

## MAX Series XY Stages



MAX203

Thorlabs offers microscope stages for select Olympus, Nikon, and Zeiss microscopes. These stages can be purchased alone or bundled into kits that include the recommended controller and microscope-specific adapter (if necessary). Please see page 1420 for more details.



MAX200 with MAX200P1 Microscope Sample Holder

ITEM#	\$	£	€	RMB	DESCRIPTION
MAX200	\$ 3,390.00	£ 2,350.00	€ 3,009.50	¥ 28,626.00	3"x 2" (75 mm x 50 mm) XY Travel Stage, 5 µm Accuracy
MAX201	\$ 6,460.00	£ 4,479.00	€ 5,736.00	¥ 54,549.00	3"x 2" (75 mm x 50 mm) XY Travel Stage, 1 µm Accuracy
MAX202	\$ 3,950.00	£ 2,738.00	€ 3,507.00	¥ 33,354.00	96-Well Plate XY Travel Stage, 5 µm Accuracy
MAX203	\$ 7,950.00	£ 5,512.00	€ 7,059.00	¥ 67,130.00	96-Well Plate XY Travel Stage, 1 µm Accuracy

## Benchtop Stepper Motor Controller for MAX Series Stages



BSC102  
50 W Drive Capability

**LabVIEW™ Compatible**

The BSC102 precision 2-channel stepper motor controller is ideally suited for driving the stepper motor actuators incorporated in the MAX series of microscopy stages. The controller combines high-speed digital signal processors (DSP) with low-noise analog electronics and ActiveX® software technology for effortless motion control. A full suite of software support tools is included. The apt™ stepper unit also supports encoder feedback, and a built-in algorithm can be enabled for position maintenance.

### Specifications

- **Input/Output:**
  - Motor Drive Channel (15-Pin D-Type Female)
    - 2-Phase Bipolar Motor Drive Output
    - Differential Quadrature-Encoder Interface
    - Forward/Reverse Limit Switch Inputs
  - Motor Control (15-Pin D-Type Female)
    - Jog Forward/Back
    - Enable/Disable Interlock
    - User Logic Outputs/Inputs
    - Single-Ended Analog Input (0-10 V)
    - Trigger In/Out
- **Motor Power:** Up to 48 V/50 W (peak)
- **Resolution:**
  - 128 Microsteps per Full Step
  - 200 Step Motor: 25,600 Microsteps/Revolution
- **Input Power Requirements:**
  - Voltage: 85-264 VAC
  - Power: 200 W
  - Fuse: 3.15 A
- **Motor Speeds:** Up to 600 RPM (for 200 Full Step Motor)
- **Encoder Feedback Bandwidth:** 500,000 counts/sec
- **Housing Dimensions (W x D x H):** 240 mm x 360 mm x 133 mm (9.5" x 14.2" x 5.2")

ITEM#	\$	£	€	RMB	DESCRIPTION
BSC102	\$ 2,095.00	£ 1,452.50	€ 1,860.00	¥ 17,691.00	Two-Channel apt™ Stepper Motor Controller

## MAX Series Breadboard Mounting Brackets

The MAX200P4 and MAX200P5 Mounting Brackets are designed to enable the direct mounting of any MAX series microscopy stage directly to an optical table or breadboard; consequently, the motorized sample stages can be used in custom microscope setups. The 22 mm mounting bracket set (MAX200P4) is ideal for the design of an upright microscope, whereas the 75 mm mounting bracket set (MAX200P5) provides the necessary working height to allow for the design of an inverted microscope.

**NEW versions**



- Provides Stable Mounting for MAX200 Series Stages
- Ideal for Creating Custom Microscope Configurations
- Choose from a Working Height of 22 mm or 75 mm

ITEM#	\$	£	€	RMB	DESCRIPTION
MAX200P4	\$ 90.00	£ 62.40	€ 80.00	¥ 760.00	22 mm Low-Profile Mounting Bracket Set
MAX200P5	\$ 90.00	£ 62.40	€ 80.00	¥ 760.00	75 mm High-Profile Mounting Bracket Set