



## Product specification

### CUT 6062 · Fully-automatic precision microtome

Item No.: 10080001



### Specifications

Nominal supply voltage	100 - 240 V AC +/- 10%
Nominal frequency	50/60 Hz
Power draw	120 VA
Protective class	(1) I
Power fuses	2 x T 1,6 A
Pollution degree	(1) 2
Overvoltage installation category	II
Maximum heat emission	120 J / s
Operating temperature range	+10 to +35 °C
Operating humidity	max. rel. 80 % non-condensing
Storage temperature range	+5 to +55 °C
Storage humidity	max. rel. 80 % non-condensing
Section thickness setting range	0.5 - 100 µm
Section thickness selection	0.5 - 2 µm in 0.5-µm steps 2 - 20 µm in 1-µm steps 20 - 50 µm in 2-µm steps 50 - 100 µm in 5-µm steps

## Specifications

Trimming thickness	0.5 - 750 $\mu\text{m}$ 0.5 - 2 $\mu\text{m}$ in 0.5- $\mu\text{m}$ steps 2 - 20 $\mu\text{m}$ in 1- $\mu\text{m}$ steps 20 - 50 $\mu\text{m}$ in 2- $\mu\text{m}$ steps 50 - 150 $\mu\text{m}$ in 5- $\mu\text{m}$ steps 150 - 750 $\mu\text{m}$ in 10- $\mu\text{m}$ steps
Specimen feed	28 mm (step motor)
Specimen feed speed SLOW	75 / 150 / 300 / 600 $\mu\text{m} / \text{s}$
Specimen feed speed	3,000 $\mu\text{m} / \text{s}$
Specimen feed memory	2 positions programmable
Vertical specimen stroke	72 mm
Maximum specimen size	50 x 50 mm
Knife holder - north-south axis	24 mm
Specimen retraction	0 - 200 $\mu\text{m}$ , selectable
Operation modes	Motorized: continuous, program, single stroke, step, window   Manual: standard and rocking mode
Sectioning speed	3 - 450 mm / s, selectable via slider
Specimen orientation, horizontal	8°
Specimen orientation, vertical	8°
Specimen orientation, z-axis	360°
Information display	Number of sections / section-sum and remaining travel distance
Dimensions [W x D x H]	520 x 600 x 325 mm
Weight (w/o accessories)	33 kg

(1) According to IEC 1010, EN 61010

## Standard components

Specimen orientation
Universal cassette clamp, orientable (alternatively: standard specimen clamp, orientable)
Disposable blade holder (alternatively: standard knife holder)
Section waste tray
Disposable blades, low profile (1 box, 50 pcs.)
Foot switch for motor drive

## Standard components

Dust cover

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Mains cable

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Manual

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## Optional accessories

	Item No.
Aquatec system	10090056
MTR bench top quick freezing unit	10110000
Magnifier with illumination (dimmmable)	10090060
External control panel CUT 6062	10090051
TC65 disposable blade holder (for tungsten carbide blades)	10090041
Tungsten carbide blade (1 pcs.)	28406000
Disposable blades (cf. consumables)	
Glass knife holder (for triangle glass knives)	10090014
Segment arc incl. universal sample holder (for glass knife holder application)	10090015
Super Mega cassette clamp, orientable	10090027
Super Mega cassette clamp, fixed	10090021
Standard specimen clamp, orientable	10090006
Standard specimen clamp, fixed	10090007
Foil clamp (use in standard specimen clamp)	10090025
Standard knife holder	10090008
Knife holder basis unit	10090011
Prism (set)	10090017
Round specimen holders (different diameters)	on demand
More on request	

## Consumables

### Item No.

Disposable blades (plasma coated) Low profile plasma LPS for soft specimens, 50 pcs. / box	28407005
Disposable blades (plasma coated) Low profile plasma LPH for hard specimens, 50 pcs. / box	28407004
Disposable blades (plasma coated) High profile plasma HPS for soft specimens, 50 pcs. / box	28407007
Disposable blades (PTFE coated) Low profile suitable for all types of specimens, 50 pcs. / box	28407000
Disposable blades (PTFE coated) High profile suitable for all types of specimens, 50 pcs. / box	28408000

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