

Technical Specifications

No	Specification	Model	Model	Model
1	Rotary Motorized Microtome	AEM 450	AEM 460	AEM 480
2	Mode	Semi automatic	Semi automatic	(Fully-automatic) Single /Continue/ Manual three modes
3	Spacious magnetized section waste tray	Yes	Yes	Yes
4	Convenient storage area on top of instrument	Yes	Yes	Yes
5	Ergo-handwheel handle	Yes	Yes	Yes
6	Disposable blade holder with integrated safety finger protection guard	Yes	Yes	Yes
7	Pressure plate	Silver	Silver	Silver
8	Handwheel lockable in any position via brake lever	Yes	Yes	Yes
9	Distortion-resistant base plate ensures optimum overall stability.	Yes	Yes	Yes
10	With Emergency Stop switch	No	No	Yes
11	Blades used for:	Low & High profile disposable blade		
12	Two types of specimen clamp	Quick-release type specimen clamp & "C" type specimen clamp		
13	Compatible embedding	Paraffin, Plastic, unspecified bone		
14	Display panel	Yes	Yes	Yes
15	Memory Function	No	Yes	Yes
16	Separate control panel	No	Yes	Yes
17	Foot pedal control	No	No	Yes
18	Section thickness	0 to 600 μm ; 0 μm -2 μm , in 0.5 μm increments; 2 μm -10 μm , in 1 μm increments; 10 μm -20 μm , in 2 μm increments; 20 μm -100 μm , in 5 μm increments; 100 μm -600 μm , in 50 μm increments		
19	Trimming thickness	0 to 600 μm 0 μm -2 μm , in 0.5 μm increments; 2 μm -10 μm , in 1 μm increments; 10 μm -20 μm , in 2 μm increments; 20 μm -100 μm , in 5 μm increments; 100 μm -600 μm , in 50 μm increments		
20	Retraction	20 μm , unadjustable	5-100 μm in 5 μm increments (could be turned off)	
21	Blades holder base repositioning (Left-Right)	50mm	50mm	50mm
22	Specimen horizontal feed	28mm	28mm	28mm
23	Vertical stroke	70mm	70mm	70mm
24	Maximum specimen size	40*50mm	40*50mm	40*50mm
25	Specimen holder orientation	$\pm 8^\circ$	$\pm 8^\circ$	$\pm 8^\circ$
26	Electric coarse feed Speed available	750 $\mu\text{m}/\text{s}$	300 $\mu\text{m}/\text{s}$ (slow) & 900 $\mu\text{m}/\text{s}$ (rapid)	300 $\mu\text{m}/\text{s}$ (slow) & 900 $\mu\text{m}/\text{s}$ (rapid)
27	Motorized cutting Speed			5 grades (1st: 100-164mm/s, 2nd: 164-228mm/s 3rd: 228-292mm/s 4th: 292-356mm/s 5th: 356-420mm/s)
28	Voltage/Frequency	100 V-240 V $\pm 10\%$, 50 ~ 60 HZ		
29	Dimensions (W x D x H)	41 x 55 x 32cm	41 x 55 x 32cm	41 x 55 x 32cm
30	Weight	About 36 KG	About 37 KG	About 39 KG



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AEM 450



AEM 460



AEM 480



Automated Microtome

BETTER HISTOLOGY SOLUTION
BETTER LIFE FROM HEALTH



AEM460 Semi-automatic Microtome

AEM460 is a semi-automated rotary microtome, robust instrument be used for cutting harder materials.

Unique user-friendly display panel and Most comfortable separate handpad for perfect and precision sectioning.



Two speed of specimen forward and backward movement for selection . Retraction can be turned On/Off and the retraction distance could be adjustable. Feed function allows fast movement to a memoried cutting position only that is designed for a large number standard cassette cutting.

AEM 450 Semi-automatic Microtome



AEM 450 is a semi-automated rotary microtome, ideal for routine sectioning and research applications in histopathology and laboratories .

Easily operation , Safety and high-precision specimen feed, Stability performance to provide high quality sectioning results.

AEM 480 Fully Motorized Rotary Microtome



AEM 480 is a fully-automated rotary microtome, designed with smooth running handwheel and stepping-motor advance technology for precision,efficiency and stability superior sectioning.

User safety, Unique user-friendly display panel and Most comfortable separate handpad , Stability to provide superior sectioning results.

It allows motorized and manual sectioning. Different speed setting with five grades meets more kinds sectioning requirement under the motorized mode. Emergency stop button quickly stops the motor drive once activated. Foot pedal is selected to further protect the machine.