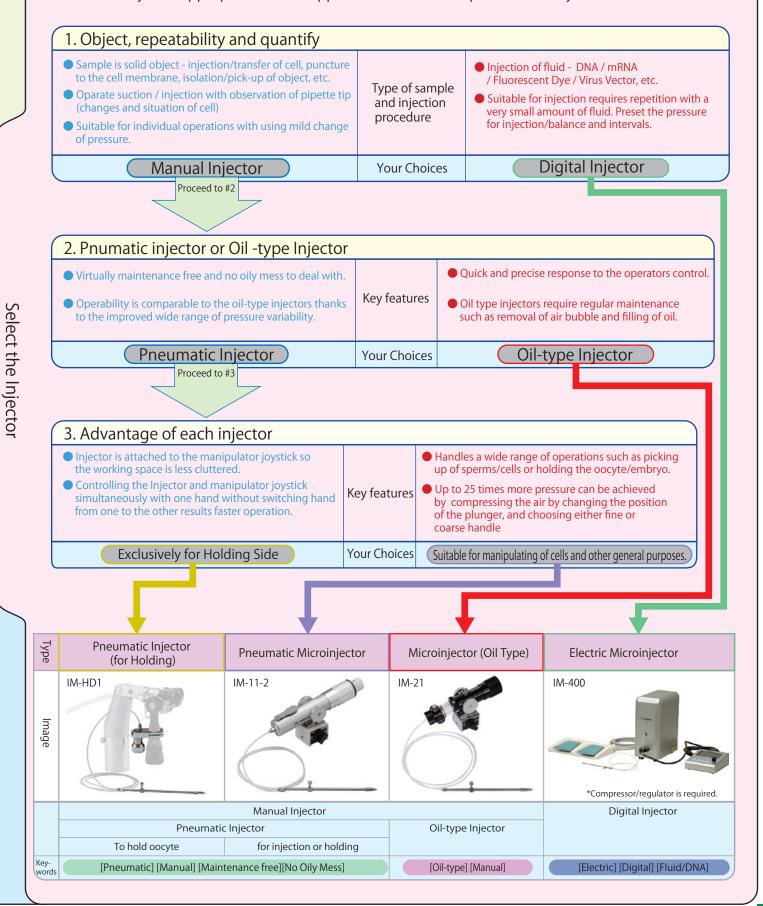
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Choose Adaptor

Choosing the correct injector is a crucial factor for successful outcome of the experiments.

Daily maintenance to keep the injectors in good condition is essential for smooth operation. Easy maintenance is another important factor when choosing the injector. Choose an injector appropriate for the application in order to operate correctly without stress.



Model of Microscope Ti2-E/A/U *3 Full setup on both si Ts2R Nikon Ti-E/U/S *3 Full setup on both side TE2000-E/U/S *3 Full setup on bo IX73/83 *3 Left-side/motorized of Olympus IX71/81 DMi8*1 DMI3000B/DMI4000B/DMI600 Leica DMi8*2 Axio Observer (3/5/7) Axiovert200 Zeiss Axio Vert.A1 Manipulator Attachment *3 Nikon Same Olympus * Mounting onto the illumina Leica Please contact us. Zeiss

*1 100w Illumination Pillar *2 30w Illumination Pillar *3 For both-side/left-side setup, "P-10" is required (to avoid interference between the drive unit and condenser).

Optional Parts

ltem / Part Number		Description
Injection Holder	HI-9	For pneumatic injector/Come with easy-to-attach mechanism.
End Cap with Stainless Steel Collar	HIC	For ø1 mm Pipette.
	HIC-1.2	For ø1.2 mm Pipette.
	HIC-1.5	For ø1.5 mm Pipette.
Injection Holder Set	IM-H3	For IM-21, Oil-type Injector.
Pipette Holder Clamper	HIK-5	Safe keep the injection holder tempo. (2 pcs/pkg)
Iron Plate	IP-5	To place the Injector, Magnetic Stand or Controller.
Tubing for pneumatic injector	CT-1	PTFE Tubing 2mm OD x 1M (for IM-21)
	CT-1-1.5	PTFE Tubing 2mm OD x 1.5M, for "Mild Response" (for IM-11-2, IM-HD1)
	CT-4	PTFE Tubing 2mm OD x 1.2M, for "Quick Response" (for IM-11-2, IM-HD1)

Consumables

Part Number	ltem	Description	Contents	Applicable Item
HI01PK01	Silicone Rubber Gasket	2.5mm OD x 5mm	10 pcs	HI-9、HIC
HI01PK02	Silicone Rubber Gasket	3mm OD x 5mm	10 pcs	HIC-1.2
IMO4	O-ring		3 pcs	IM-21
IMO10	O-ring		3 pcs	IM-11-2



27-9 Minamikarasuyama 4-Chome Setagaya-ku Tokyo 157-0062, Japan Phone: +81(0)3 3308-8233 Fax: +81(0)3 3308-2005 E-mail: sales@narishige.co.jp

NARISHIGE INTERNATIONAL USA. INC. 415 Bayview Avenue, Amityville, NY 11701, U.S.A. Phone: 631-229-3320 Fax: 631-841-0066 Toll Free: 1-800-445-7914 (within the USA). E-mail: info@narishige-usa.com

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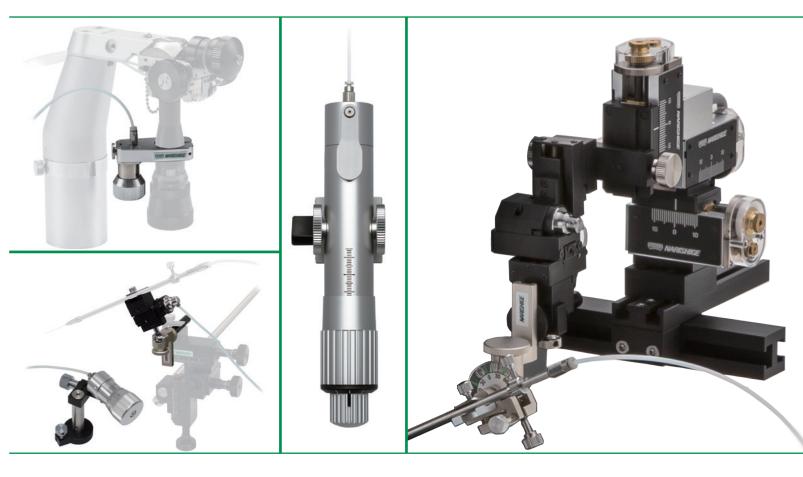
	Mounting	y Adaptor
ides of microscope	NN-H-5	
	NN-W	
es of microscope	NN-H-4	
oth sides of microscope		
ndenser	NO-PIX-5	
	NO-PIX-3	
	NL-18	
00B	NL-15	
	NL-3	
	NZ-24	
	NZ-19-2	
	P-10	
or All tion pillar may be possible.	Iron Plate (IP)	Magnetic Stand (GJ-1)

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



Injection System



Injection System

2021 01

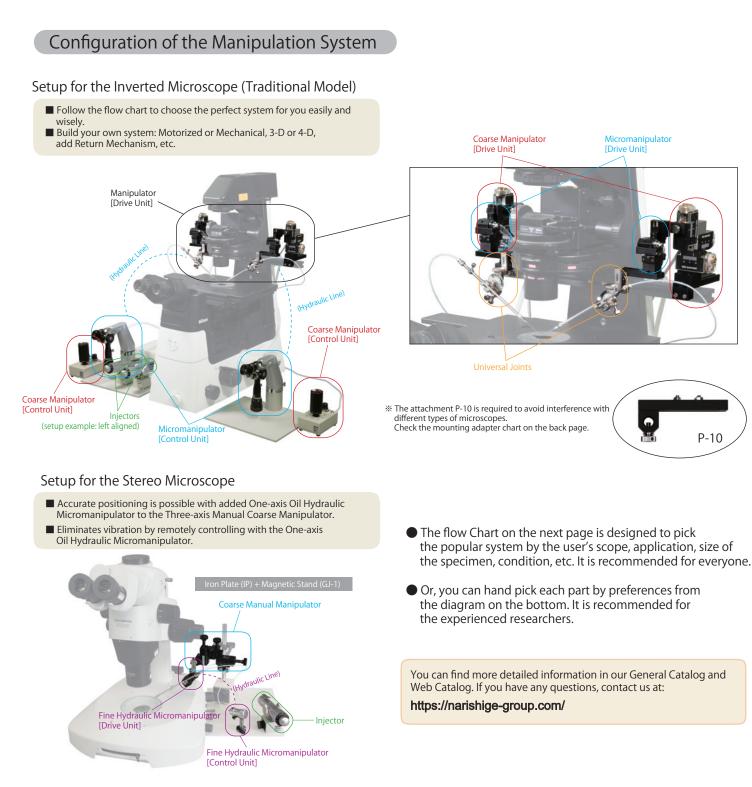
NARISHIGE

Offering suitable systems for all: either the beginner or the expert.

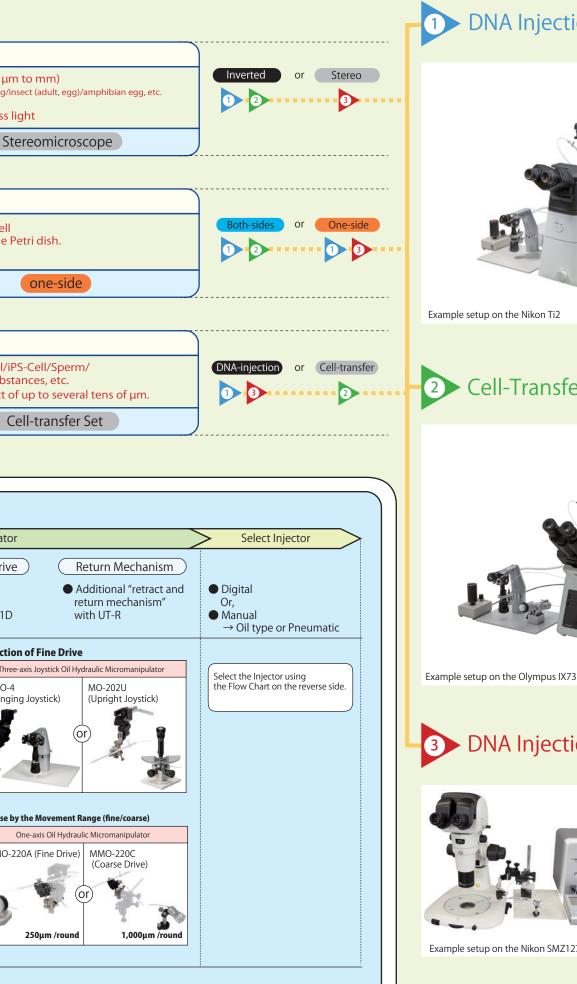
Choosing from a vast variety of products to accommodate the system whether for well-established or experimental research.

The standard system for cell handling / solution injection.

Combination of Motorized Coarse Drive that performs with agility and simple handling and Oil Hydraulic Fine Drive that performs with response true to an operator's hand. It has been achieving the high trust from laboratories worldwide in the field of Genetic, Animal Husbandry, Developmental Biology, Reproductive Biology, and so on.



	1. Size and Tra	nsparency of the Spe	cimen
<u>–</u>	 Small (up to200 μm such as ovum/embryo of plant cell, etc. 	n) mammalian and ascidian,	 Large (200 μm such as fish egg/inst
0 V O	Light Transmittable	e microscope	Hard to pass li Steep
Cha	Inverted		Ste
rt (R			
eco	2. Fixation met	nod	
Flow Chart (Recommended for all)	 Floating cell : to be held with the 	e holding pipette.	Adherent cell : Fixed to the Portion of the Port
ndeo	Bot	th sides	
all)	3. What to be I	njected	
	DNA/mRNA/ fluore	scent dye, etc.	Cell/ES-Cell/iP Foreign Substa
	Liquid/Fluid		Solid object of
	DNA-in	jection Set	Ce
	Select Adaptor	>	Select Manipulator
		Coarse Drive	
	Select by model of the microscope	 both sides Or, Or, Or, 	• 3D Or,
\cap		● One-side ● Manual	• 3D + 1D
hoc	List of the mounting	Selection of Coarse Drive	Selectio
ese	List of the mounting adaptor is on the reverse side.	Coarse Manipulator MM-94 (Motorized) MN-4 (Ma	anual) MMO-4
t vc	Popular microscope has its own designated		(Hangin
he F	adaptor.	or 🐨	
art			
noose by the Parts (for Expert)			
Υ Π Χ			Choose by
Der		Coarse Manipulator Suitable for Stereomicroscop	e MMO-22
ť		2 Martin	WIWIO-2.
		The second se	3
		M-152 (Manual)	
	· · · · · · · · · · · · · · · · · · ·		



* More selections are available other than listed in this catalog.

DNA Injection System for Inverted Microscope



Manual Coarse Manipulator MN-4 is also available.

For the microinjection such as DNA injection into pronucleus or cytoplasm of mouse embryo. Standard system is 3D + 1D (direction of pipette) with digital injector for adherent cell using the straight pipette.

Both-side One-side Inverted Microscope DNA-injection

Recommended System < for floating cell> Both-sides Fine I	Drive/3D
MM-94/MM-94B	1each
MMO-4	×2
IM-400	×1
IM-HD1	×1
Mounting Adaptor *It is required external pre Popular System <for adherent="" cell=""> One-side Fine drive/3D+</for>	
MM-94	×1
MMO-4	×1
MMO-220A	×1
IM-400	×1
Mounting adaptor	

*It is required external pressure supply.

 $\times 1$

2 Cell-Transfer System for Inverted Microscope

oth-sides Inverted Microscope Cell-Transfer

For transferring and holding of floating cell such as somatic/ES cell of the mammalian (mice/rats/swine/bovine) embryos/oocytes.

Standard system includes two manipulators for each side of the scope, and two manual injectors for the injection and holding.

Recommended Setup <with Coarse-Motorized set>

MM-94/MM-94B	1each
MMO-4	×2
IM-11-2	×1
IM-HD1	×1
Mounting Adaptor	
Recommended Setup <with coarse-manual="" set=""></with>	
MN-4	×2
MMO-4	×2
IM-11-2	×1

Manual Coarse Manipulator MN-4 is als	so av

Mounting Adaptor 3 DNA Injection System for Stereomicroscope



Example setup on the Nikon SMZ1270

One-side Stereomicroscope DNA-injection

Suitable for sample up to several millimeters such as fish/amphibian eggs, insects (adults/eggs), Echinoderm larvae under stereo microscope. Suitable for DNA-injection for various animals utilizing genome editing technique CRISPR-Cas9. Installation using a Magnetic Stand gives the flexibility for the setups.

IM-HD1

ecommended Setup	
M-152	×1
(GJ-1/IP)	
MMO-220C	×1
M-400	×1
	*It is required external pressure supply.