

Motorized XY Stage System for Microscopes | BIOS

Applicable to various microscopes using penetrated illumination (LED illumination) and epi-illumination. Efficient in all sorts of sample inspections and image acquisitions. Feedback control by built-in optical linear scale substantializes high accuracy in positioning.

Application Systems

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Motorized XY Stage System for Inverted Microscopes | BIOS-T series

Catalog Code W2005

Highly accurate motorized stage, Easily mountable on your existing microscope.

- Applicable to various lines of inverted microscopes. (Olympus: IX series, Nikon: TE2000-Ti)
- Convert your existing manual stages into precisely-positioning motorized stages.
- Outstanding in Time-lapse fluorescence observation system.



▲Thin standard type



▲Microplate-compatible type

Standard type (Compatible microscopes: Olympus IX71, IX81, IX70, IX73, IX83 Nikon TE2000, Ti)

Part Number	Resolution [μm]	Travel [mm]	Stage Controller	Joystick Controller	Feedback function
BIOS-406T	0.01		FC-501G		○
BIOS-206T	0.1	30 (±15)	FC-101G	BJ-02G	○
BIOS-106T	0.1		SC-101G		×

Accessories: Middle seat (Olympus), annular ring (Nikon)

Microplate-compatible type (Compatible microscopes: Olympus IX71, IX81, IX70, IX73, IX83 Nikon TE2000, Ti)

Part Number	Resolution [μm]	Travel [mm]	Stage Controller	Joystick Controller	Feedback function
BIOS-425T	0.01		FC-501G		○
BIOS-225T	0.1	X-axis 110 Y-axis 75	FC-101G	BJ-02G	○
BIOS-125T	0.1		SC-101G		×

Accessories: BIOS-SH-A, BIOS-SH-B

* Applicable to sample holders apart from standard accessories. Please contact us.

▶ Regarding travel of and applicability to unlisted microscopes, please contact our International Sales Division.

Option code

BIOS-□□□T

OL
NI

OL : Olympus IX series
NI : Nikon Ti, TE2000 series

Guide

- ▶ Please inform us of the maker and part number (model) of your existing microscope before purchase.
- ▶ Sample programs are available for download from our website.

Interchangeable Sample Holder (option)



BIOS-SH-A



BIOS-SH-B

- When using Microplate-compatible type, universal sample holders can be attached or detached for observation purpose of plate or slideglass.

Highly accurate motorized stage applicable to slideglasses and schales.

- Applicable upright microscopes: Olympus BX series Nikon 80i-50i
- Convert your existing manual stages into precisely-positioning motorized stages.
- Thin Type and Thin Long Travel Type are available, considered space for illumination condenser lens.



▲Thin standard type



▲Thin long travel type

Thin Standard type (Compatible microscopes: Olympus BX series Nikon 80i, 50i)					
Part Number	Resolution [μm]	Travel [mm]	Stage Controller	Joystick Controller	Feedback function
BIOS-205S	0.1	30	FC-101G	BJ-02G	○
BIOS-105S	0.1	(±15)	SC-101G		×

Accessories: Adapter for microscope, exclusive spring clip

Thin long travel type (Compatible microscopes: Olympus BX series Nikon 80i, 50i)					
Part Number	Resolution [μm]	Travel [mm]	Stage Controller	Joystick Controller	Feedback function
BIOS-235S	0.1	X-axis 60	FC-101G	BJ-02G	○
BIOS-135S	0.1	Y-axis 30	SC-101G		×

Accessories: Adapter for microscope, exclusive spring clip

Option code

BIOS-□□□□S

OL

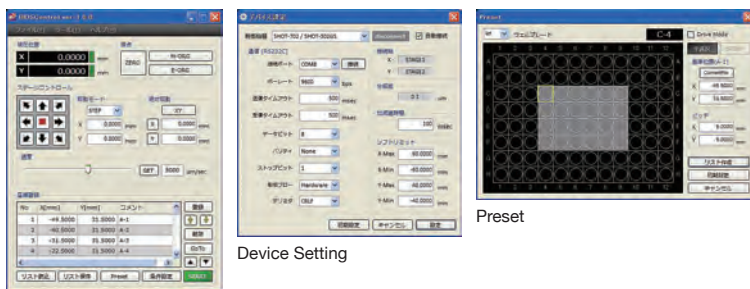
NIB

OL : Olympus BX series
NIB : Nikon 80i, 50i

Guide

▶ Please inform us of the maker and part number (model) of your existing microscope before purchase.

Sample Software for Simple Stage Control (BIOSControl)



Guide

▶ Sample programs are available for download from our website.
BIOSControl
(SHOT-702/302GS, FC-101G/501G, SC-101G)
Micro-Manager (FC-101G/SC-101G/SHOT-702)