

Clean and simple, motor-less design.
Combine with our AIR injector IM-11-2 for maximum convenience.



Contents:
• Drive unit x 2 • Control unit x 2 • Mounting adaptor • IP x 2 • Anchor x 2 • Positioning gauge

Specification:

Description	Four-axis Hanging Joystick Oil Hydraulic Micromanipulator						
Model	MTK-1-** **select model based on your microscope (see table below)						
Dimensions / Weight							
Control Unit	W : 86mm	D : 230±5mm	H : 151~171mm	Weight : 1,895g			
Drive Unit	W : 108~138mm	D : 150±5mm	H : 100~150mm	Weight : 818g			
Drive method							
	Method	Range	Operation		Full rotation	Angle	<div>T-axis: Four dimensional image</div>
X	Oil	10mm	X and Y joystick control	knob	250 μm	—	
Y	Oil	10mm		knob	250 μm		
Z	Oil	10mm	knob		250 μm		
T (Pipette holder)	Oil	10mm	knob		1,000 μm	15~40°	
	Mechanical	50mm	Lever control (up⇔Down)		—		

Microscope compatibility table (**select model based on your microscope)

Model	Olympus		Nikon		Carl Zeiss		Leica	
MTK-1-**	O1	IX-70	N1	ECLIPSE TE2000	Z1	Axiovert 200	L1	DMI3000B/4000B/6000B
	O2	IX-71	N2	ECLIPSE Ti		Axio Observer		
	O3	IX-73/83	N3	ECLIPSE Ts2R	Z2	Axio Vert.A1	L2	DMi8

Specifications are subject to change without notice.



NARISHIGE SCIENTIFIC INSTRUMENT LAB.
27-9, Minamikarasuyama 4-chome, Setagaya-ku, Tokyo 157-0062, Japan
Tel: +81 (0)3 3308 8233 Fax: +81 (0)3 3308 2005
e-mail: sales@narishige.co.jp

NARISHIGE CO., LTD.
27-9, Minamikarasuyama 4-chome, Setagaya-ku, Tokyo 157-0062, Japan
Tel: +81 (0)3 3308 8383 Fax: +81 (0)3 3308 8700
e-mail: sales@narishige.co.jp

NARISHIGE INTERNATIONAL USA, INC.
415 Bayview Avenue, Amityville, NY 11701-2838, U.S.A.
Tel: +1 631 229 3320 Fax: +1 631 841 0066 Toll Free: 800 445 7914
e-mail: info@narishige-usa.com

NARISHIGE INTERNATIONAL LTD.
Unit 7, Willow Business Park, Willow Way, London SE26 4QP, U.K.
Tel: +44 (0) 20 8 699 9696 Fax: +44 (0) 20 8 291 9678
e-mail: eurosales@narishige.co.uk

Lock-on Optical Axis

Micromanipulator
TAKANOME™
MTK-1

TAKANOME™ = 鷹の目 = Hawk eye

In the Japanese metaphor TAKANOME, one visualises “A hawk setting its sight keenly, locking on and swooping down to its target.”

We call this NEW manipulator TAKANOME which we designed to simply work for everybody. This metaphor describes the functionality of the manipulator perfectly.

PCT: International patent pending

TAKANOME™ from JAPAN

New ICSI standard

Next generation model

Model : MTK-1

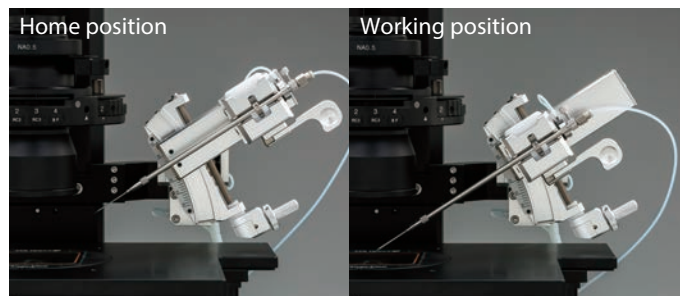
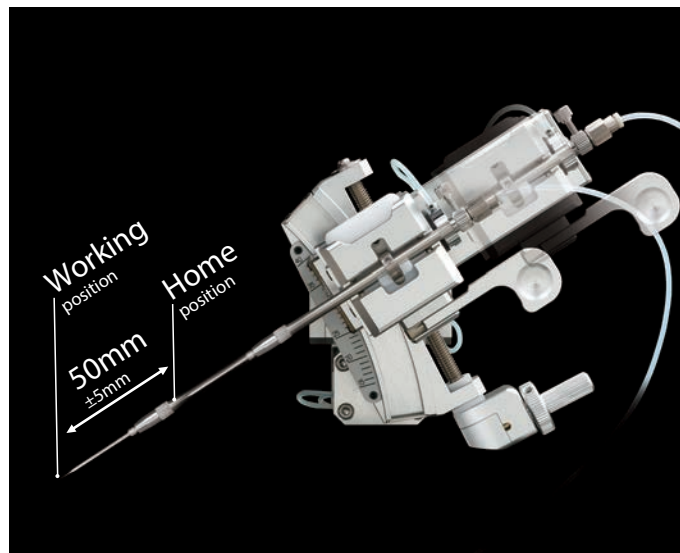
- Fast and precise pipette setting
- Innovative angle adjustment
- Low risk of broken or out of view pipette
- 3 simple installation steps
- Improved robustness
- Renowned smooth hydraulic operation

Micromanipulator

TAKANOME™

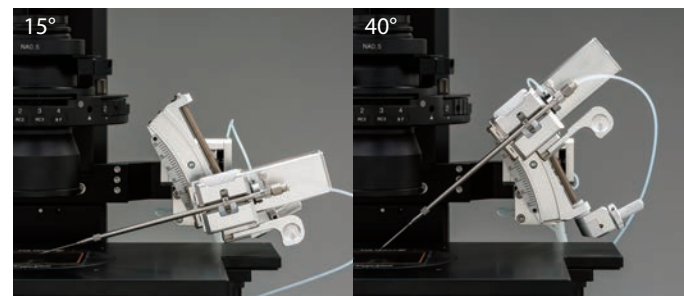
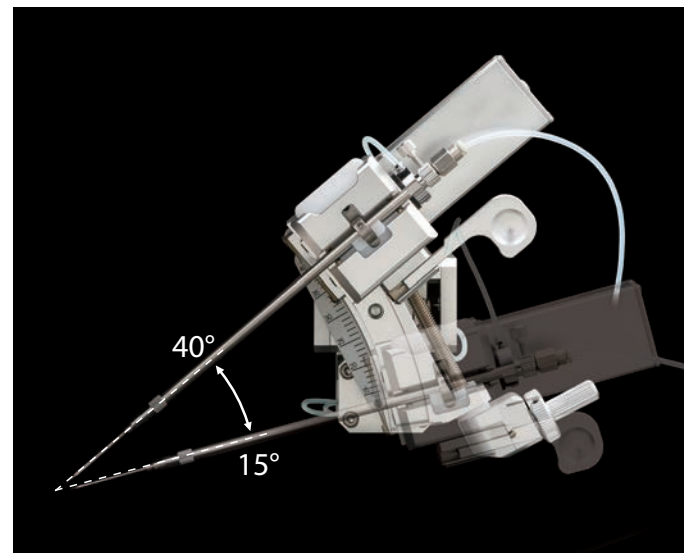
Pipette exchange

Low risk of breaking pipettes



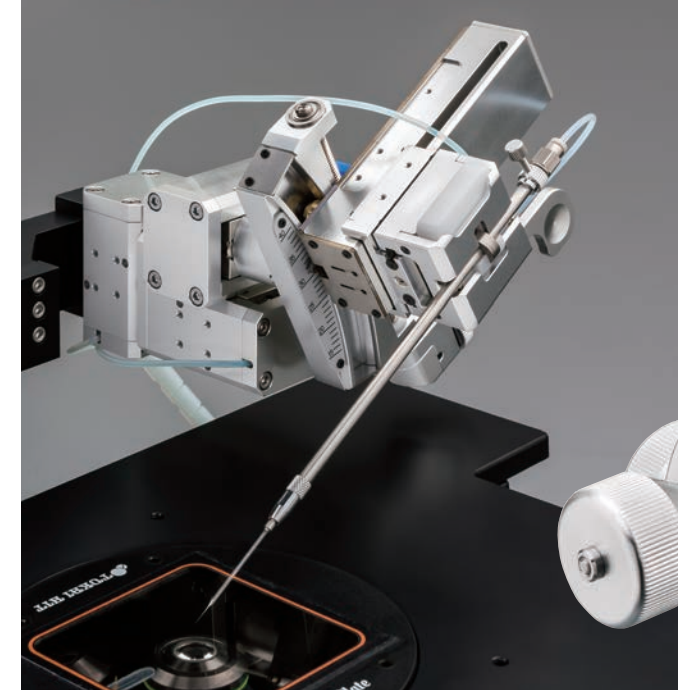
Angle adjustment

Tip always stays in view



Stable and robust body

Set up and go!



Traditional Hydraulic Joystick

Smooth response and reaction

Reliable and fast pipette exchange

- 1 Pull the lever to the HOME position(50mm).
- 2 Turn the T-axis knob to upper limit(10mm).
- 3 Take out the holder, Insert the pipette, put the holder back.
- 4 Press the WORKING/RETURN button.
- 5 Move the pipette tip to the field of view with T-axis knob.

3 simple installation steps

- 1 Set mounting adaptor.
- 2 Install the drive units on the mounting adaptor.
- 3 Set the gauge, check the center of the field of view.



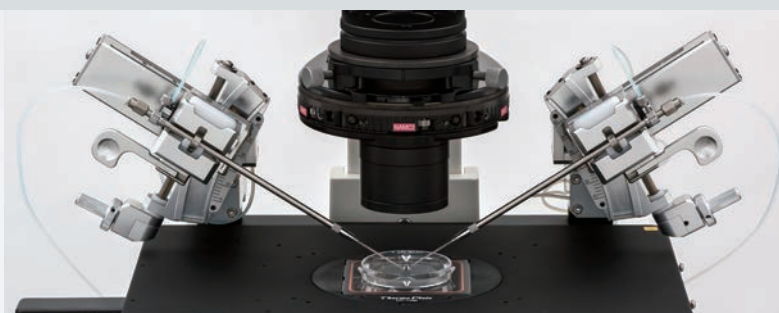
Olympus

IX70 IX71 IX73/83



Nikon

ECLIPSE TE2000 ECLIPSE Ti ECLIPSE Ts2R



Carl Zeiss

Axiovert 200 Axio Observer Axio Vert.A1



Leica

DMI 3000B/4000B/6000B DMI8

