



Leica VT1000 A

Superior fresh and fixed tissue sectioning

The VT1000 A vibrating blade microtome is a fully automatic sectioning system that is part of the world-renowned Vibratome™ series of instruments. The Leica VT1000 A, formerly known as Vibratome™ 1500, is trusted for its reliability and ease of use. The intuitive design and simple controls are ideal for a wide range of applications.

- Precise adjustments allow for evenly cut fresh/fixed tissue at a thickness of 35 µm or more
- Operators control both the section thickness and number of sections with an easy to read LED display and three separate operating modes; automatic, single sectioning and manual
- Adjustable operating parameters minimize deformation of delicate soft tissue and provide more uniform sections

Living up to Life

Leica

MICROSYSTEMS

Quick, Simple, Precise

The Leica VT1000 A employs an accurate vibrating blade principle that allows sectioning without freezing or embedding, so the biological viability of the tissue can be maintained. Sectioning in this manner prevents creation of artifacts, alteration of morphology, destruction of enzyme activities and other deleterious effects. Sections are also free of observable compressive distortion in the direction of the cut. With minimized deformation of delicate soft tissue, the result is more uniform sections.

The Leica VT1000 A provides a versatile means of sectioning fresh or fixed tissue. The precision controls on the VT1000 A make sectioning easy, convenient and easily adaptable to suit many applications. For ultimate sectioning control, the instrument offers three separate operating modes – automatic, single sectioning and manual. Operating modes are displayed on an easy to read LED panel. Set up for each section is a simple process, allowing any user operate with ease. Its precise adjustments evenly cut fresh/ fixed tissue of 35 µm or more.

To optimize sectioning time and quality of the tissue, the Leica VT1000 A is equipped with an adjustable cutting window. Additionally, the instrument provides a total vertical feed of 15 mm, which allows larger specimens to be sectioned and more sections to be attained. With a section speed of 0 to 2 mm per second and a rapid return stroke of at least 5 mm per second, the Leica VT1000 A provides fast, efficient sectioning.

Leica VT1000 A Technical Specifications

Amplitude.....	from 0–3 mm (+/- 1.5 mm)
Cutting speed (+/- 10%).....	0–2 mm/second
Return speed (+/- 10%).....	5–7 mm/second
Total vertical specimen stroke.....	15 mm
Maximum specimen size.....	33 x40 mm(LxW)
Specimen orientation, rotating.....	360 degrees (full rotation with specimen tray)
Specimen plate, swiveling.....	0–15 degrees (range of specimen vice assembly)
Section thickness adjustment.....	Manual, 5 µm increments, Automated, 1 µm increments
Rated voltage range.....	100V or 220V (specified at time of order)
Rated frequency.....	50/60Hz
Size LxWxH (basic instrument).....	53.34 x 30.48 x 30.48 cm
Weight (basic instrument).....	22.68 kg

The Starter Package Includes:

- VT1000 A
- Specimen tray
- 2 specimen adhesives
- 20 VT Feather Blades
- Instrument cover
- 3 specimen blocks
- Blade angle indicator
- 2X Magnifier

The Professional Package Includes:

- VT1000 A
- Deluxe Specimen Bath
- 3 specimen adhesives
- 30 VT Feather Blades
- Instrument cover
- 3 specimen blocks
- Rotating stage assembly
- Foot pedal
- Sapphire Knife
- Blade angle indicator
- 2X Magnifier

The Professional Gold Package Includes:

- VT1000 A
- VT900 R peltier refrigeration system
- 4 specimen adhesives
- 50 VT Feather Blades
- Instrument cover
- 3 specimen blocks
- Rotating stage assembly
- Foot pedal
- Sapphire Knife
- Blade angle indicator
- 2X Magnifier

Product Name	Product Code
Leica VT1000 A Starter	39072018
Leica VT1000 A Professional	39072020
Leica VT1000 A Professional Gold	39072022

*Product codes may vary slightly based upon power requirements.
Voltage and frequency must be specified at time of order.*