

Microslicers™

DTK Microslicers™ The DTK Microslicers™ have a unique design for the vibratory motion of the cutting blade. They are made to cut sections of extremely soft tissues like brain, liver or similar difficult-to-section material. The Microslicers™ line of instruments are well known for their quality and their superior results, enjoying an excellent reputation in the neuroscience research community.

The Microslicers™ are available in three models:

■ Microslicer™ DTK-1000

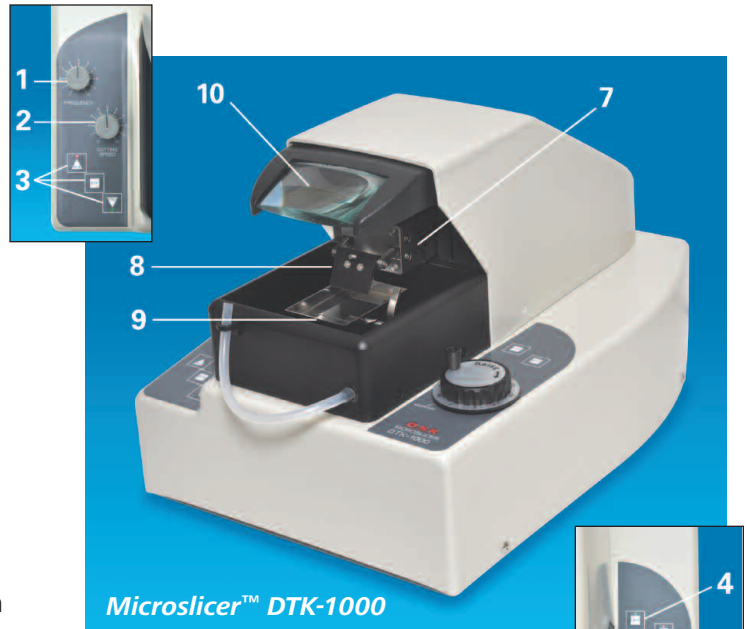
A high quality, basic vibrating microtome, suitable for a busy laboratory, with many users.

Functions Include:

1. Frequency dial
2. Cutting speed dial
3. Function switch: reverse; stop; forward
4. Lamp switch
5. Main switch
6. Section thickness dial
7. Motor box
8. Blade holder
9. Buffer tray
10. Magnifier assembly with fluorescent lamp

10000 Microslicer™ DTK-1000, 120V, 60Hzeach

10000-220 Microslicer™ DTK-1000, 220V, 50/60Hz . . .each



■ Microslicer™ DTK-Zero 1

the first vibrating microtome with Zero "Z" technology

This model Microslicer™ with Zero Z technology dramatically reduces the Z-axis vibrations to approximately 2.5 microns. It is also equipped with a specimen retraction system. The specimen advance is manual but the specimen can be moved up or down by a motorized button. A function switch can stop, advance or retract the cutting action, saving valuable time.

Functions Include:

1. Frequency dial
2. Cutting speed dial
3. Function switch: reverse; stop; forward
4. Lamp switch
5. Main switch
6. Section thickness knob
7. Motor box
8. Blade holder
9. Buffer tray
10. Magnifier assembly with fluorescent lamp
11. Up switch
12. Down switch
13. Retraction switch

10111 Microslicer™ DTK-Zero 1, 115V, 50/60Hz . .each

10111-220 Microslicer™ DTK-Zero 1, 220V, 50/60Hz . .each



Journal references to research work done using Dosaka Microslicer™:
http://www.tedpella.com/microslicer_html/10110ref.htm

■ Microslicer™ DTK-3000W

70 x 70mm maximum specimen size

This is the most sophisticated model. The maximum specimen size is 70 x 70mm, in addition to having all the excellent features of the model DTK-Zero 1.

Functions Include:

Fully automatic single or continuous mode. Selection of section thickness is possible at one micron units with a high performance stepping motor for specimen advance. Equipped with a specimen retraction system. Forward and reverse blade movements are selectable at 1mm intervals.

Features:

1. Frequency dial
2. Cutting speed dial
3. Operation panel
4. Display (thickness)
5. Display (sectioning range)
6. Motor box
7. Blade holder
8. Buffer tray
9. Magnifier assembly with fluorescent lamp

10150 Microslicer™ DTK-3000W, 115V, 50/60Hz . .each

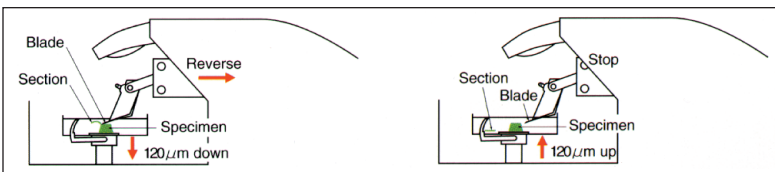
10150-220 Microslicer™ DTK-3000W, 220V, 50/60Hz . .each



Microslicer™ DTK-3000W

Microslicer™ Specifications

Model	Prod. No. 10000 and 10000-220 Microslicer™ DTK-1000	Prod. No. 10111 and 10111-220 Microslicer™ DTK-Zero 1	Prod. No. 10150 and 10150-220 Microslicer™ DTK-3000W
Electrical	100/120/220/240, 50/60Hz	same	same
Blade Oscillating Frequency	0~55Hz	same	same
Blade Oscillating Width	2mm fixed	same	same
Cutting Speed	0-68/mm/min. (about)	0-68/mm/min. (about)	0-90/mm/min. (about)
Reverse Speed	104mm/min. (about)	same	same
Maximum Specimen Height	20mm	same	same
Specimen Retraction Function	No	Yes	Yes
Maximum Specimen Size	25 x 30mm	25 x 30mm	70 x 70mm
Blade Holder Size	For 30mm blade	For 30mm blade	For 30 / up to 70mm blade
Automatic Operation	No	No	Yes



The retraction mechanism is a function that prevents the retracting blade from touching the face of the specimen. The specimen tray is lowered by 120 micrometers after the cutting of each section and is raised by the same distance when a new cutting cycle starts.



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