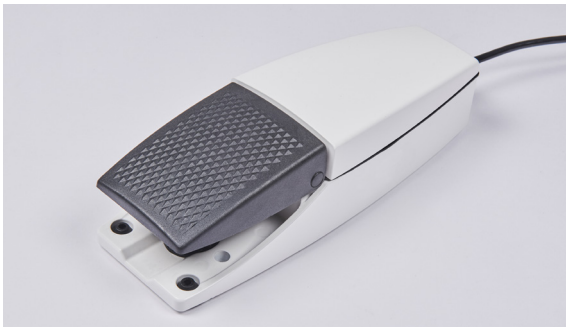


■ Made
■ in
■ Germany



The fully automatic **Microtome A550** is the premium model for use in histology and histopathology as well as in research laboratories and in industrial quality assurance. With this microtome version, both the horizontal feed and retraction and the vertical cutting stroke are motorized. This means physical relief for the user during intensive, long-term use. Alternatively, the cutting stroke can also be carried out manually using the smooth-running handwheel, if, for example, sensitive cuts are necessary for very fragile tissue samples. The handwheel can easily be locked in any position using a spring lever. The proven, high-precision microtome mechanism is developed and produced in Germany and ensures maximum sectioning quality for continuously high sample throughput.

The **Microtome A550** impresses with its high functionality and attractive design that are focused on optimal ease of use. Settings relevant to the sections are entered via the intuitively operated membrane keyboard with digital display. The background color is freely selectable.

The upper rotary push button on the left is used to switch between fine and coarse adjustment and to scroll through the menu. With the middle, larger rotary push button, the specimen clamp is simply moved back and forth. This can also be done using the keyboard. The sectioning speed can be set with the lower rotary push button and two different speeds can be selected for trimming and fine sectioning.

Up to three positions can be saved with the memory function and moved to again at the push of a button. The retraction can be selected variably, sections are counted automatically. The start and stop function of the vertical cutting stroke can alternatively be operated via the keyboard or the optional foot switch. The sectioning speed is infinitely variable.



A fine adjustment mechanism is already integrated as standard feature of the specimen clamp holder. The specimen clamp can be aligned horizontally and vertically and is characterized by its particular stability. The blade holder can be easily corrected using an angle mark. The blade clamp is adjustable via grids in order to use the blade precisely and completely. It has a manual protection device.

Section waste is collected in the large tray on the front of the Microtome A550 to keep the work area free. It can easily be removed for emptying and cleaning.

Overall, the **Microtome A550** enables high-quality sections to be efficiently produced quickly and safely thanks to the precise and automated mode of operation. Included in the delivery is a pack of sample blades, and a helpful brush with a magnet that makes it easier to safely replace the sharp microtome blades. Different versions of specimen clamps and blade holders are available separately depending on the application and customer requirements.

Technical Data Microtome A550		Cat. No.
Fine Section Thickness Setting Range:	from 0.25 µm to 2 µm in 0.25 µm steps	
	from 2 µm to 10 µm in 0.5 µm steps	
	from 10 µm to 100 µm in 1 µm steps	
Trimming Section Thickness Setting Range:	from 0 µm to 20 µm in 1 µm steps	
	from 20 µm to 100 µm in 5 µm steps	
	from 10 µm to 600 µm in 10 µm steps	
Horizontal Specimen Feed:	30 mm	
Vertical Stroke:	70 mm	
Object Clamp Fine Adjustment:	0 – 8° in X / Y axis	
Blade Holder Setting Angle:	mechanically 0 – 15°, marked 6 – 12°	
Dimensions incl. Tray (W/D/H):	377 x 530 x 281 mm	
Weight	ca. 34 kg	
Power Supply:	110 ... 240 VAC / 50 – 60 Hz	03-4100-01

Accessories	Purchasing Unit	Cat. No
Universal Cassette Clamp, for Standard Cassettes	1 pc.	24-3232-00
Object Clamp for Super Mega Cassettes	1 pc.	24-3177-01
Standard Object Clamp without Adapter Jaws	1 pc.	24-3030-02
Adapter Jaws Straight, for Object Clamp No. 24-3030-02	1 pc.	24-3414-00
Adapter Jaws V Shape, for Object Clamp No. 24-3030-02	1 pc.	24-3415-00
Cooled Object Clamp for Microtomes	1 pc.	24-3155-01
Blade Holder complete for Microtome Blades, Low Profile	1 pc.	24-3230-00
Knife Holder, Low Profile, single	1 pc.	24-3453-00
Blade Holder complete for Microtome Blades, High Profile	1 pc.	24-3457-00
Knife Holder, High Profile, single	1 pc.	24-3456-00
Combination Blade Holder Microtome, High and Low Profile	1 pc.	24-3360-00
Universal Knife Holder for High and Low Profile	1 pc.	24-3458-00
Standard Knife Holder N	1 pc.	24-3500-00
Foot Switch	1 pc.	24-3331-50
Magnetic Brush for cleaning and safe removal of Blades	1 pc.	51-0046-00
Microtome Hood for covering	1 pc.	24-3151-00
Microtome Oil	1 bottle of 100 ml	40-2100-00

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