

Model no. H3009

ROTATIONAL MICROTOME



According to

ISO 18553

ASTM D 5596

The microtome is used to cut very thin slices from a sample material in order to subsequently assess the degree of pigment and carbon black dispersion in polyolefin pipes and fittings. The rotational microtome is available in a semi-automatic version and is delivered completely ready for use. It can be used in various ways thanks to its exceptional precision. To assess the samples, on request we also supply a suitable microscope.

SIMPLE AND SAFE OPERATION

- > Simple operation when changing the blades and adjusting the cutting angle thanks to centrepiece that can be adjusted separately
- > Precise object feed
- > Balanced hand wheel ensures an ergonomic and safe cut
- > Acoustic signal when the end position is reached

RELIABLE TEST RESULTS

- > Damage to the sample due to grinding on the blade is prevented by retraction of the sample during upward movement

LASTING EFFICIENCY

- > Robust machining
- > High sample throughput
- > High-quality unit components guarantee high reliability, a long service life and low maintenance costs

VERSION ROTATIONAL MICROTOME		H3009-0008
Cut thickness range	µm	0.5 - 100
Section thickness settings		0.5 – 2.0 µm in 0.5 µm steps 2.0 – 20.0 µm in 1 µm steps 20.0 – 50.0 µm in 2 µm steps 50.0 – 100.0 µm in 5 µm steps
Trim thickness range	µm	0.5 - 750 quick switchover between trim and standard cut thickness
Trim thickness settings		0.5 - 2 µm in 0.5 µm steps 2 - 20 µm in 1 µm steps 20 - 50 µm in 2 µm steps 50 - 150 µm in 5 µm steps 150 - 750 µm in 10 µm steps
Horizontal object feed	mm	28
Total vertical object lift	mm	72
Feed speed SLOW	µm/s	75 / 150 / 300 / 600
Feed speed	µm/s	3,000
Cut/trim thickness display		3-digit LED display
Operation via		Membrane keypad
Sample retraction	µm	0 - 200
Sample orientation	°	±8
Disposable blade holder		✓
50 disposable blades		✓
Sample holder		✓
CE-Conformity		✓
Permissible ambient temperature	°C	+5 to +30
Permissible relative humidity	%	Max. 70 % non-condensing
Dimensions [W x D x H]	mm	520 x 600 x 325
Weight	kg	33
Voltage data		110 - 240 V, 50/60 Hz * other voltages
✓ included + available/optional O eligible – not available * available upon request		

ACCESSORIES ROTATIONAL MICROTOME

Product	Description	Model no.
	Microscope with digital camera and software	H3022