

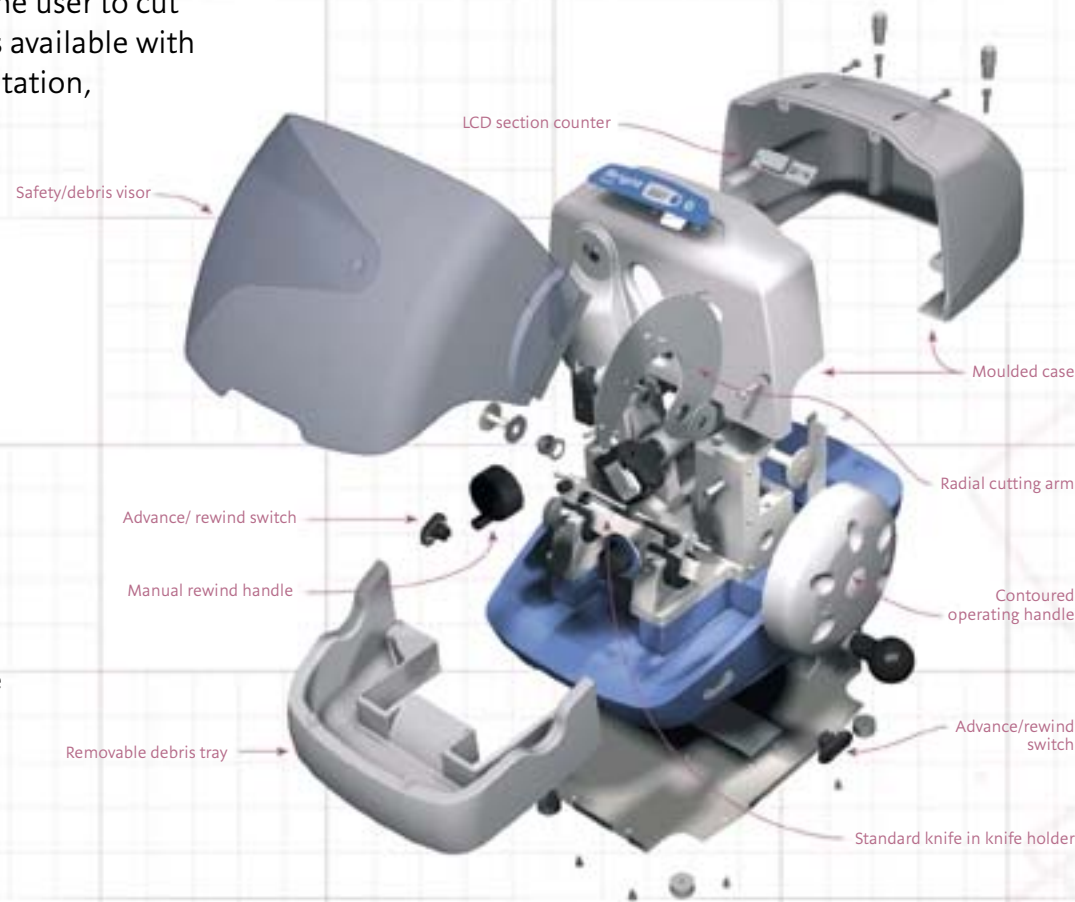
# M3500 Microtome

The M3500 has been developed by Bright Instruments to make a flat-cutting radial action wax microtome available to histologists at a realistic price. Its well-proven radial cutting action has been available in Bright cryostats for many years and is known to produce sections of the highest quality.

Its design incorporates specific features to enable the user to cut sections quickly, easily, safely and comfortably. It is available with a range of accessories that includes specimen orientation, motorised advance/rewind and motor drive.

- Flat-cutting radial action
- Automatic retraction on return stroke
- Motorised advance rewind with dual controls (left and right hand)
- Section counter
- Motor drive\*
- Accepts a wide range of knives and disposable blade holders
- Unique Lever Release Feather™ Blade Holder for easy and safe operation
- Height adjustable safety guards to fit different size knives and blades
- Large internal debris tray takes control of waste
- Innovative debris visor increases safety when a blade or knife is loaded
- Can be used comfortably, positioned at 90° to the operator
- 10-Position handwheel lock for safety and convenience
- Cassette quick release holder
- Specimen orientation available
- Stepping motor drive can be stalled without damage
- Lateral blade holder movement ensures full use of disposable blade

\* Available late 2002



The flat-cutting radial action of the M3500 has a distinct advantage over a vertical cutting microtome in that the specimen moves along the blade, as well as down on to it, thus producing a slicing cut similar to a guillotine. This cutting action produces less section compression than other methods and therefore gives superb results.

The M3500 incorporates the latest design thinking, using high quality moulded materials to soften curves and strengthen construction. This microtome has been designed to be portable, (cutaways in the plinth act as handgrips) but it is heavy enough to remain stable whilst sectioning. The advance/rewind switch has been duplicated on either side of the front and other controls have been positioned so that the microtome can be used either front-on or side-on to the operator.

Innovations, including a debris visor doubling up as a safety shield, a debris blind and trap to keep the inner mechanism clean and a deep integral debris tray, combine to make operations easier, cleaner and safer for the operator.

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## Specification

Cutting movement	53° flat-cutting radial with manual handwheel operation
Cutting stroke, mm	57
Maximum specimen size, mm	25x30
Section thickness range <sup>1</sup>	0µm to 30µm in 2µm increments
Max head advance	25mm at 0° knife tilt angle
Specimen orientation	5°
Specimen rotation	360°
Retraction	Yes (10µm)
Section counter	6 digit LCD
Section counter power supply	2xAA batteries (supplied)
Knife angle adjustment	0-25°
Specimen holder	Quick release cassette holder
Electrical <sup>2</sup>	220/240V, 50/60Hz
Dimensions, wxhxd, mm	450x300x440
Weight, kg	24

1. 0µm to 15µm in 1µm increments available as a factory fitted option  
2. 110V versions available, please enquire

## Ordering

Cat. No.	Part no.	Description
236-029	M3500-01	Radial microtome with standard knife holder and cassette quick release holder
236-033	M3500-02	Radial microtome with standard knife holder and standard vice clamp

## Options (factory fitting required)

Cat. No.	Part no.	Description
236-034	230MAR	Motorised advance/rewind (220/240V 50/60Hz) <sup>2</sup>
236-155	230MR	Motorised drive (220/240V 50/60Hz) <sup>2,3</sup>
236-035	212-045	1-15µm feed screw with 1µm increments

## Accessories

Cat. No.	Part no.	Description
236-038	212-048	Standard vice clamp (can be fitted instead of quick release cassette holder at no extra cost)
236-039	212-049	Standard vice clamp with orientation
236-036	212-046	Cassette quick release holder
236-037	212-047	Cassette quick release holder with orientation
236-004	50230	Standard knife with box, C-profile, 189x27x10mm, 22° angle, safety cut-outs at each end
236-032	57903	Lever Release Feather™ Blade Holder
??-???	BDH	Feather™ disposable blades
236-040	138404-16	Spare fuse 1 amp(T)
236-071	57713-1	Bright Cryospray 134, 300ml aerosol can

2. 110V versions available, please enquire 3. Available late 2002

