



New Feature

NEW: VARIETY OF STAGE BRACKET OPTIONS PROVIDE INCREASED FLEXIBILITY

HIGHLY STABLE FOR EXPERIMENTS INTOLERANT OF PIPETTE DRIFT

SUB-MICRON RESOLUTION AND INTEGRATED COARSE POSITIONING

1 INCH OF MOTORIZED TRAVEL ON ALL THREE AXES

ADJUSTABLE SPEED AND RESOLUTION ALLOWS OPTIMIZATION FOR YOUR EXPERIMENTAL SETUP

WHEN USED WITH THE MP-285 CONTROLLER, PROGRAMMABLE ROBOTICS FOR COMPLEX MOTION SEQUENCES

CONTINUOUS DISPLAY (IN MICRONS) OF AXES POSITIONS

SWITCH BETWEEN CONTINUOUS OR SINGLE STEP MOVEMENT

ABSOLUTE AND RELATIVE ORIGINS



(Shown: 3DMS-200 with 3DMS-W20 stage bracket)

3DMS 3-DIMENSIONAL MOTORIZED STAGE

Many imaging experiments require the ability to move to multiple locations in a chamber or in a tissue culture dish. Large motorized stages accomplish this, but generally make the microscope into a single-use, motorized imaging station. The form factor of motorized stages usually precludes positioning other equipment such as manipulators at the same microscope.

Now, a simple attachment converts a standard Sutter **MP-285** manipulator into the **3-Dimensional Motorized Stage**. The **3DMS** manipulator and stage attachment can be either mounted on an **MT-75** gantry stand next to an upright microscope, or on an MD series stand attached to the body of an inverted microscope. The compact size allows manipulators and other equipment to be used simultaneously.

Refocusing is often required at the different X-Y locations when images are automatically acquired. Normally this requires a motorized focus drive to be added to the microscope. Because the 3DMS is a three-axis manipulator, focusing (vertical movement of the stage) is already built in. Surprisingly, this relatively small package still allows for 25 mm of movement in X, Y and Z axes with sub-micron precision.

A variety of stage brackets (shown below) are available to fit the needs of your experiment. Please consult our technical staff for further information.

3DMS SYSTEMS

3DMS-100
Includes TRIO™ MPC-100 controller, 3-axis motorized stage for microscope, stage bracket, and ROE user interface

3DMS-285¹
Includes rack mount MP-285 controller, 3-axis motorized stage for microscope, stage bracket, and ROE user interface

3DMS-200¹
Includes rack mount MPC-200 controller, 3-axis motorized stage for microscope, stage bracket, and ROE user interface

STAGE BRACKETS

3DMS-W20²
Stage bracket for Warner Series 20 octagonal (P & PH)

3DMS-W20R²
Stage bracket for Warner Series 20 round (PM)

3DMS-3X3²
Stage bracket with 3X3 M6 tapped holes

3DMS-PETRI²
Stage bracket for Petri dish and slides)

3DMS-BLANK²
Stage bracket – blank

3DMS-CUSTOM
Stage bracket – custom design

3DMS/M
3-axis motorized stage mechanical only

M100106
Flat side panel for controller (each)

¹ Please specify stage bracket when ordering.

² No charge when ordering with stage.



3DMS-W20

3DMS-W20R

3DMS-3X3

3DMS-PRETRI

3DMS-BLANK

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