



STABLE SUPPORT AND
SOLID DESIGN

ACCOMMODATES A VARIETY OF
STAGE INSERTS

COMPATIBLE WITH UPRIGHT AND
INVERTED MICROSCOPES

OPTIONAL XY TRANSLATION AVAILABLE

SUITABLE FOR MULTI-SITE
ELECTROPHYSIOLOGY

(Shown: MT-78-FS)

MT-78-FS MOVING & FIXED STAGE PLATFORM

Designed for experiments where a large single stage is dictated, the **MT-78-FS** large-stage platform provides solid, stable support and ample space to attach manipulators and other instruments as needed. The rigid aluminum top plate sits firmly on two of our well-known **MT-75** gantry-style stands. These stands provide height adjustment and sturdy attachment to the user's vibration table. Multiple degrees of freedom accommodate a variety of microscope and instrument arrangements.

The **MT-78-FS**, Fixed Stage platform, paired with a Sutter Instrument XY translator (either the motorized **MT-800** or manual **MT-500**), offers a large, single-platform solution for researchers performing experiments requiring X-Y translation of the optical pathway in order to view multiple locations within the specimen at high resolution. Many prefer a large stage design as it lends itself to the easy addition of manipulators, perfusion systems and other equipment to the setup.

The cast aluminum top plate used in the **MT-78-FS** has an attractive shape with an extensive $\frac{1}{4}$ -20 threaded hole pattern on 1-inch centers. This hole pattern is appropriate for mounting Sutter **MP285**

or **MP225** manipulator mechanicals using the mounting adapter plates that come with these devices. Optional rotating bases (285RBI) are also compatible and add flexibility. Finally, the new, **MP265/M** mechanical can be mounted on its narrow linear slide.

The **MT-78-CS** translates the gantry towers to provide 12.5 mm of movement. For users who want additional degrees of freedom and combined increase in travel in X and Y, the **MT-78-CS** can also be paired with a manual or motorized translator.

In the center of both the **MT-78** and **MT-78-FS** top plates is a 4X6 inch milled pocket that will accommodate a variety of aluminum stage inserts, designed to secure various commercial tissue chambers or slide holders. Custom aluminum inserts can also be provided. An available magnetic stainless steel insert carries commercial chambers or can be provided with a simple large, through hole for mounting a custom chamber. The magnetic insert allows small magnetic devices (perfusion lines, ground electrodes, small manipulators) to be mounted easily near the dish.

COMPONENTS

MT-78-FS
Fixed platform stage plate and gantry supports

MT-78-CS
Platform stage with 12.5mm manual micrometer movement and gantry supports

COMPLETE SYSTEMS

MT-1078
Includes the **MT-500** manual X-Y translator and **MT-78-FS** fixed stage platform

MT-2078
Includes the **MT-800** motorized X-Y translator, **MP-285** controller and ROE, **MT-78-FS** fixed stage platform, cables and manual

MT-2278
Includes the **MT-800** motorized X-Y translator, **MPC-200-ROE** controller and ROE, **MT-78-FS** fixed stage platform, cables and manual

SUTTER INSTRUMENT

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