

A New Slicer from Japan.



Neo LinearSlicer AT



Neo LinearSlicer MT

DOSAKA EM CO.,LTD.
www.dosaka-em.jp

New slicers for the world!

Dosaka-EM Co., Ltd. has grown up with slicers for nearly 40 years.

In 1980, we developed the first vibrating blade tissue slicer "MicroSlicer[®]" in Japan that overwhelmed the performance of "Vibratome", the de facto standard at the time.

In 2001, we developed "LinearSlicer[®]" first in the world improving the method of lateral vibration from DC motor drive to linear motor drive. By suppressing irregular vertical vibration which deteriorates performance to 2 micrometers or less (at maximum vibration), we succeeded to decrease chattering as much as possible, its performance far surpasses those of other companies' products.

And in 2014, a new product "Neo LinearSlicer[®]" was born. The design of the chassis was redesigned, and a vibration damping base was built-in. Body was changed from plastic to steel plate, eliminating defective vibrations caused by resonance as much as possible. With these, we provide the performance producing much thinner sections of live tissues.

The operation system was redesigned the panel design while leaving the historical simple and clear feeling of Dosaka-EM's MicroSlicer series. The automatic model modernized the control program and improved usability. The blade holder was detachable, and both the blade holder and deep type ice tray are sterilizable. Dosaka-EM aims for further height.

The new slicer of the world, Neo LinearSlicer[®], was born.

Standard model: **Neo LinearSlicer MT[®]**, with manual thickness operation.

High-end model: **Neo LinearSlicer AT[®]**, makes sections automatically by key operation.

We will deliver two models.

Specifications	Range of application
Type NLS-MT : Manual Model	Neuroscience
NLS-AT : Automatic Model	neurochemistry
Outer size W345mm X D500mm X H240mm	Histochemistry
Weight 35kg	cytochemistry
Power 100-240V 2A	Physiology
Blade vibration 50-100Hz	Pharmacology
Vibration width 0-2mm	Toxicology
Abnormal vibration 2 μm at the maximum/1 μm regularly	Pharmacokinetics
Forward speed 0-44mm/min	Enzyme cytochemistry
Back speed 71mm/min	histopathology
Area of sectioning W30 X D25mm	Botany
Vertical movement 15mm	Applied entomology
Special instruments -Built-in vibration damping base	Regenerative medicine
-Removable blade folder (sterilizable)	Tissue engineering
-Removable ice bath (sterilizable)	Tissue culture
-Retraction mechanism	Other research areas using tissue sections
-Automatic sectioning (NLS-AT model)	

(The appearance and specifications may be changed for revision without notification.)