



The Leica VT1200 S is a fully automated vibrating blade microtome for sectioning fixed or unfixed specimens from Neuropathology and Neurophysiology (Patch-clamping).

This robust instrument features the optional measurement device Vibrocheck and a new blade holder with adjustment screw to minimize the vertical deflection of the cutting tool below 1  $\mu\text{m}$  to achieve sections of the highest quality that retain viable cells on the section surface/s.

This fully automated instrument is recommended for multi user laboratories where users who prefer semi-automated vibrating blade microtomes, and users who prefer fully automated instruments can work together.

### **Features:**

- o Vertical deflection of cutting tool can be measured with an optional measurement device "Vibrocheck" and minimized below 1  $\mu\text{m}$
- o Blade holder that can be rotated through 90° to permit safe insertion of a whole, unbroken razor blade
- o Optimized blade holder designed for minimum buffer spillage
- o Instrument can be used in both semi- or fully-automated sectioning modes depending on the user's requirements
- o Automatic specimen feeding and retraction
- o Memory for 8 individual parameter settings
- o Motorized lateral blade holder with vibration (amplitude) adjustable between 0 - 3 mm in 0.05 mm steps
- o Fixed frequency (85 Hz  $\pm$  5 Hz)
- o Motorized blade holder sectioning speed adjustable between 0.01 to 1.5 mm/sec
- o Selection of buffer trays – metal, plastics (autoclavable) and double walled

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