

Inverted Movable Top Plate (IMTP)



Benefits

A central component in any electrophysiology setup, is a good mounting system. The Inverted Movable Top Plate (IMTP) provides a stable, and smooth movable option for all inverted microscopes.

This will ensure complete stability during recordings and prove intuitive and “problem-free” in operation.



Efficient sample space

The IMTP has been designed to accommodate industry standard 108 mm and 110 mm diameter chamber adapters. A ferro-magnetic ring allows convenient arrangement of magnetic perfusion cannulae, such as the Scientifica Bath Perfusion Tool.

The inverted platform features a deep sample chamber more suitable for techniques using cultured or dissociated cells, with a locking chamber.

Flexible mounting

The IMTP's tracks accept lockable sliding carriages, usually used for mounting micromanipulators.

This unique mounting system offers unrestricted freedom of movement to precisely position and fix your manipulators as close to your sample as you need. This ensures users can make the most of their manipulator's travel range by starting in an ideal 'home' position.

Superior movement

The completely smooth, trouble-free movement of the IMTP owes its success to over a decade of development.

Superior crossed roller bearings ensure that movement is perfectly linear across the entire travel range, as well as preventing sample damage from jerky, lagged movement. The 25 mm of movement in X and Y, and offers ample travel for larger preparations.



Compatibility

The IMTP is compatible with inverted microscopes from all major manufacturers, including Zeiss, Olympus, Leica and Nikon.

This is due to a careful top plate design and versatile, height adjustable legs. This ensuring that the IMTP is guaranteed to fit users current setup as well as remaining compatible with any future experimental setups

Anti-vibration table freedom

To allow complete freedom to arrange the rig on the anti-vibration table, the IMTP features Scientifica's clever slotted inserts on its feet.

The slotted inserts accept metric or english bolts making them universally compatible with tapped anti-vibration tables.

The legs of the IMTP can be adjusted and locked. This allows perfect compatibility with the focal height of the inverted microscope.

Technical Specifications

Specifications	
Number of Axes	2
X Travel:	25 mm
Y Travel:	25 mm

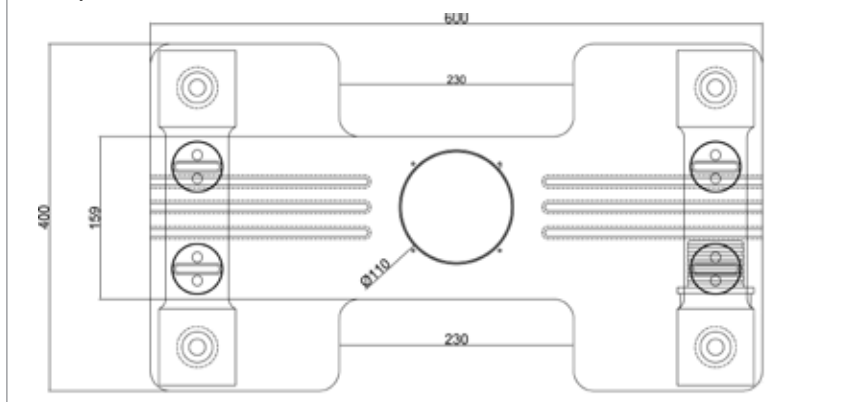
Ordering Information

Product Option	Order number
Inverted Movable Top Plate with English Carriages	IMTP-2000-00
Inverted Movable Top Plate with Metric Carriages	IMTP-2000-50

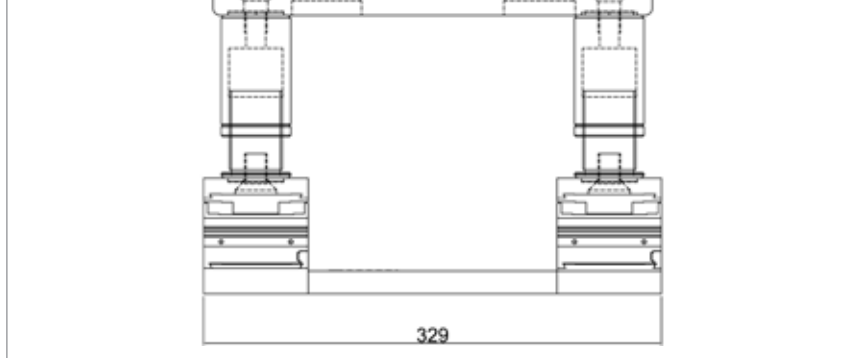
All IMTP's include the following as standard: 3 mounting carriages, Slice Recording Chamber Kit (containing 2 Bath Plate tools, Cover Slips, Plastic Bath Chamber and Ferromagnetic Ring & RTV sealant).

Schematics

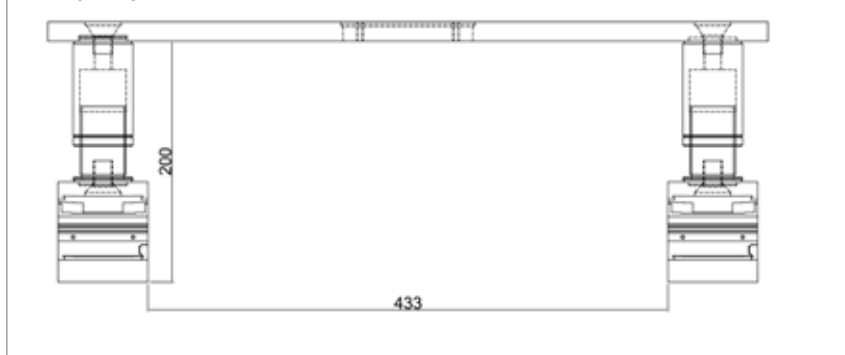
IMTP Top View



IMTP Side View



IMTP Front View



Warranty

Scientifica's success is founded on supplying superior support and application of our significant manufacturing experience.

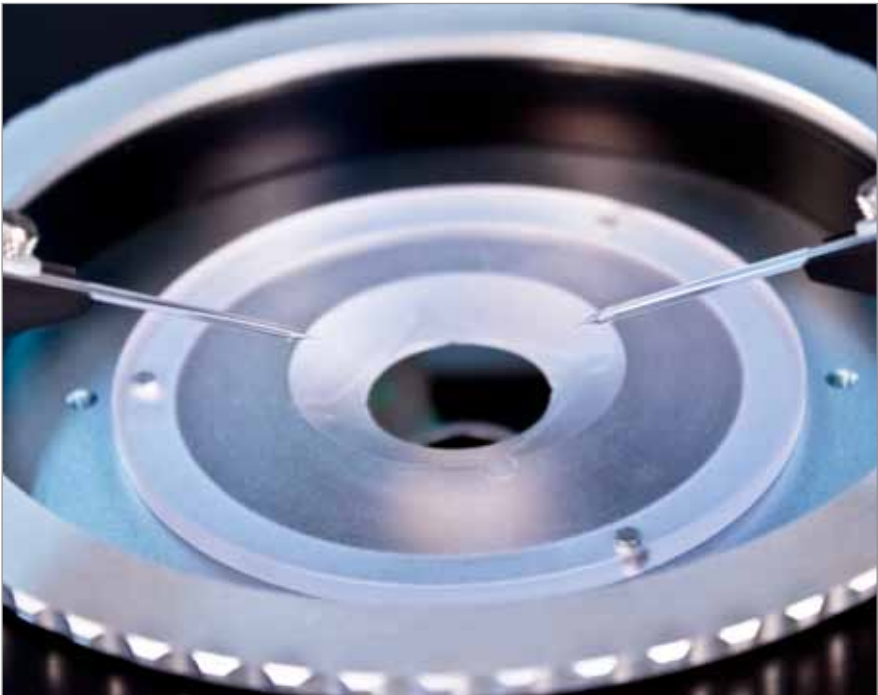
We would therefore really value the opportunity to understand your applications better and to offer no obligation advice on equipment, configurations and compatibility.

All Scientifica instruments are sold with a two-year warranty giving you complete peace of mind.

This covers all defects in manufacturing and materials. In this unlikely event, Scientifica will remedy either by repair or replacement.

Our team of customer support engineers are dedicated to providing you with the very best advice and support, should you experience any difficulties with our products.

With all products we offer a complete installation support service.



A guide to Scientifica mounting range

Movable Microscope



Universal Motorised Stage

OR



Manual XY Stage

+
One of the following
platform systems



SlicePlatform



Post & Platform



Inverted Fixed Platform

The Post & Platform, SlicePlatform and Inverted Fixed Platform are combined with our Universal Motorised Stage (UMS) for smooth microscope movement.

Fixed Microscope

Movable Top Plate



Movable Top Plate Motorised Movable Top Plate

Motorised Movable Base Plate



Inverted Movable Top Plate



Inverted Movable Top Plate Inverted Motorised Movable Top Plate

Complete Systems

All of the mounting options above are available as a package with Manipulators and a Microscope (either SliceScope or most major upright and inverted Microscopes) - a complete turnkey solution for your research.



Revision 1.1

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