Comparison of the Did Sabz Microtomes

Feature \ Microtome Type									
			Microtome DS4055	**Microtome DS8402**	**Semi-Automatic Microtome DS9209 (Mic-B)**	**Semi-Automatic Microtome DS9209 (Mic-JS)**	**Fully Automatic Microtome DS9502**	**Fully Automatic Intelligent Microtome DS9502**	**Fully Automatic Intelligent Microtome DS9502 - WiFi Control**
Function	**Movement**		The tissue movement toward or farther the blade takes place mechanically using the macro handwheel	The tissue movement toward or farther the blade takes place mechanically using the macro handwheel	The tissue movement toward or farther the blade takes place digitally or using keys	The tissue movement toward or farther the blade takes place digitally or using keys	The tissue movement toward or farther the blade takes place digitally or automatically	The tissue movement toward or farther the blade takes place digitally or automatically	The tissue movement toward or farther the blade takes place digitally or automatically
	SEC/TRM	**Trimming**	Manual selector	Manual selector	Digital	Digital	Digital	Digital	Digital
		Sectioning	Rotation of micro handwheel by operator	Rotation of micro handwheel by operator	Rotation of micro handwheel by operator	Rotation of micro handwheel by operator	Digital	Automatic	Automatic
Quick Trimming				Mechanical auto trim mechanism	Digital trimming	Digital trimming	Digital trimming	Intelligentt trimming	Intelligent trimming
Type of blade holder			Levered Disposable Blade Holder	Levered Disposable Blade Holder	Levered Disposable Blade Holder	Levered Disposable Blade Holder	Levered Disposable Blade Holder	Levered Disposable Blade Holder	Levered Disposable Blade Holder
Foot switch							Dual Function	Dual Function	
Control Panel	**Internal**				❊	❊	❊	❊	LCD control panel with WiFi connection
	External				❊	9 Function Control Lever	❊	❊	
Emergency Stop Switch							❊	❊	❊
Clamp to Hold the Tissue Block			Traditional and Plastic Tissue Cassette Blocks	Traditional and Plastic Tissue Cassette Blocks	Traditional and Plastic Tissue Cassette Blocks	Traditional and Plastic Tissue Cassette Blocks	Traditional and Plastic Tissue Cassette Blocks	Traditional and Plastic Tissue Cassette Blocks	Traditional and Plastic Tissue Cassette Blocks
sectioning thickness			Range: 0.5 - 60 µm	Range: 1 - 60 µm	Range: 0.5 - 60 µm	Range: 0.5 - 60 µm	Range: 0.5 -200 µm	Range: 0.5 -200 µm	Range: 0.5 -200 µm
Specimen Orientation	**Vertical**		8°	8°	8°	8°	8°	Intelligent system-Auto adjust	Intelligent system-Auto adjust
	Horizontal		8°	8°	8°	8°	8°	Intelligent system-Auto adjust	Intelligent system-Auto adjust
Trimming range				Range: 25 µm , 60 µm	Range: 2 - 600 µm	Range: 2 - 600 µm	Range: 1 - 600 µm	Range: 1 - 600 µm	Range: 1 - 600 µm
Retraction			65 µm	In Manual Sectioning Mode: Approx. 50 µm (can be turned off)	1-100 µm;(in 1 µm increments) can be turned off.	1-100 µm;(in 1 µm increments) can be turned off.	1-200 µm;(in 1 µm increments) can be turned off. Independent of sectioning speed	1-200 µm;(in 1 µm increments) can be turned off. Independent of sectioning speed	1-200 µm;(in 1 µm increments) can be turned off. Independent of sectioning speed
Tissue Block Movement Range	**Vertical**		70 mm	70 mm	70 mm	70 mm	70 mm This range could be set by the operator for accelerating sectioning process	70 mm This range could be set by the operator for accelerating sectioning process	70 mm This range could be set by the operator for accelerating sectioning process
	Horizontal		40 mm	25 mm	25 mm	25 mm	18 mm faster than other microtomes	18 mm faster than other microtomes	18 mm faster than other microtomes
Sectioning Speed			Manual	Manual	Manual	Manual	0 / 3-360 mm / s ± 2% user selectable	0 / 3-360 mm / s ± 2% user selectable	0 / 3-360 mm / s ± 2% user selectable
Selectable Sectioning Speeds							20 precise sectioning speed levels	20 precise sectioning speed levels	20 precise sectioning speed levels
Cutting window setting facility							4 windows - adjustable according to customer needs	4 windows - adjustable according to customer needs	4 windows - adjustable according to customer needs
Intelligent system								Accurate automatic blade edge detection system to fit tissue blocks per micron unit	Accurate automatic blade edge detection system to fit tissue blocks per micron unit
Specialized user and device protection						❊	❊	❊❊	❊❊
Locking system	**Mechanical**		❊	❊	❊	❊	❊	❊	❊
	Electrical						❊	❊	❊
Memory					❊	❊	❊	❊	❊
sectioning capability using tissue sectioning programs							❊	❊	❊
Suggested skill level for the user			Expert	Expert	Expert	Expert	Semi-skilled	Beginner to expert level	Beginner to expert level
Exhaustion of the Operator			High exhaustion because the opertor turns the sectioning handwheel continuously	High exhaustion because the opertor turns the sectioning handwheel	High exhaustion because the opertor turns the sectioning handwheel	High exhaustion because the opertor turns the sectioning handwheel continuously	Operator feels fine!	Operator feels fine!	Operator feels fine!
PM Preventive Repair warning					Optional	Optional	Optional	Equipped with PM notification system	Equipped with PM notification system
Warranty			12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months
After Sales Service			10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years
Licenses			ISO9001-ISO13485, IMED, CE	ISO9001-ISO13485, IMED, CE	ISO9001-ISO13485, IMED, CE	ISO9001-ISO13485, IMED, CE	ISO9001-ISO13485, IMED, CE	ISO9001-ISO13485, IMED, CE	ISO9001-ISO13485, IMED, CE