

Product Comparison Leica VT1000 S and Leica VT1200 / S

Feature	Leica VT1000 S	Leica VT1200	Leica VT1200 S
Adjustable amplitude	<ul style="list-style-type: none"> • Yes • 0.2 – 1 mm in 0.2 mm steps 	<ul style="list-style-type: none"> • Yes • 0 – 3 mm in 0.05 mm steps 	<ul style="list-style-type: none"> • Yes • 0 – 3 mm in 0.05 mm steps
Adjustable Frequency	<ul style="list-style-type: none"> • Yes • 0 – 100 Hz 	<ul style="list-style-type: none"> • No • 85 +/- 5 Hz 	<ul style="list-style-type: none"> • No • 85 +/- 5 Hz
Total vertical specimen stroke	15 mm standard 20 mm special knife holder	20 mm	20 mm
Adjustable cutting window	Yes	No	Yes
Section thickness range	1 – 999µm	“manual” adjustment values between 0 and 20 000µm	Automatic feeding: up to 1000µm “manual” adjustment values between 0 and 20 000µm
Maximum specimen size	70 x 40 x 20 mm by using low profile disposable blades	30 mm diameter, 20 mm high (limited by the width of the razor blade)	30 mm diameter, 20 mm high (limited by the width of the razor blade)
Sectioning speed	0 – 2.5 mm / S slowest speed: 0,025 mm / s	0,01 mm / s – 1,5 mm / s	0,01 mm / s – 1,5 mm / s
Return stroke	5 mm / s	2,5 mm / s	Adjustable between 1 and 5 mm / s
Specimen Retraction	Yes, on / off value selectable between 0 – 999 µm	No	<ul style="list-style-type: none"> • Yes • Adjustable 0 – 100µm in 10 µm steps
Removable knife holder	Yes	(Yes)	(Yes)
Dual bath system	Yes, Ice tray and buffer tray – two sizes of buffer tray, small and large	<ul style="list-style-type: none"> • Removable ice bath • 2 buffer trays: plastic or metal • double walled buffer tray to be connected to circulation cooler 	<ul style="list-style-type: none"> • Removable ice bath • 2 buffer trays: plastic or metal • double walled buffer tray to be connected to circulation cooler
Drain in Ice bath	Yes	No, ice bath removable for cleaning	No, ice bath removable for cleaning

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Available knife holders	Standard razor blade, Sapphire, Injector blade, Knife holder S, L, H	One blade holder for: <ul style="list-style-type: none"> • whole razor blade • injector blade • sapphire blade 	One blade holder for: <ul style="list-style-type: none"> • whole razor blade • injector blade • sapphire blade
Use disposable microtome blades	Yes	No	No
Rotating specimen mount	Yes, magnetic stage	Yes – magnetic stage with 5° and 10° indication circles	Yes – magnetic stage with 5° and 10° indication circles
Stroke pause switch	Yes	No	Yes
Separately adjustable light and magnifier	Yes	Yes <ul style="list-style-type: none"> • LED light (standard) • Magnifier (optional) • Fibre light guides (optional) 	Yes <ul style="list-style-type: none"> • LED light (standard) • Magnifier (optional) • Fibre light guides (optional)
Foot switch	Optional	optional	optional
Black buffer tray	Yes	Yes	Yes
Fully automatic operation	Yes	No	Yes
Easily maintained	Yes	Yes	Yes
Insulated bath	Yes	Yes	Yes
Built in refrigeration	Optional, double walled buffer tray	Optional	Optional
Section counter	Yes	No	No
Section thickness totalizer	Yes	Yes	Yes
Full text LCD display	No	No	No
Vertical vibration	Approx. 3 µm	<ul style="list-style-type: none"> • Less than 1 µm • Can be checked by using Vibrocheck • Vertical vibration can be minimized by adjustment screws 	<ul style="list-style-type: none"> • Less than 1 µm • Can be checked by using Vibrocheck • Vertical vibration can be minimized by adjustment screws

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Memory function (menu)	No	No	Yes <ul style="list-style-type: none"> • For 8 user
Blade vibration on during approach	No	No	Yes <ul style="list-style-type: none"> • On / Off selectable in menu
Selection between automatic or semi-automatic instrument	No	No	Yes <ul style="list-style-type: none"> • selectable and individually programmable