

Bright

# — M3500 Microtome

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**Hacker**

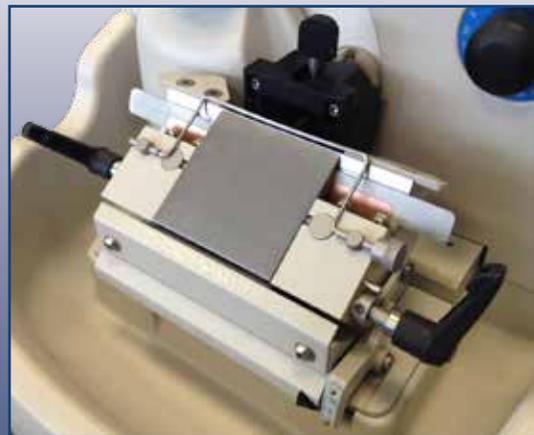
## *Flat Cutting Radial Action Microtome*

Making a radical leap forward in wax sectioning technology, the M3500QR incorporates a flat-cutting radial action. This has a distinct advantage over a vertical cutting microtome in that the specimen moves along the blade, as well as down on to it, this producing a slicing cut (similar to a guillotine). The cutting action produces less section compression than other methods and therefore gives superb results.



The M3500QR incorporates the latest design thinking, using high quality moulded materials to soften curves and strengthen construction while keeping the overall weight down in order for the instrument to remain relatively portable, (cutaways in the plinth act as handgrips) but heavy enough to remain stable while 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 to take control of waste, add up to make operations easier, cleaner and safer for the operator.



Dedicated Quick Release Feather  
Blade Holder

## Technical Specifications

Section thickness range	0 to 30µm
Section thickness increments	2µm
Fine feed screw section thickness range	0 to 15µm
Fine feed screw section thickness increments	1µm
Automatic retraction	10µm
Head advance distance	25mm with knife at 0°
Motorized advance/rewind speed	116µm/s
Specimen orientation	+/- 5°
Specimen rotation	360°
Specimen holder (standard)	Cassette quick release holder
Specimen holder (optional)	Standard vice clamp
Section holder (optional)	Cassette quick release holder with orientation
Section holder (optional)	Standard vice clamp with orientation
Section counter	6 digit LCD
Section counter power supply	2 x AA batteries
Horizontal specimen feed	25mm @ 0° knife angle
Vertical specimen stroke	57mm
Angular cutting motion	53°
Maximum specimen size	25mm x 30mm
knife holder angle adjustment	0 - 25°
Motorized advance/rewind power consumption	30VA
Supply voltages	N/A
Net / Gross weight	26kg / 30kg
Dimensions	450mm (W) x 300mm (H) x 440mm (L)
Packing specifications	59 x 59 x 45 cm (0.155 cube)

M3500-01	M3500 Radial Microtome with dedicated Quick Release Feather Blade Holder and Cassette Quick Release Holder	Please request quotation
M3500-02	M3500 Radial Microtome with dedicated Quick Release Feather Blade Holder and Standard Vice Clamp	Please request quotation
115MAR	Motorized advance/rewind	\$1,500.00
212-045	Fine feed screw 0 - 15µm, 1µm increments (factory fitted)	\$2,900.00
57903	Lever release Feather blade holder	\$1,250.00
212-049	Standard vice clamp	\$1,200.00
212-049	Standard vice clamp with orientation	\$1,500.00
212-046	Cassette quick release holder	\$1,200.00
212-047	Cassette quick release holder with orientation	\$1,500.00
50241	Pack of 50 Feather™ blades	\$350.00
52658	Vertical vice clamp	\$205.00
52632	Vertical vice clamp 45°	\$300.00



[www.hackerinstruments.com](http://www.hackerinstruments.com)

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\* All prices subject to change without notice