SEMI-AUTOMATED MICROTOME M-240 VS AUTOMATED MICROTOME M-250

Specifications	SEMI-AUTOMATED MICROTOME M-240 Technical Data	FULLY AUTOMATED MICROTOME M-250 Technical Data
Section thickness		
Total range in (μ)	0,5 - 100	0,5 - 100
Thickness settings in (μ)	0,5 - 5 in increments of 0,5	0,5 - 5 in increments of 0,5
	5 - 20 in increments of 1	5 - 20 in increments of 1
	20 - 60 in increments of 5	20 - 60 in increments of 5
	60 - 100 in increments of 10	60 - 100 in increments of 10
Trimming Total rage in (μ) Thickness settings in (μ)	1 - 600 1 - 10 in increments of 1	1 - 600 1 - 10 in increments of 1
	10 -20 in increments of 2	10 -20 in increments of 2
	20 -50 in increments of 5	20 -50 in increments of 5
	50 - 100 in increments of 10	50 - 100 in increments of 10
	100 - 600 in increments of 50	100 - 600 in increments of 50
Specimen feed (mm)	28 ±1 mm	28 ±1 mm
Vertical stroke (mm)	72 ±1 mm for sectioning of mega-cassettes	72 ±1 mm for sectioning of mega-cassettes
Unser interface	7" capacitive touchscreen display. Available parameters/functions: section and trimming thickness, section counter, section sum, remaining travel, retraction and coarse feed, memory function, date and time.	7" capacitive touchscreen display. Available parameters/functions: section mode, section and trimming thickness, section counter, section sum, remaining travel, retraction, cutting window, coarse feed, memory function, date and time.
Operating modes	Rotational or rocking (selectable)	Manual: Rotational or rocking
	✕✕	**Motorized: Interval, Single, Continuous and Multi Strocke**
Specimen retraction Total range in (μ)	5 - 250 μ (selectable in increments of 1 μ) 5 predefined values: 20, 30, 40, 60, 80 μ Default value: 40 μ Optional function that can be deactivated	5 - 250 μ (selectable in increments of 1 μ) 5 predefined values: 20, 30, 40, 60, 80 μ Default value: 40 μ Optional function that can be deactivated
Sectioning speed	✕✕	0,5 - 450 mm/s

	SEMI-AUTOMATED MICROTOME M-240	FULLY AUTOMATED MICROTOME M-250
Specimen orienting head	✓	✓
Blade holder type	2 in 1 for high and low profile blades	2 in 1 for high and low profile blades
Motorized coarse feed (µm/sec)	300 (slow speed forward) 800 (fast speed forward) 1800 (superfast speed backwards) Additional function for forward/backwards feed in step mode	300 (slow speed forward) 800 (fast speed forward) 1800 (superfast speed backwards) Additional function for forward/backwards feed in step mode
Max. Specimen size (mm)	50x60x40 // 68x48x15 (Supercassette clamp)	50x60x40 // 68x48x15 (Supercassette clamp)
Specimen orientation	± 8º horizontal and vertical Rotational capability: 360º Indication of 0-position by means of click (x and y)	± 8º horizontal and vertical Rotational capability: 360º Indication of 0-position by means of click (x and y)
Waste tray capacity	1,7 l	1,7 l
Cutting window	✗✗	✓
Manual brake	✓	✓
Electronic brake	✗✗	✓
Emergency stop	✗✗	✓
External control panel	✗✗	**Yes (optional)**
Control button	✗✗	**Lateral control button for speed/Start-stop functions**
External control mouse	✗✗	**Yes (optional) for speed/Start-stop functions**
Classification according to IEC 61010	Protection class 1 Pollution degree 2 Overvoltage category II	Protection class 1 Pollution degree 2 Overvoltage category II
Power requirements	100-240 Volt/ 50-60Hz	100-240 Volt/ 50-60Hz
Consumption (VA)	40	**100**
Width (mm)	465	465
Depth with tray (mm)	540	540
Height (mm)	298	298
Weight (kg)	33,9	**39**