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

Model: MTK-1-**

* Injectors are not included.

Model: IM-11-2

- Optional AIR injector IM-11-2 is also available.
- AIR injector is suitable for holding and injection.

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	T-axis: Four dimensional image
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 \ Microscope		Olympus		Nikon		Carl Zeiss		Leica
MTK-1-**	O1	IX-70	N1	ECLIPSE TE2000	Z1	Axiovert 200	L1	DMI3000B/4000B/6000B
	O2	IX-71				Axio Observer		
	O3	IX-73/83	N2	ECLIPSE Ti	Z2	Axio Vert.A1	L2	DMi8

Specifications are subject to change without notice.

NARISHIGE JAPAN NARISHIGE
Craftsman for your solutions

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Dealer/Distributor

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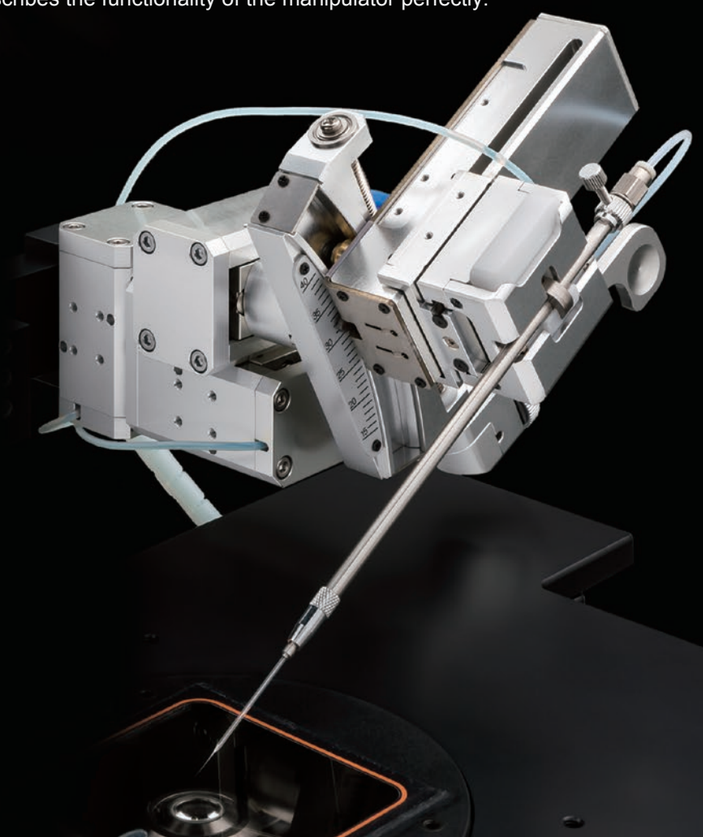
Lock-on Optical axis

TAKANOME™ = 鷹の目 = Hawk eye

Micromanipulator
TAKANOME™
MTK-1

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

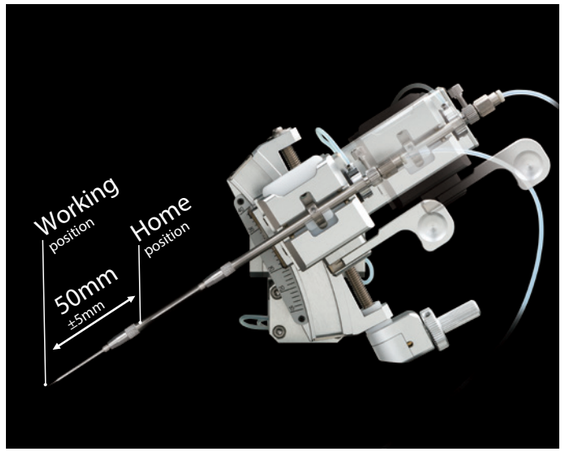
Model：MTK-1

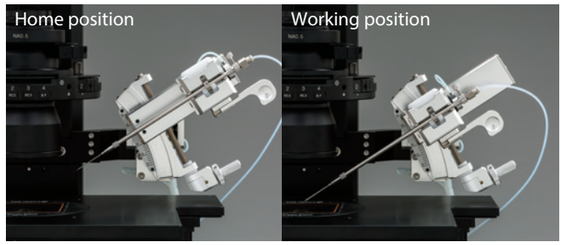
- Fast and precise pipette setting
- Innovative angle adjustment
- Low risk of broken or out of view pipette
- 3 simple installation steps
- Improved robustness
- Renowned smooth hydraulic operation

Micromanipulator TAKANOME™

Pipette exchange

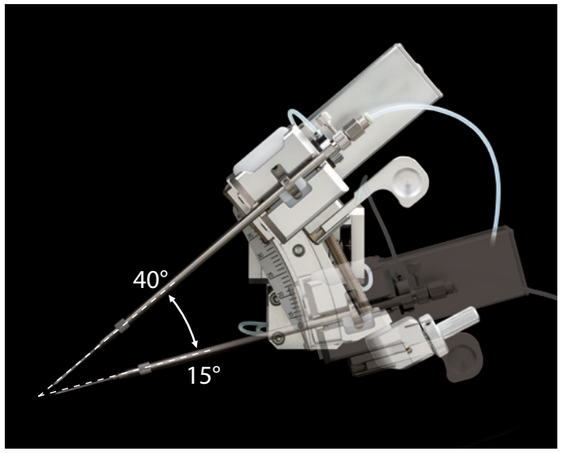
Low risk of breaking pipettes

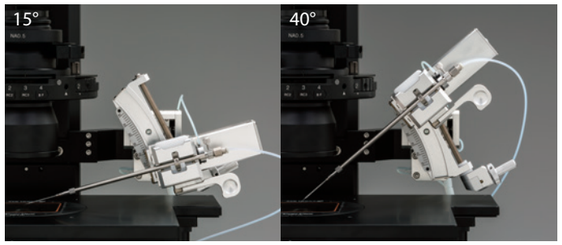




Angle adjustment

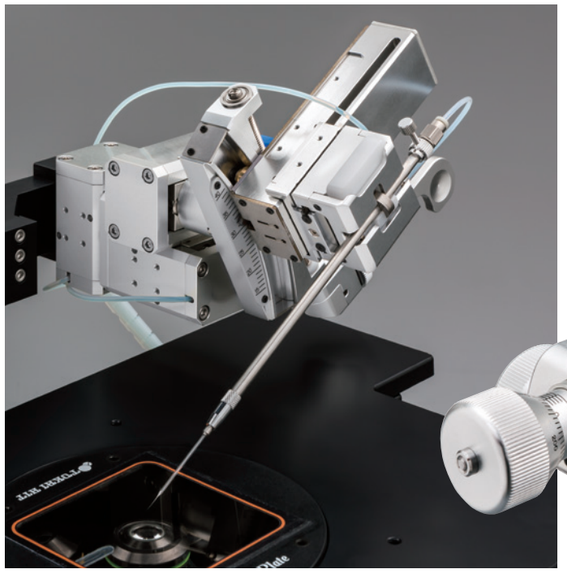
Tip always stays in view





Stable and robust body

Set up and go!



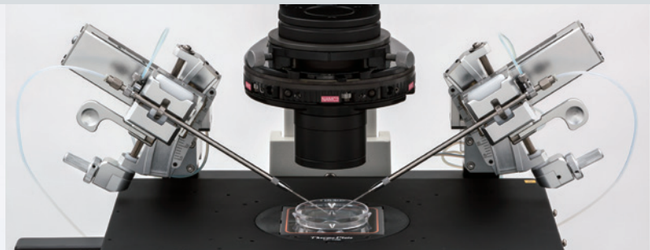
Traditional Hydraulic Joystick

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 positioning gauge, check the centre of the field of view.

Olympus	Nikon	Carl Zeiss	Leica
IX70 IX71 IX73/83	ECLIPSE TE2000 ECLIPSE Ti	Axiovert 200 Axio Observer Axio Vert.A1	DMI 3000B/4000B/6000B DMi8