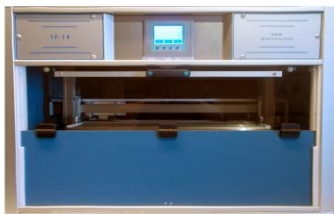


Histology Pathology Instruments



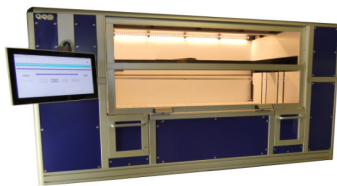
Dehydration



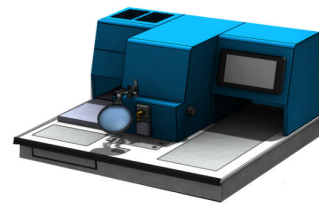
Cutting



Staining



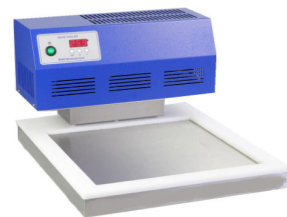
Embedding



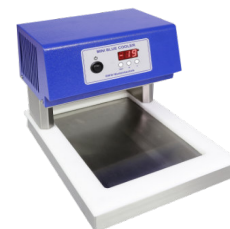
Decalcifying



Cooling

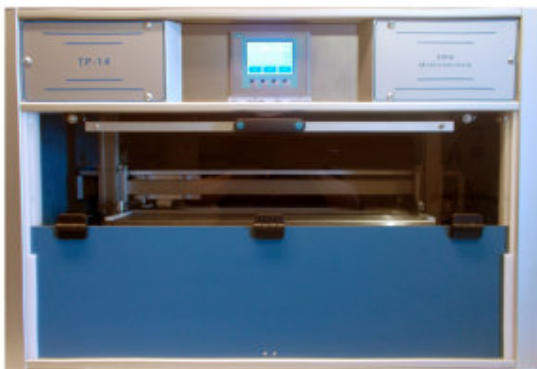


Flattening



MEPHISTO 12 Tissue Processor TP 12

MEPHISTO 16 Tissue Processor TP 14



Tissue processor with 12 or 14 stations.
Capacity: 100 or 300 cassettes.
Alternatively in the short program up to 1500 biopsies daily.

Up to 6 stations can be heated, except paraffin
also xylene and formalin are heated.

6 programs freely selectable and storable.

Agitation adjustable.

Weekend program with up to 99 hours start delay.

Emergency power supply for securing the
Tissue samples.

Connection to a laboratory exhaust air possible.

No valves, no clogged pipes, no cleaning fluids, no cleaning program,
no maintenance costs, intervention in the current program is possible at any time.

Intuitively operable programming interface.



Startscreen



Password protected



Retrievable event log



Simple solvent change.
The front of the device can be opened completely.



Battery backup

Technical specifications:
Dimensions: W 1100 x D 600 x H 769
Dimensions: W 895 x D 630 x H 769mm
Reagents Container: Stainless steel 3.5 liters
Power supply: 230V / 50Hz / 1,2KW
Weight: 66 kg / 77kg

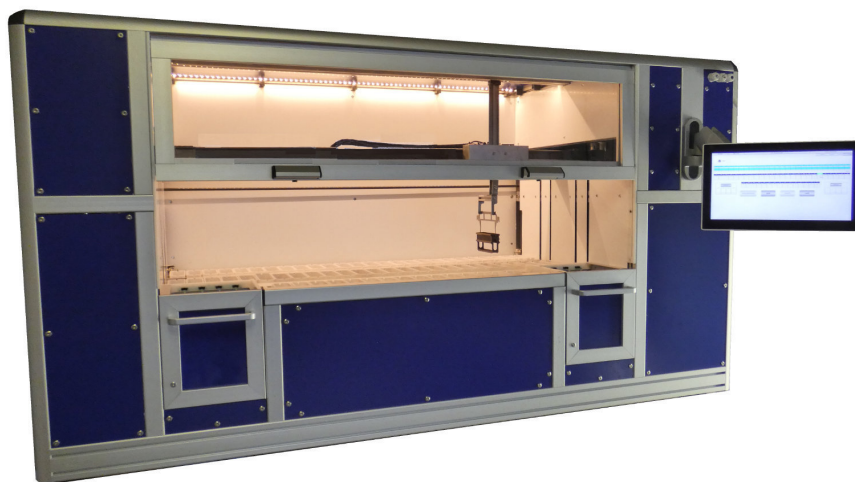
Quality Made in Germany

Staining automat LS 72

for standard and special stains.

Multifunctional Stainer with 72 cuvettes

Multiple staining with up to 40 slide baskets simultaneously possible.



Staining automat for highest demands with a maximum
Performance of 1,800 slides per hour.

Up to 20 programs freely selectable.

Loading station for 4 slide baskets.

Discharge station for 4 slide baskets.

With up to 6 flowing water cuvettes.

Agitation adjustable.

Optional built-in activated carbon filter or connection
to an existing exhaust air system.

Adaptable to almost all coverslipper.

Slide holder for 20 or 30 slides.

Technical specifications:

Dimensions: W x D x H: 200 x 75 x 120cm

Weight: 210 Kg Article No. 72000

Connected load: 230V / 50Hz / 1,2KW

Paraffin-Embedding-Station



Modular Paraffin Embedding Station

Paraffin dispenser unit with 2 heated trays for cassettes and / or moulds, controllable paraffin outlet, Lighting, magnifying glass and cooling point.

Capacity Paraffin tank 4.5 Liter.

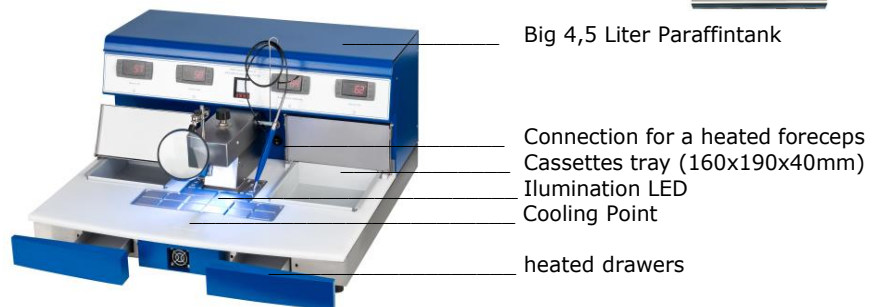
Integrated weekly timer.

Technical specifications:

Dispenser unit: B560 x T640 x H400mm, 230V / 50Hz / 1KW

Max. 70°C,

Article number: AGS20



Optional:

Cooling unit for cooling the cassettes up to max. -13 ° C.

Cooling unit: B300 X T540 x H400mm, 230V / 50Hz / 0.4KW

Max. -13 ° C.

Article number: AGS20KP



Optional:

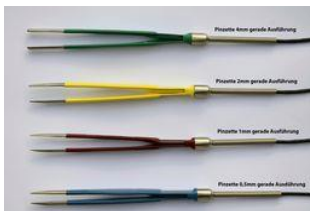
An additional heated tray for accommodating the cassettes, large enough to accommodate most traditional tissue baskets.

Heating unit: B300 X T600 x H400mm, 230V / 50Hz / 0.4KW

Max. 70°C, capacity 2.5 Liters

Article number: AGS20WP

Various heated foreceps



Cassettes Trim

Cassettes cleaning instrument



Cleans the cassettes of excess paraffin in order to enable an easy insertion into the clamp of the microtome.

Advantages:

No scratching with the knife more necessary.

No flying paraffinwaste

No scratched numbers or barcodes

Technical specifications:

Weight: 2.7Kg

Dimension: 240 x 160 x 170mm (D / W / H)

Temperature: max. 75 °C

230V 50Hz 0.1 KW

Article number: CT200

Compact paraffin Embedding Center ECC

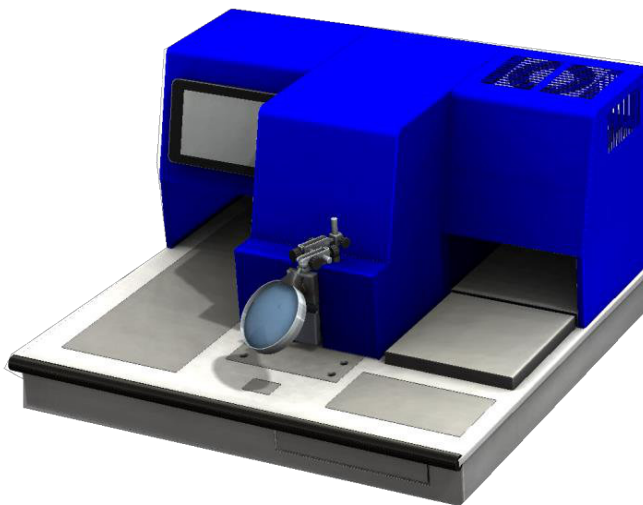
Space-saving but fully-functional embedding center.

Consisting of:

- A paraffin dispenser unit with 4.5 liters of paraffin stock.
- A heated tub for cassettes or for whole baskets of almost all manufacturers.
- A heated compartment for the pouring cups.
- A cooling plate with room for 72 cassettes
- A cooled spot.
- A heated work surface for about 20 cassettes.
- A drawer for collecting excess paraffin.

Adjustable paraffin discharge, lighting and optional magnifying glass and / or foot switch.

Touchscreen for setting and monitoring of all temperatures, as well as programming the operating times.



Technical specifications:

Dispenser unit: B630 x T550 x H400mm,
230V / 50Hz / 1KW
Max. 70°C,
4.5 liter paraffin storage tank
Article No.: RWECC

Table cooling plates



Technical specifications:
Dimensions of the device:
W / D / H: 415 x 460 x 300mm
Dimensions of the cooling surface:
W / D 345 x 344mm

Blue Cooler the energy-saving cooling plate

The largest cooling surface with the smallest footprint.

Energy consumption only 0.07 KW at -15 ° C

Digital temperature control
Super silent fan.
Temperature max.: -18 ° C.
96 paraffin blocks can be cooled simultaneously.
Frame made of stainless steel.
Cooling surface made of stainless steel.

Refrigerant: R600a
Weight 14Kg
Connected load: 230V / 50Hz / 300W
Article No. 31400



Para Cooler O Tischkühlplatte mit Kühlwanne.

Para Cooler O table cooling plate with cooling tub.
Digital temperature control
Wall and floor cooling.
Super silent fan.
Temperature max.: -35 ° C.
264 paraffin blocks can be cooled simultaneously.
Frame made of stainless steel.
Cooling tub made of stainless steel.

Technical specifications:
Dimensions of the device:
W / D / H: 415 x 600 x 320mm
Dimensions of the cooling surface:
W / D / H: 340 x 325 x 50mm
Refrigerant: R290
Weight 32Kg
Connected load: 230V / 50Hz / 300W
Article No. 30031



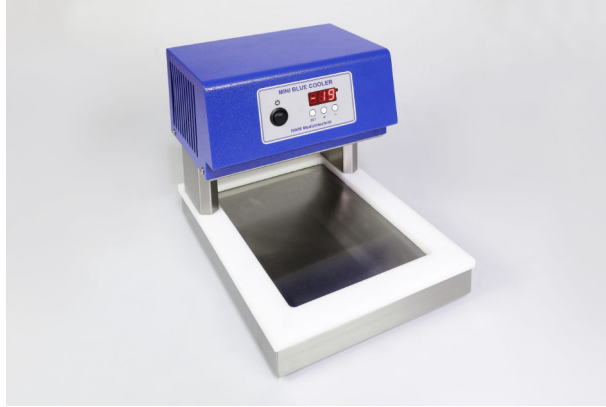
Para Cooler A flat table cooling plate.

Digital temperature control
Super silent fan.
Temperature max .: -18 ° C.
96 paraffin blocks can be cooled simultaneously.
Frame made of stainless steel.
Cooling surface made of stainless steel.

Technical specifications:
Dimensions of the device:
W / D / H: 415 x 600 x 280mm
Dimensions of the cooling surface:
B / D 345 x 344mm
Refrigerant: R600a
Weight 24Kg
Connected load: 230V / 50Hz / 300W
Article No. 31000

Quality Made in Germany

Mini Blue Cooler



Mini Blue Cooler,

possibly the smallest cold plate in the world

Digital temperature regulation

Super Silent fans.

Temperature max \therefore -18°C .

36 paraffin blocks can be cooled at the same time.

Stainless steel frame.

Cooling surface made of stainless steel.

Special space-saving cooling plates

Blue Cool Tower



Blue Cool Tower, the energy-saving cooling plate.
80 blocks can be cooled simultaneously.
Energy consumption only 0.07 KW at -15 ° C
Digital temperature control.
Super silent fan.
Temperature max.: -15 ° C.
Frame made of stainless steel.
Cooling surface made of stainless steel.

Dimensions of the device: Refrigerant: R600a
W / D / H: 350 x 300 x 510mm Weight 14Kg
Connected load: 230V / 50Hz / 300W
Article No. 31600

The tissue is cooled on all sides.



Para Cooler TW

Mobile cooling plate with cooling tub
Digital temperature controller.
Digital temperature display.
Wall and floor cooling.
Super silent fan.
Temperature max.: -35 ° C.
264 paraffin blocks can be cooled simultaneously.

Technical specifications:

Dimensions of the device: W / D / H: 485 x 610 x 670mm
Dimensions of the cooling surface: W / D / H: 340 x 325 x 50mm
Refrigerant: R290 Weight 42Kg
Connected load: 230V 50Hz 0,4KW Article No. 32002



Para Cooler TF

Mobile cooling plate
Digital temperature display.
Super silent fan.
Temperature max.: -18 ° C.
96 paraffin blocks can be cooled simultaneously.
Cooling surface made of stainless steel.

Technical specifications:

Dimensions of the device: W / D / H: 485 x 610 x 670mm
Dimensions of the cooling surface: W / D / H: 345 x 344mm
Refrigerant: R600a Weight 42Kg
Connected load: 230V 50Hz 0,4KW Article No. 32001

Table cooling plates for installation



Para Cooler E for installation in the table top
as a flat cooling plate or as a model with cooling
trough.

Tech. Data like Cooler A / Cooler O
Article No.: 30031 E
Article No.: 31000 E

Fast Fixation devices.

Fast fixation instrument Quick-Fix M



Fast fixation instrument for big tissue samples.
Fast fixation of tissue samples with a diameter of up to 20cm.
Excellent fixation in a short time. Without microwaves.
Temperature from room temperature to 60 °C free selectable.
Automatic pressure / vacuum system.
Continuous centrifugal rinsing of the tissue.
Small particulate filter.
Retort with a capacity of 15 L of formalin.
Several tissue samples can be fixed at the same time.
Special basket to hold large Tissue samples, thickness of 5mm - 10mm.



Special Basket for Breast Tissue

Technical Details: (W / L / H): 500x420x520 mm
Weight: 30 kg
Power ratings: 230 V; 50 Hz; 0.8 KW
Article No.: 40070

Fast fixation instrument Quick-Fix



Fast fixation instrument for small and medium tissue samples.
Fast fixation device with integrated tissue filter and automatic suction of the formalin vapors.
On request with downstream activated carbon filter.
The fixing time is reduced to a minimum.
Excellent for fat tissue.
Digital temperature control.
Capacity: 75 cassettes.

Technical data:
Dimensions of the device (L / W / H) 435 x 290 x 440 mm
Weight: 22 Kg
Power ratings: 230V, 50Hz, 0.3 KW

Quality Made in Germany

Fast freezing unit Cryofix -45 °C



Instrument for fast freezing of tissue samples.

Fits all conventional cryostats.

Absolute alcohol is present in the retort up to -45°C
The formation of ice crystals almost becomes completely avoided.
Immediate shock freezing reduces the freezing time to a minimum.
No danger as with liquid nitrogen.

The compact design allows installation close to your Cryostat.
Also as an alternative to the formalin fixation in sensitive Antigens.

Technical specifications:
WxDxH: 300x410x460mm
Weight: 31Kg
Power supply: 230V / 50Hz / 0.3KW
Article No. 038001

Incubator / slide dryer

Our smallest fits in every laboratory



Temperature: room temperature to + 70 °C
Temperature setting: +/- 1 degree
Built-in fan
Actual value Display on the LCD display
Stainless steel inner body
2 stainless steel shelves removable / height adjustable
Stainless steel paraffin collecting basin

Technical specifications:
Overall dimensions: 340x345x525 mm (WxDxH)
Internal dimensions: 230x275x325 mm (WxDxH)
Operating voltage: 230 V / 50Hz
Power consumption: 100 VA
Weight: 28 kg
Article 90002

Qualität Made in Germany

Rotary Microtom CUT 4060



Technical Details:

Section Thickness range: 05 - 60 μ m

Thickness increments: 0 - 60 μ m in 0,5 increments

Maximum section area: 55 x 50mm

Maximum horizontal specimen tilt: 40mm

Maximum vertical specimen tilt: 70mm

Movable knifeholder

Security handwheel lock

Included:

Knifeholder for standart knife or disposable blades.

Standart bloc holder or cassettes holder.

Weight: 32 Kg

Rotary Microtom 4060 E



Range of section thickness setting from 0,5 μ m to 60 μ m

Section thickness feed 0,5 μ m from 0,5 μ m to 2 μ m

1 μ m from 2 μ m to 10 μ m

2 μ m from 10 μ m to 20 μ m

5 μ m from 20 μ m to 60 μ m

Horizontal Specimen Advance 40 mm

Control



Vertikal Stroke 70 mm

Specimen Size Standard Maximal 55 mm x 55 mm

Dimension Length x Width x Height:

550 mm x 460 mm x 280 mm

Weight (without accessories) 45 kg

Footswitch



Manufactured according to the standards of class 4/MedGV.
The best choice for research and routine work in biological, medical or industrial areas.

Guaranteed reliability through over-extension protection and sliding-clutch anti-locking system in the coarse advance.

Highest precision of sections from paraffin or plastic blocks over the total advance range.

Qualität Made in Germany

Large scale fully automated heavy-duty sledge microtome for histology, biomedical and industrial applications.



Maximum sample size 260 x 200 x 70 mm

Also with cooling by nitrogen.

The microtomes are fully automated and feature a control panel with electronic hand wheels and a touch screen allowing settings to be applied quickly and simply. High stability is guaranteed through their solid structure, while heavy-duty rollers enable easy handling. By means of precise knife feed and sample alignment as well as a freely adjustable clearance and declination angle, they enable high-precision sectioning for any application. The construction is designed to be user friendly and low maintenance.

Fast and accurate alignment of the samples to the knife. Magnetic sample orientation 360 ° rotatable and $\pm 5^\circ$ swiveling. Individual cutting window with freely programmable front and rear start or end point. Individual cutting and return speed. Freely selectable trim values for a quick and accurate cutting.

Quality Made in Germany

Technical data and properties

Cutting thickness adjustable from 1 to 1,000 μm in 1 μm increments.

Cutting speed from 1 to 125 mm / s continuously adjustable

Vertical total stroke of the knife: 70 mm

Knife retraction: freely selectable from 100 to 2.000 μm

Knife angle freely adjustable from 0 ° to -25 °

Knife declination freely adjustable from 90 ° to 135 ° on both sides

Trim function for quick sample cutting, with freely selectable trim values.

Individual cutting window with freely programmable front and rear start and end points.

Manual operation of the knife via touchscreen or electronic handwheel.

Direct knife clamping possible without knife holder.

Sample size (including clamping device): 260 x 200 x 70 mm

Sample orientation: 360 ° rotation and $\pm 5^\circ$ inclination of the x- / y-axis.

Return speed adjustable from 1 to 125 mm / s in 1 mm / s increments.

Manual procedure of the sample by means of electronic handwheel.

Magnetic or mechanical clamping option.

Clamping device can be changed quickly and easily by adaptation.

Clamping tools in different sizes and shapes available

One separate drive each for knife and object movement

Three cutting functions: touch stroke, single stroke and continuous stroke

Intuitive operation with touch screen, electronic hand wheels and potentiometer.

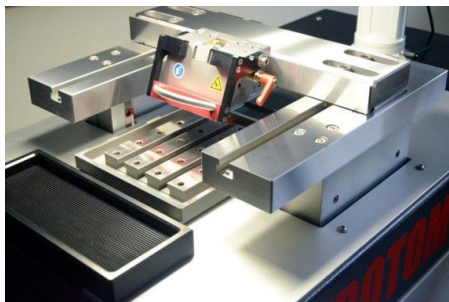
Potentiometer for stepless control of the cutting speed, also during the cutting process.

Footswitch with start and emergency stop function Automatic emergency stop in the event of a collision

Supply socket 220 V for large field magnifier / accessories Network connection for remote maintenance

Rated voltage: 400 V, 16 A. rated current: 6.3A Rated frequency: 50 Hz Connected load: 1.5 kW

A total power consumption: max. 1,500 VA VA / fuse: 16A



Formalin filling device



Filling device for small or large containers

The liquid dispenser with is the optimal solution for filling formalin in containers in any pathology lab.

Due to the multiple adjustment options the desired amount can be filled in containers, from 1ml up to 1000ml is possible.

Advantages:

- Integrated exhaust system with activated carbon filter.
- Filtering by activated carbon filter plates, no granules, thereby Reduction of fine dust pollution.
- Splash-proof dosing switch
- Electronic filling control from 1ml - 1000ml.
- Stainless steel check valve with built-in filter



On request with a filling gun.

Technical specifications:

Dimensions of the device (L / W / H) 300 x 220 x 160mm

Weight: 6,5 Kg

Power requirements: 230V, 50Hz, 0,2 KW

Article Nr. 50010

Pre-filled formalin shipping containers

Art-Nr.	description
02-1000	Formalin TWIN shipping containers made of PP, volume 20 ml, half (50%) filled with formalin 4% (by weight) phosphate buffered, Label with danger symbol and institute address imprint, LOT No., 100 pcs. In carton tray, 10 trays in shipping carton. Packaging Unit: 1000 pcs
02-1015	Formalin TWIN shipping containers made of PP, volume size 35 ml, half (50%) filled with formalin 4% (by weight) phosphate buffered, Label with danger symbol and institute address imprint, LOT no., 100 pcs in carton tray, 10 trays in shipping carton. Packaging Unit: 960 pcs
Other sizes on request.	



Quality Made in Germany

Waterbath with illumination



Round water bath with illumination
 Digital temperature display and control.
 Water bath removable.
 Only the glass pan is transported for water change.
 Cleaning of the glass pan in the dishwasher.
 Side shelf for slides.
 Water bath: Diameter 210mm height 45mm
 Outside dimensions: W310 x L355 x H170mm
 Temperature max. 60 ° C
 Power ratings: 230V / 50Hz / 200W
 Article No. WBRL



Square water bath with illumination
 Digital temperature display and control.
 Water bath removable.
 Only the glass pan is transported for water change.
 Cleaning the glass pan in the dishwasher.
 Side shelf for slides.
 Water bath: 210 x 210mm Height 55mm
 Overall dimensions: W310 x L355 x H170mm
 Temperature max. 60 ° C
 Power ratings: 230V / 50Hz / 200W
 Article No. WBQL

Determine the contrast by selecting the appropriate color.
 The lighting is dimmable and allows fatigue-free working.



Water bath heated plate combination with lighting



Square or round water bath heated plate with illumination
 Digital temperature display and control.
 Water bath removable

Technical specifications:
 Water bath: 210 x 210 x 55mm
 Overall dimensions: 470 x 295 x 94mm
 Heated plate: 270 x 180mm
 Weight: 6.7 Kg
 Capacity: 2.0 L
 Temperature max. 60 ° C
 Power ratings: 230V / 50Hz / 400W
 Article No. WBST 2000

Quality Made in Germany

Water bath with innovative rapid heating system, lighting and optional with slide dryer.



Square water bath with illumination
Digital temperature display and control.
Water bath removable.
Innovative rapid heating system
Only the glass pan is transported for water change.
Cleaning the glass pan in the dishwasher..
Side shelf for slides.
Optional with slide dryer.
Waterbath: 210 x 210mm h 55mm
Overall dimensions: W320 x L370 x H180mm
Temperature max. 60°C
Power supply: 230V/50Hz/600W
Artikel Nr. WBQHS

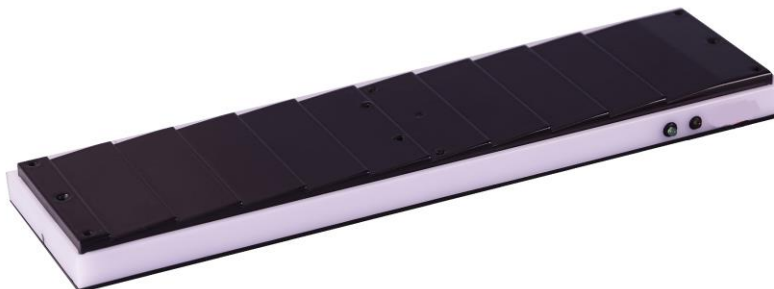
Determine the contrast by selecting the appropriate color.
The lighting is dimmable and allows fatigue-free working..

Space-saving slide dryer for 9 slides

Slides heating plate, stretching table.

Working surface only 20 mm high.

Technical specifications:
Dimensions: 260 x 65 x 20 (L x W x H)
Working surface: 230 x 65 mm.
Height of work surface: 20 mm
Temperature range: 20 ° C - 60 ° C
Power supply: 230V / 50Hz / 100W.
Article No. QHS10



Waterbath round



Round water bath with extra wide edge.
Splash-proof on / off switch.
Heating control light.

Technical specifications:
Internal dimensions: 200 x 60mm
Outside dimensions: 330 x 110mm
Weight: 2.7 kg
Capacity: 1.7L
Temperature max. 90 °C
Power ratings: 230V / 50Hz / 250W
Article No. WBR

Heated Plate



Slide drayer
Stretching bench

Digital temperature display.
Digital temperature control.
Working surface only 45mm high.

Technical specifications:
Dimensions: 550 x 180 x 45 (L x W x H)
Working area: 155 x 450 mm.
Working height: 45 mm
Temperature range: 30°C - 80°C
Power ratings: 230V / 50Hz / 300W.

Paraffin Dispenser



Capacity: 15 liters
On request with built in filter for melting
of cutting waste
Temperature of 20 °C - 70 °C continuously adjustable.
Outlet faucet heated.
PTC heater with overheat protection.
Stainless steel lid.

Technical specifications:
Capacity: max. 15L
B / T / H: 380x420x520
Weight: 14 Kg
Power ratings: 230V / 50Hz / 550W
Article No. 70010

Quality Made in Germany

Laboratory Fume Hood



Laboratory Fumehood

Table top model

Technical specifications:

External dimensions:

900 x 400 x 550mm H

Made entirely of stainless steel.

Other dimensions possible on request.

Quiet fan

Filters for solvents or formalin.

Recirculation mode

Power supply: 230V / 50Hz / 50W



autopsy saws

Cutty



length 530 mm
height 170 mm
release tape: 310x12x0,3 mm
granulation D151

Handsaws with diamond saw blade

Cut-ty Knife



length 230 mm
height 80mm
release tape: 130x6x0,3mm
granulation D151

autopsy saw



Our classic oscillating autopsy saw is available in two different versions: classic or professional with quick-change system.

Technical specifications

Voltage: 230V / 50Hz / 500W

Control: from 6,500 to 24,000 oscillations / min

Motor housing: narrow with quiet motor (52-77 dB (A))

Cut-Grinder Primus table unit

This stationary bench grinder with fixed worktable is for

Dissection of tissues, bones and composites such as metallic and / or ceramic materials has been developed.

The working method integrates the separation thin-section technique and takes into account

the specifications of leading pathologists.

For cutting, a diamond-coated, highly accurate

Separating tape used. This results in exact cuts with excellent surface quality – the prerequisite for a fast, histological

Evaluation or further processing.

Technical specifications

Voltage: 230 V / 50Hz

Belt speed: infinitely variable

Installation surface (WxD) 500 x 440 mm

External dimensions (WxD) 500 x 590 x 915mm

Cutting height max. 210 mm

Cut Grinder: the diamond pathology saw

The cut-grinder is the world's only diamond pathology saw with a cutting height of up to 330mm! This stationary abrasive cutter with

Fixed work table has been developed for the preparation of tissue, bone and composite materials such as metallic and / or ceramic materials. It takes into account the requirements as well as wishes

leading pathologist and can also apply for the application

Separation thin-section technique can be used.

For cutting, a diamond-coated, highly accurate

Separating tape used. This results in exact cuts with excellent surface quality: the prerequisite for fast, histological evaluation or further processing.

Technical specifications

Voltage: 230/400 V 50Hz

Belt speed continuously adjustable

Worktable 800x800 mm

Cutting height max. 330 mm

