint
- Chemical and UV resistant print to withstand common processes in laboratories - reliable identification of slides even after several years
- USB 2.0 interface for easy and direct connection to Windows 8.1 / 10 based devices like PCs and tablets

## Standard components

**Blue slide magazine** for 100 slides

**Standard ribbon** (black, 1 pcs.)

**Slides**

**USB cable**

**Printtec cleaning pen**

**Mains cable**

**Memory card** with manuals

**Quick start guide**

## Item No.

**Printtec S 100 - 240 V, 50/60 Hz**

10050001

**Printtec S with high pressure  
100 - 240 V, 50/60 Hz**

10050004

## Optional accessories

## Item No.

**Blue slide magazine** for 100 slides,  
spare magazine to optimize the  
workflow

39300002

**Colored ribbon** for Printtec S standard  
and Printtec S with high pressure, TC 1

39300008

**Colored ribbon** for Printtec S standard, TC 2

39300007

**Colored ribbon** for Printtec S standard  
and Printtec S with high pressure

39300005

**Monochrome ribbon black**

for Printtec S standard and Printtec S with  
high pressure, TC 1

39300006

**Monochrome ribbon black**

for Printtec S standard, TC 2

39300009

**Printtec cleaning pen**

39300015

**Barcode Scanner** Datalogic Medical Grade  
2D incl. stand

39300011

**Printhead**

39300001

**PTNet server**

39300014

Further accessories on request

## Specifications

### Capacity

magazine 100 slides in the magazine,  
programmable ID,  
slide counter

output tray 15 slides

### Printing speed

black 9 slides / min.

monochrome 5 slides / min.

multicolor 4 slides / min.

**Electrical parameters** 100 - 240 V, 50/60 Hz

**Dimensions** (W x D x H) 180 x 320 x 218 mm

**Weight** w/o accessories 7.6 kg

**Slide magazine**



**Slide output**



### **Easy handling**

Printtec S is designed for efficient, hands-free operation. Slides are stored in easy-to-load magazines - away from dust and other potential contaminants. It takes just a few seconds to change the magazine if you need standard slides for one study and positively-charged slides for others. The level of slides remaining in a magazine is easily viewed through the magazine's transparent blue LED backlit case.



### **Direct print**

Prints directly onto slides - eliminates illegible handwritings or labels that are hard to apply and can potentially fall off. Avoids disturbances of laboratory equipment.



### **Free software**

Free PTLab™ software - template-driven software for your individual design and data workflow and configurable data stream connection to LIS systems.



# Output extension for Printtec S, slide printer

The output extension for up to 100 slides enables the **Printtec S** to print larger quantities of slides without interruption.

Item No.

**Output extension**  
for up to 100 slides

39300003



## Highlights

- Ideal for printing larger quantities, up to 100 slides if required
- Inexpensive solution for batch processing, avoids waiting periods
- Removable slide container made of stainless steel for quantities up to 100 slides, for continuous operation
- Simple, low-maintenance design
- Easy mounting under the Printtec S

# Printtec C

## Single cassette printer

Slee's cassette printer **Printtec C** can significantly increase the efficiency of the laboratory and at the same time reduce the risk of misidentification of specimens. The cassette printer **Printtec C** prints in black, monochrome or multicolor as required! The user can print manually loaded cassettes with texts, graphics and logos along with linear and 2D bar codes directly onto the printing surface of the cassettes. This enables a more efficient workflow and additionally increases the safety for the patient.



Cassette tray

### Highlights

- Modular design
- Setting and selection of color variants to increase safety in the laboratory
- Quick and easy installation
- Capacity for one single cassette, for on-demand print
- For standard cassettes with 35° to 45° angles with either lid on or off, no adjustments needed
- High printing speed
- USB 2.0 interface for easy and direct connection to Windows 8.1 / 10 based devices like PCs and tablets

## Item No.

Printtec C 100 - 240 V, 50/60 Hz

10050002

## Standard components

### Cassettes

Standard ribbon, black, 1 pcs.

USB cable

Printtec cleaning pen

Mains cable

Memory card with manuals

Quick start guide

## Optional accessories

### Item No.

Colored ribbon for Printtec C, TC 1 39300008

Monochrome ribbon black for Printtec C, TC 1 39300006

Printtec cleaning pen 39300015

Barcode scanner Datalogic Medical Grade 2D incl. stand 39300011

Printhead 39300001

PTNet server 39300014

Further accessories on request

## Specifications

### Capacity

1 cassette

The cassette is inserted manually and removed after printing.

### Printing speed cassette printing (single)

black 9 cassettes / min.

monochrome 6 cassettes / min.

multicolor 5 cassettes / min.

Electrical parameters 100 - 240 V, 50/60 Hz

Dimensions (W x D x H) 222 x 244 x 244 mm

Weight w/o accessories 7.5 kg

### **Direct print**



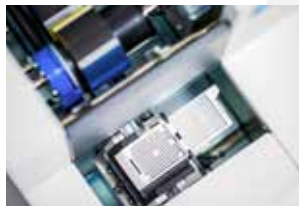
Prints directly onto cassettes - eliminates illegible handwritings or labels that are hard to apply and can potentially fall off.

### **Free software**



Free PTLab™ software - template-driven software for your individual design and data workflow and configurable data stream connection to LIS systems.

### **Easy handling**



A cassette is inserted manually and the print is started via the operating software. When the print is finished, the cassette is removed again.

### **Single cassette printer**



One cassette at a time is loaded for single cassette print. Printing speed is extremely fast at about 6 seconds per cassette.

### **Variety of colors**



The cassettes can be printed in black, single color or multicolor, depending on your needs! The possibility of color variation significantly increases the safety and efficiency of the laboratory.

### **Optional Autoloader\***



4 x 40 cassettes can be automatically loaded for a batch print. Printing speed is very fast at about 8 seconds per cassette.

\* The autoloader version is available as an expansion to the Printtec C single cassette printer.

**Slee**  
**Always**  
**focusing**  
**on patient's**  
**well-being.**

# Autoloader\* for batch printing and color variations

The expansion of the cassette printer **Printtec C** with the **Autoloader** offers even more efficiency to the workflow of the laboratory while reducing the risk of misidentification of specimens. The **Autoloader** has been specially designed for fast and efficient processing. The 4 cassette reservoirs tremendously increase the number of the possible cassette prints. The magazine with the cassettes is simply inserted into one of the 4 loading chutes.

The quantity of remaining cassettes can be easily controlled through the front of the transparent magazine, illuminated with blue LED backlight, but is additionally displayed on the LCD screen.



Printtec C printer for single cassettes is not included!

## Highlights

- 4 transparent loading chutes with a capacity of up to 40 cassettes / magazine
- Capacity of up to 160 cassettes for on-demand or batch printing
- Output capacity: 7 cassettes, expandable with 10 cassettes with each output extension tray
- Possible forwarding of the cassettes via the output tray extension to the processing station
- Prints on standard cassettes with 35° to 45° angles with either lid on or lid off, no adjustments needed
- Printing speed\*:
  - up to 8 cassettes per minute (black)
  - up to 5 cassettes per minute (monochrome)
  - up to 4 cassettes per minute (multicolor)
- USB 2.0 interface for easy and direct connection to Windows 8.1 / 10 based devices like PCs and tablets

\* Note: Cannot be used separately, but only in combination with the single cassette printer Printtec C!

## Item No.

**Autoloader 110 - 240 V, 50/60 Hz**  
for cassette printer Printtec C\*

10050003

## Standard components

**Magazine for loading chutes** incl. separator, set of 4

**6-pin-mini-DIN cable**

**Output extension tray**, 1 pcs.

**Mains cable**

**Memory card** with manuals

**Quick start guide**

## Optional accessories

### Item No.

**Magazine for loading chutes**  
incl. separator, set of 4

39300004

**Output extension tray**

10510000

**6-pin-mini-DIN cable**

39300017

Further accessories on request

## Specifications

### Capacity

Loading chutes 4 magazines x 40 cassettes

Output 7 cassettes

Output extension tray 10 cassettes, multiple extendable +10, +10, +10 cassettes

**Printing speed**  
in combination  
with Printtec C\*

black 8 cassettes / min.

monochrome 5 cassettes / min.

multicolor 4 cassettes / min.

**Electrical parameters** 110 - 240 V, 50/60 Hz

**Dimensions** (W x D x H) 305 x 658 x 490 mm

### Weight

w/o accessories 33.6 kg

\* **Note: Cannot be used separately, but only in combination with the single cassette printer Printtec C!**



Printtec C printer for single cassettes is not included!

Loading chutes with magazines

Output



### Output extension tray

The extension of the output tray is multiple expandable with +10 cassettes each. A simple plug-in extends the output area so the workflow becomes more relaxing.



### Direct print

Prints directly onto cassettes - eliminates illegible handwritings or labels that are hard to apply and can potentially fall off.



### Free software

Free PTLab™ software - template-driven software for your individual design and data workflow and configurable data stream connection to LIS systems.



### *Easy handling*



The Autoloader version in combination with the Printtec C has been specially designed for fast and efficient processing. The magazines with the cassettes are simply inserted into the loading chutes.

### *Illuminated loading chutes*



The number of remaining cassettes can be easily seen through the transparent loading chutes with blue LED backlight.

### *Single cassette printer*



The printer is also available separately without Autoloader. Load one cassette at a time. Printing speed is extremely fast at about 6 seconds per cassette.

### *Autoloader version\**



4 x 40 cassettes can be automatically loaded for a batch print. Printing speed is very fast at about 8 seconds per cassette.

\* The Autoloader version is available as an extension to the single cassette printer Printtec C.



# Ergonomic workplaces

The **Ergotec** workplaces of Slee are the perfect solution for your laboratory set-up. The high-quality ergonomic **Ergotec** working tables are manufactured according to your individual requirements.

The **Ergosit** is a true enrichment for your laboratory. It is a user-friendly, ergonomically sophisticated laboratory chair which increases workplace quality and employee satisfaction. Customize your chairs and inspire your employees!

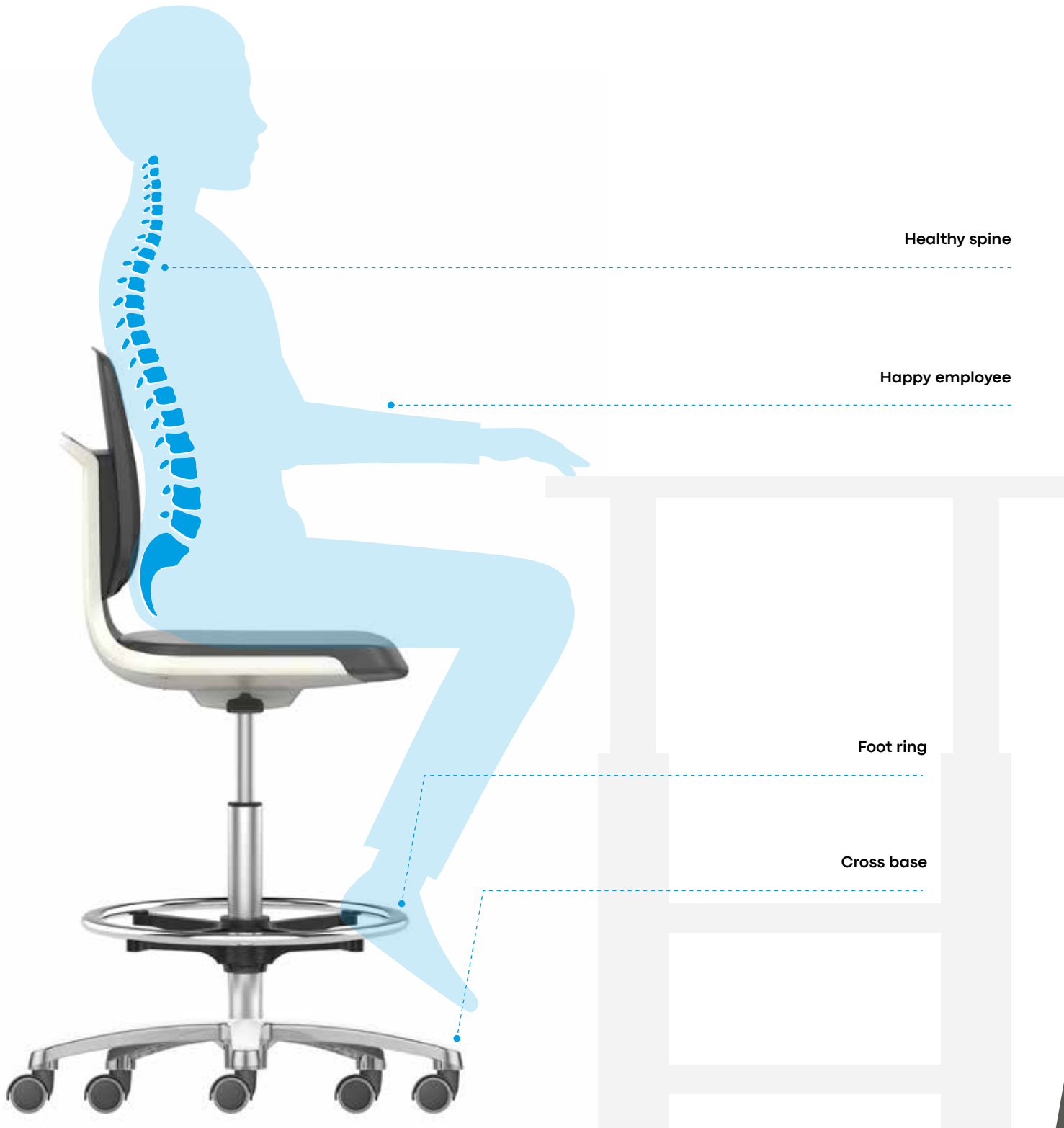
Our ergonomic workstations are suitable for many applications. The dimensions, heights and colors can be customized to the greatest possible extent. The design of the tables can be highly customized to meet customer needs and requirements.

This allows us to manufacture the ultimate workstation perfectly suited to the particular ambient requirements.

The integration of different modules in the table top, such as cooling plate and water bath, is also available. The placement of the modules takes place individually according to customer requests.

# Ergosit laboratory chair

With stop & go castors (high version) and foot ring



## Item No.

**Ergosit** high version 10157010

**Ergosit** low version 10157011

## Options\*

**Cover fabric**

**Seat color** (cf. color palette on the right)

**Seat height**

**Armrests**

\*Contact us for further information.

## Specifications

**Seat height** high version 560 up to 810 mm

**Seat height** low version 450 up to 650 mm

**Cleanroom class** 3 according to ISO 14644-1

**Cover fabric** integral foam  
(extremely robust  
and durable)

**Seat color** integral foam black 2000

**Seat support** plastic parts gray-white

**Cross base** polished aluminum

**Stop & go castors** Ergosit high version only  
(Item No. 10157010)

## Highlights

- 3D flex function in the back
- Flexible front edge of the seat
- Adjustable height
- Seat shell in various colors
- Handle on the backrest
- GMP compliant
- Contributes to increasing the quality of the workplace and employee satisfaction
- Hygienic-design (minimal joints, resistant

- to disinfectants and chemicals, anti-bacterial and anti-germ effects)
- Low weight, mobile through handle, compact design
- Ergonomic and comfortable, complicated adjustments and settings become redundant thanks to the innovative flex functions: seat front edge and backrest

# Ergotec worktable

*Ergonomic design.*

*Physiotherapists and occupational physicians increasingly attach great importance to the ergonomic design of workplaces, in particular the height adjustment of working desks. These desks help to avoid premature fatigue, joint and back pain while working. The **Ergotec** series worktables support this comprehensively.*

The design of the tables makes it very easy to switch between sitting and standing while working. Up to 4 different table heights can be saved electronically and recalled by simply pressing a button. This enables users to set their

desired working height at any time and adapt it to their current needs. Ergonomic cutouts in the table for the laboratory chairs create optimal seating and working comfort for the user.



## Highlights

- 4 different table heights, freely programmable
- Easy switching of positions, at the push of a button
- High load capacity up to 400 kg
- Variable selection of table width and depth
- Ergonomic cutout, optional
- Cooling plate, optional
- Water bath, optional

**Item No.**

**Ergotec** - standard version  
with height adjustment  
1,800 x 800 mm

10120001

More versions on demand

**Options\*****Item No.**

**Integrated water bath** 10120002

**Integrated cooling plate** 10120003

**Cable channel\*** 10120004

**Workplace with LED illumination\*** 10120005

**Undertable drawer\*** 10120006

**Ergonomic cutout** on demand

\*Contact us for further information.

**Specifications**

**Range of height adjustment** 660 up to 1,100 mm

**Programmable height levels** 4 memory settings

**Maximum load** 400 kg

**Thickness of table top** 30 mm

**Color of table top** selectable

**Maximum dimensions**  
(possible customization) 2,000 x 1,000 mm

**Cooling plate dimensions** 300 x 320 mm

**Cooling plate temperature** +15 °C down to -15 °C

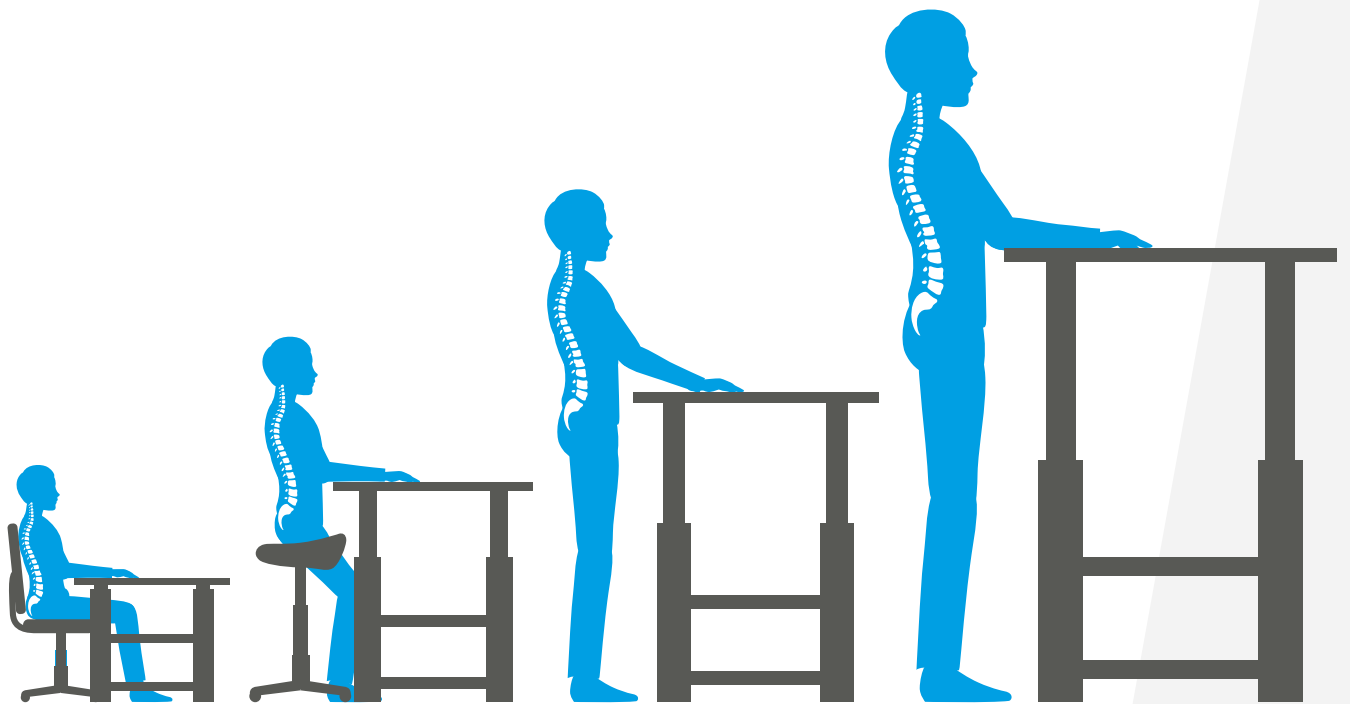
**Water bath dimensions** 260 x 214 x 60 mm

**Water bath temperature** RT up to 85 °C

***Dimensions, color and equipment  
are individually selectable!***



Ergotec worktable with illumination and Ergosit laboratory chair





### **Undertable drawer**



Optionally available. Smaller parts can be stored safely directly at the place. You have everything within reach (image may differ).

### **Cable channel**



Optionally available. Have a neat and clean desktop. All cables remain hidden. The appropriate switches, sockets and USB ports are set according to your personal requirements.

### **LED illumination**



Optionally available. For a perfectly illuminated workplace at all times. Supports fatigue-free work through optimally coordinated LUX strengths.

### **Programmable height levels**



Sitting, standing, sitting. Staying mobile while working has never been easier. The height adjustment turns a static workstation into an active one.

### **Cooling plate**



The cooling plate can be integrated directly into the tabletop at your desired location. The work surface is not displaced by an additional device. Easy to clean.

### **Water bath**



Integrate the water bath directly into the tabletop at your desired location. Keeping all structures flat improves the workflow. Easy filling and emptying.

# Consumables

*All Slee consumables are subject to the highest quality requirements. Our product range includes blades with plasma coating, blades with PTFE coating, tissue embedding paraffin, slides and coverslips as well as the CryoGlue embedding medium and other consumables.*



# High quality microtome blades

## LPS, LPH, HPS, PTFE coated

The Slee blades for microtomes feature a special plasma technology, that considerably improves the sharpness as well as the durability of the blades. In addition, further blades with innovative PTFE coating are available. All Slee microtome blades are made of surgical steel.

### Disposable blades (plasma coated)

Item No.

**Low profile plasma LPS**  
for soft specimens, 50 pcs. / box

28407005



### Disposable blades (PTFE coated)

Item No.

**Low profile** suitable for all types  
of specimens, 50 pcs. / box

28407000



### Low profile plasma LPH

for hard specimens, 50 pcs. / box

28407004



### High profile

suitable for all types  
of specimens, 50 pcs. / box

28408000



### High profile plasma HPS

for soft specimens, 50 pcs. / box

28407007



# Paratec Premium, Paratec Tissue embedding paraffin

*Paratec Premium consists of highly purified paraffin. With polymer additive for precise embedding and cutting, melting range 54 - 57 °C. SLEE paraffin is DSMO-free.*

Paratec Premium	Item No.	Paratec	Item No.
<b>Premium paraffin</b>		<b>Paraffin</b>	
1 kg	30010004	without polymer additive	
2.5 kg	30010006	melting range 54 - 56 °C	
10 kg	30010008	20 kg	30010002



# Slides / coverslips and accessory in premium quality

Perfect accessory for the Slee **Printtec S** slide printer / **MCS I & MCS II** coverslippers, **MEV / MEV +** and **MNT** cryostats.

Slides	Item No.	Coverslips	Item No.
<b>StarFrost® slides</b> 26 x 76 x 1.0 mm, ground edges 90°, clipped slide corners 45° angle, color frosted marking area about 20 mm (available in white, orange, blue, green, yellow, pink) 50 pcs. / box	on demand	<b>StarFrost® coverslips</b> 24 x 50 mm, 100 pcs. / box	30001051
		<b>StarFrost® coverslips</b> 24 x 55 mm, 100 pcs. / box	30001052
		<b>StarFrost® coverslips</b> 24 x 60 mm, 100 pcs. / box	30001053
<b>StarFrost® slides</b> 26 x 76 x 1.0 mm, adhesive, ground edges 90°, clipped slide corners 45° angle, color frosted marking area about 20 mm (available in white, orange, blue, green, yellow, pink) 50 pcs. / box	on demand	<b>Accessory for cryostats</b>	
		<b>CryoGlue embedding medium</b> (4 x 125 ml)	30001100
		<b>Cryostat low temperature oil</b> , 50 ml	30001011
		<b>Section waste cloth</b> (set with 10 pcs.)	30000015
		<b>Cork plates</b> (∅ 20 mm; 100 pcs.)	30001001
<b>StarFrost® slides</b> 26 x 76 x 1.0 mm, advanced adhesive, ground edges 90°, clipped slide corners 45° angle, color frosted marking area about 20 mm (available in white, orange, blue, green, yellow, pink) 50 pcs. / box	on demand		

## Highlights

- Slee StarFrost® slides in different styles and colors
- Slee StarFrost® coverslips in 3 different sizes, made for automatic coverslipping

# Service

We are committed to provide world-class support to our global customers at all times. We strive to advise you professionally before purchase and to support you during installation and initial setup. In addition, it goes without saying that we will always be available as a reliable partner during the longtime use of our products.

You can contact us directly with any kind of questions. In order to process your inquiries in time, please always include the following information:

- User name
- Address
- Phone number
- E-mail
- Type of device
- Serial number of device
- Date of purchase
- Detailed case description

**Service Hotline:** +49 (0) 6136 76997-0

**Service E-mail:** [service@slee.de](mailto:service@slee.de)

# Trainings

## *Service and application training*

Well-trained staff is crucial for the implementation of regular service and maintenance of high quality.

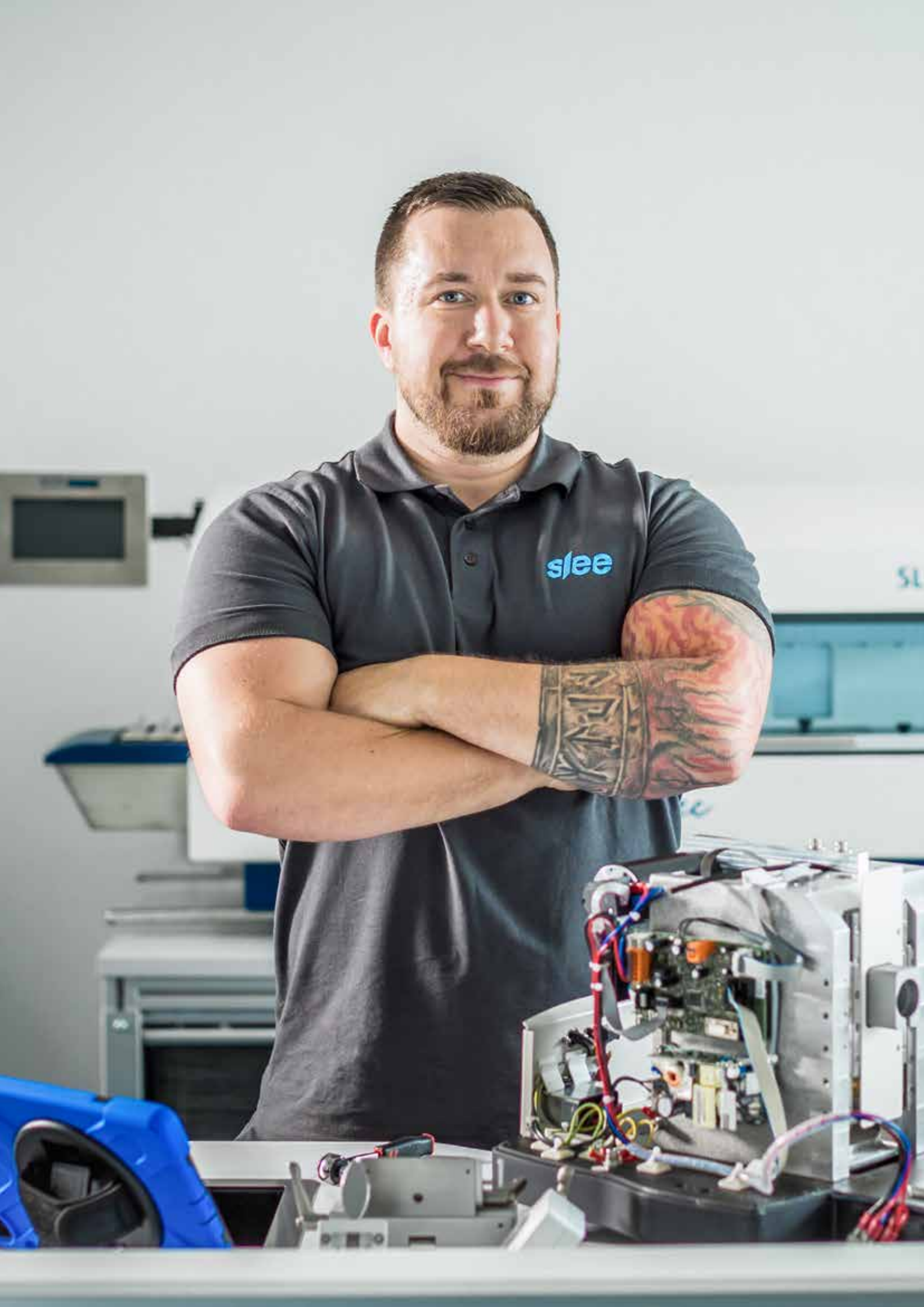
We offer regular service and application training for our worldwide distribution partners.

Visit [www.slee.de](http://www.slee.de) to access the training schedule and to download the registration form.

## **Training requests**

**Tel.:** +49 (0) 6136 76997-0

**E-mail:** [mail@slee.de](mailto:mail@slee.de)





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[www.slee.de](http://www.slee.de)



YouTube



LinkedIn



Instagram