



NARISHIGE
JAPAN **NARISHIGE**
Craftsman for your solutions

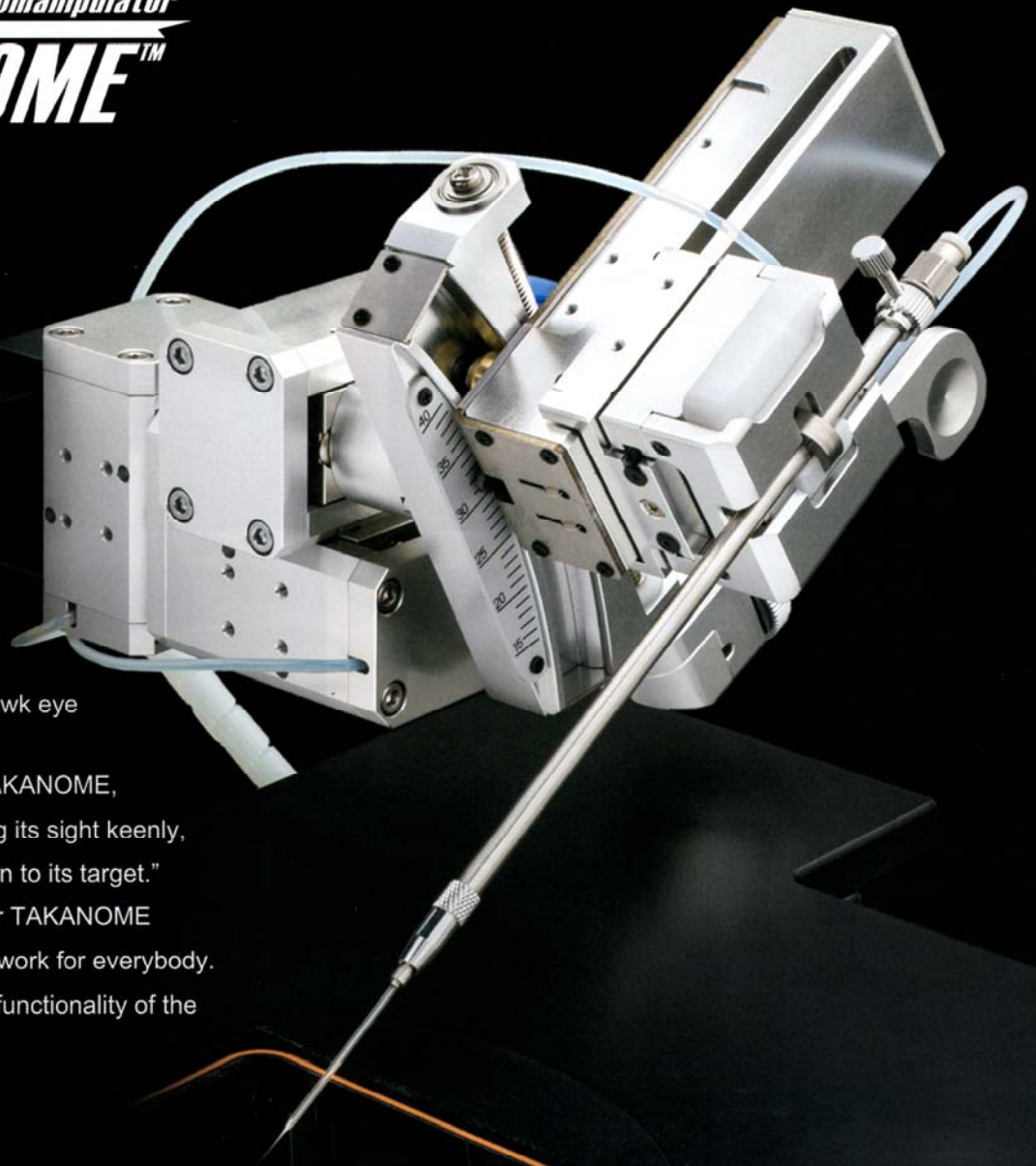
Lock-on Optical Axis



Micromanipulator

TAKANOME™

MTK-1VR



TAKANOME™ = 鷹の目 = Hawk eye

In the Japanese metaphor TAKANOME,
one visualizes "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.

Micromanipulator

TAKANOME™

New Generation MTK

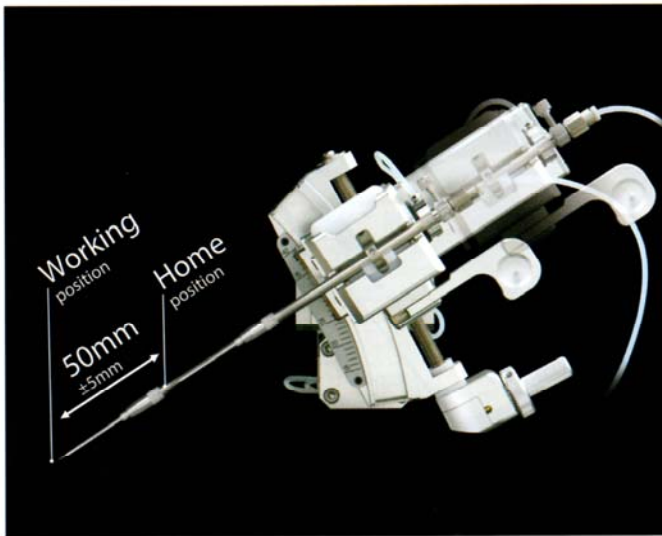
PCT: International patent pending

New Generation Model: MTK-1VR

- Angle adjustment and T-axis mechanism makes pipette exchange quick and simple.
- Always return back to original position in the center of field of view.
- Significantly reduces risk of broken pipette.
- Three step simple installation.

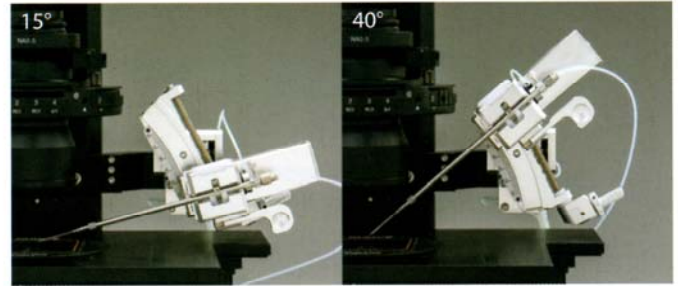
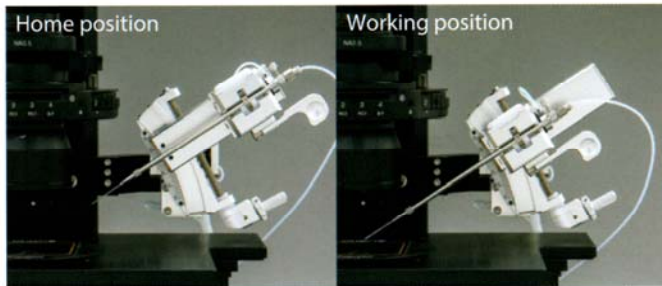
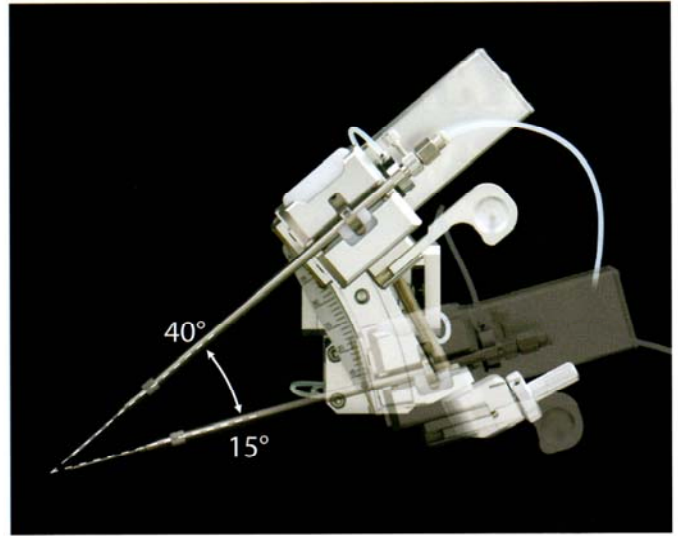
Pipette exchange

Low risk of breaking pipettes



Angle adjustment

Tip always stays in view

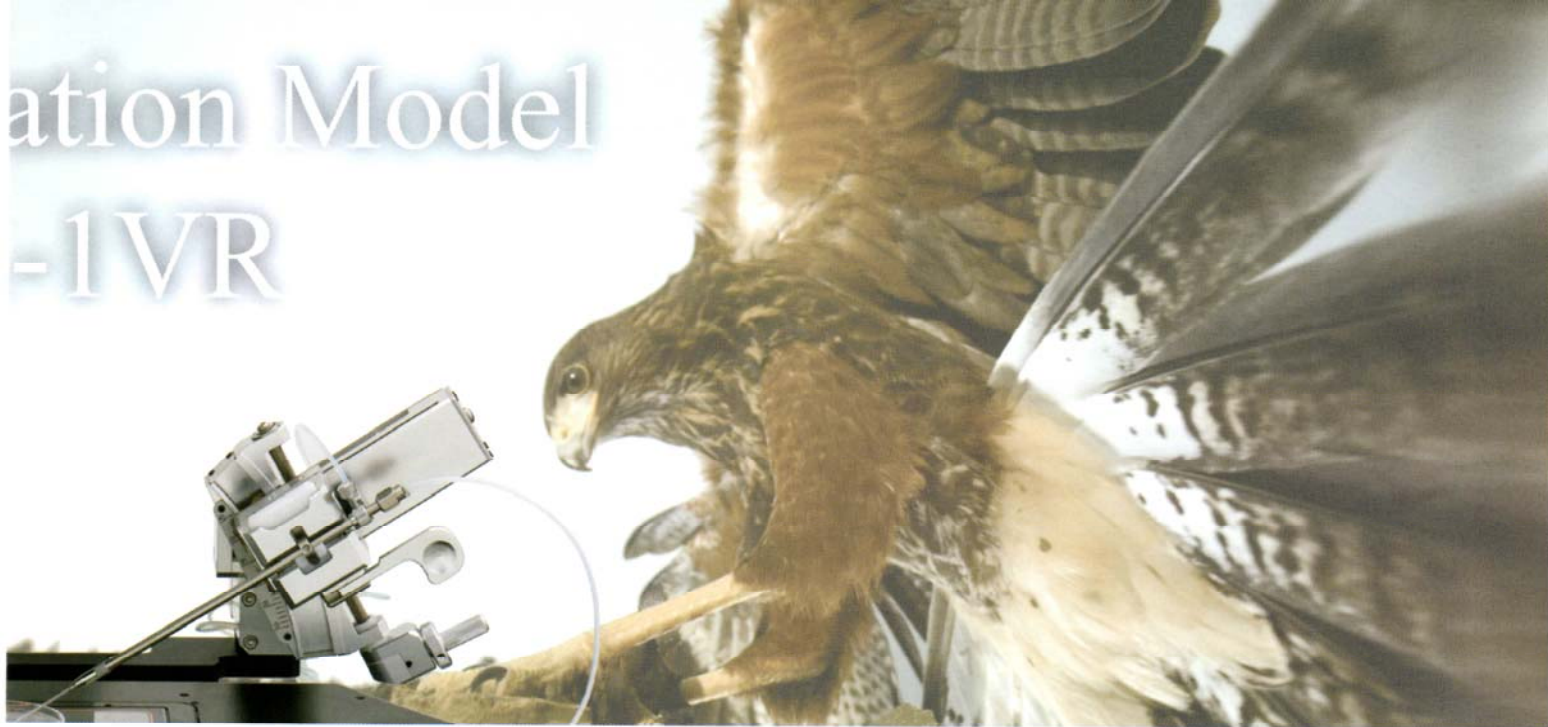


Olympus
IX70 IX71 IX73/83

Nikon
ECLIPSE TE2000 ECLIPSE Ti ECLIPSE Ts2R

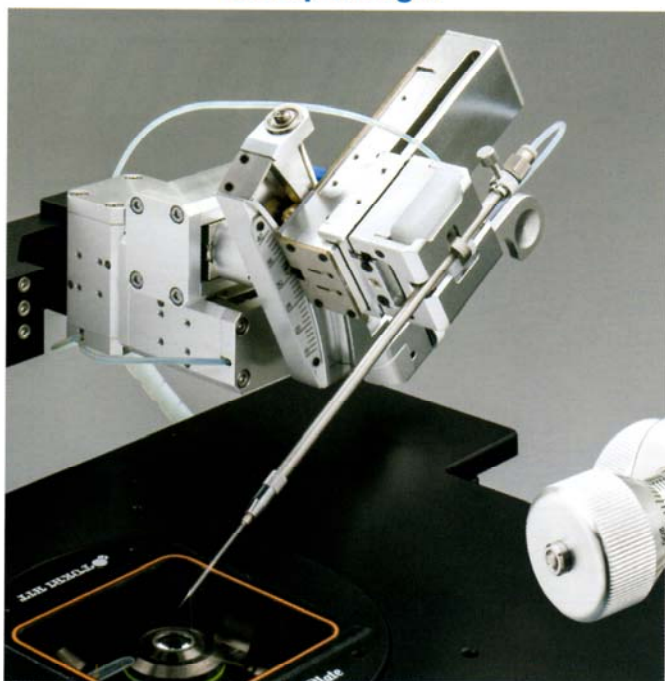


ation Model -1VR



Stable and robust body

Set up and go!



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.



Traditional Hydraulic Joystick

Smooth response and reaction

Carl Zeiss

Axiovert 200 Axio Observer Axio Vert.A1



Leica

DMI 3000B/4000B/6000B DMI8



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

Model: MTK-1VR-**



* 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-1VR-** **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	
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	
	Mechanical	50mm	Lever control (up⇔Down)		—	

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

Model	Microscope	Olympus	Nikon	Carl Zeiss	Leica		
MTK-1VR-**	O1	IX-70	N1	ECLIPSE TE2000	Z1	L1	DMI3000B/4000B/6000B
	O2	IX-71	N2	ECLIPSE Ti			
	O3	IX-73/83	N3	ECLIPSE Ts2R	Z2	L2	DMi8

Specifications are subject to change without notice.



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