



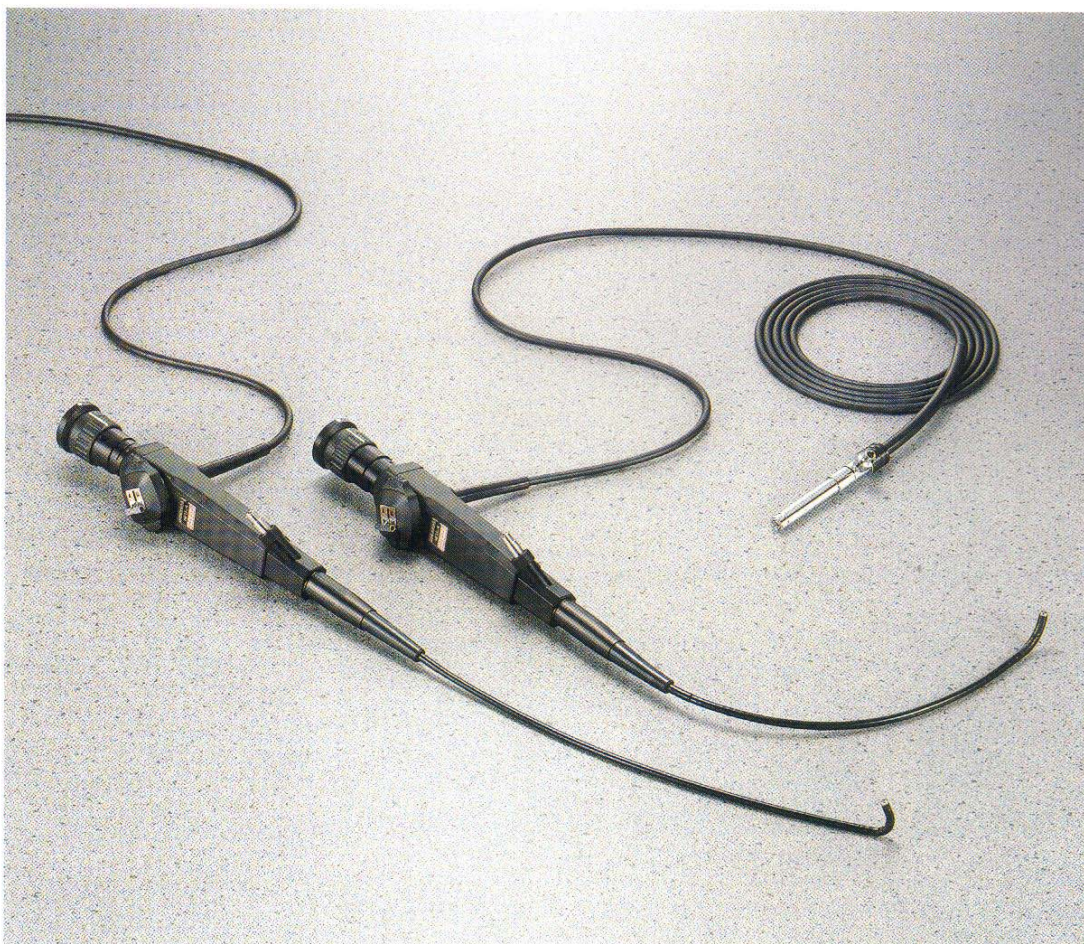
MEDI NIPPON
healthcare pvt ltd

MACHIDA

FLEXIBLE NEURO-ENDOSCOPE

NEU-4 NEU-4L

**This easy-to-use endoscope system assures
safe operation**



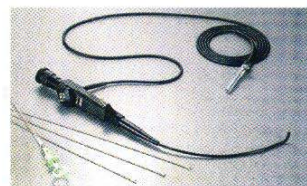


FLEXIBLE NEURO-ENDOSCOPE **NEU-4L**

A newly designed optics system and large channel (2.0 mm in diameter) contribute to improved performance in procedures and measures.

Features

- A large channel diameter of 2.0 mm permits various surgical devices to be used, shortening the operating time and providing more comprehensive care.
- A brand-new optics system provides a broader field of view and produces clearer, sharper images. The field of view is wide enough to accommodate procedures for treating hydrocephalus, cerebral tumors, and other cerebral problems.
- The light guide is longer than conventional devices, allowing peripheral devices to be set up at a distance from the patient.



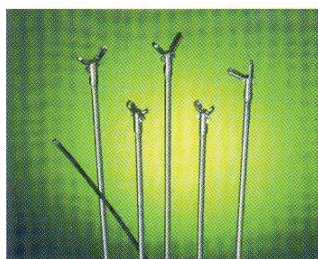
Specifications

Tolerance : $\pm 5\%$ (* Item with : $\pm 10\%$)

Working Length	300mm
Flexible Part, Diameter	$\phi 4.8\text{mm}$
* Channel Diameter	$\phi 2.0\text{mm}$
* Angle of Vision	80°
* Angle Deflection	UP 90° / DOWN 90°
Light Guide Length	3,000mm

Forceps (Autoclavable)

These forceps have been developed for use with the NEU-4L, and can be sterilized in an autoclave.



- Features**
- Biopsy forceps (NBF-2007S, NBF-2007SH, NBF-2007MS) use a large-sized cup to enable good retrieval, and have sharp double blades that cut and extract tissues efficiently.
 - Forceps for picking up foreign body (NCF-2007S and NCF-2007M) are shaped for delicate maneuvers such as holding slippery shunt tubes. The optimum forceps can be selected according to the type of foreign body.
 - Because the NEU-4L provides a narrow flexible part (1.5 mm in diameter) for biopsy forceps and forceps for picking up foreign body while still allowing ample irrigation in the channel, endoscopic images remain clear at all times.

Specifications

Working length	: 700mm
Tip diameter	: $\phi 2.0\text{mm}$
Flexible Part, Diameter	: $\phi 1.5\text{mm}$

	Biopsy forceps			Foreign Body Forceps	
	Standard	With Window	One-side Open	Crocodile	Utility
Model	NBF-2007S	NBF-2007SH	NBF-2007MS	NCF-2007M	NUF-2007M
Remarks	For NEU-4L	For NEU-4L	For NEU-4L	For NEU-4L	For NEU-4L

Other surgical instruments (non-autoclavable)

Features

- These Flexible Bipolar Coagulation Electrode (HZ-1005B) have been developed specifically for use with the NEU-4 and NEU-4L, and allow for prompt treatment and coagulation in plexus choroideus thermocauterectomy and other blood-stanching procedures.
- The Flexible Injection Needle (IN-2007A1) is designed for clean, sharp puncturing and assures that medications will reach the intended site without mishap. The needle can also be used for puncturing suction of cystic tumors and similar procedures.
- The Cannulation Tube (CT-2008) enables selective cleaning and injection of contrast media using an endoscope.

Specifications

Tolerance : $\pm 10\%$
Working length : 494mm
Flexible Part, Diameter : $\phi 1.0\text{mm}$

Specifications

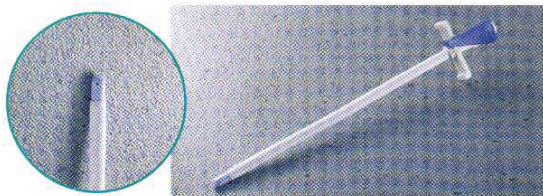
Tolerance : $\pm 10\%$
Working length : 680mm
Flexible Part, Diameter : $\phi 2.0\text{mm}$

Specifications

Tolerance : $\pm 5\%$
Working length : 800mm
Flexible Part, Diameter : $\phi 1.8\text{mm}$

	High-frequency Procedure Device	Flexible Injection Needle	Cannulation Tube
	Flexible Bipolar Coagulation Electrode		
Model	HZ-1005B	IN-2007A1	CT-2008
Remarks	For NEU-4/4L (2/set)	For NEU-4L	For NEU-4L (2/set)

Neuro Introducer Sheath **NIS-16N** (for NEU-4/NEU-4L) **Features**



This Neuro Introducer Sheath has a round tip and a locking grip for improved safety and maneuverability in puncturing, and is designed specifically for use with the NEU-4 and NEU-4L.

Specifications

Not sterilized(10/set)

Outer Diameter (Dilator)	16 Fr
Total Length	200mm



FLEXIBLE NEURO-ENDOSCOPE **NEU-4**

This endoscope system is not only easy to use, but assures safe operation as well.

Features

- Outstanding resolution is achieved for monitoring inside narrow cerebral ventricles and in close proximity to deep areas of adjacent ventricles, providing a sharp, clear operating field.
- The channel allows tissue biopsies, high-frequency procedures, and other operations to be conducted despite the narrow insertion part of the endoscope.
- The light guide is longer than conventional devices, allowing light source and video camera to be set up at a distance from the patient.



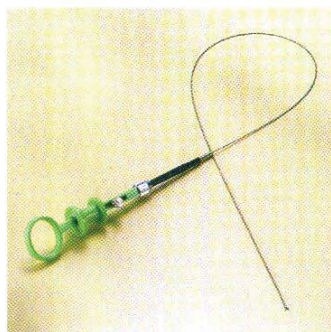
Specifications

Tolerance : $\pm 5\%$ (* Item with : $\pm 10\%$)

Working Length	300mm
Flexible Part, Diameter	$\phi 4.2\text{mm}$
* Channel Diameter	$\phi 1.1\text{mm}$
* Angle of Vision	75°
* Angle Deflection	UP 130° / DOWN 100°
Light Guide Length	3,000mm

■ Biopsy Forceps

Small-diameter biopsy forceps specially designed for the NEU-4. The outer diameter is only 1.0 mm, yet the forceps cut cleanly and sharply.

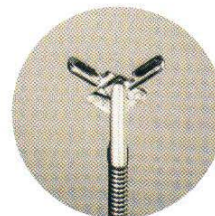


	Biopsy forceps Standard
Model	BF-1005
Remarks	2/set

Specifications

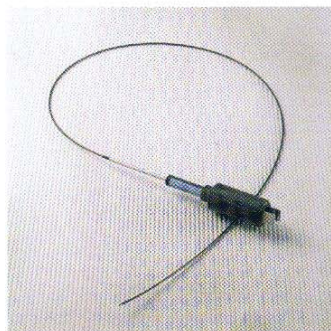
Tolerance : $\pm 10\%$

Working Length	500mm
Flexible Part, Diameter	$\phi 1.0\text{mm}$



■ Flexible Bipolar Coagulation Electrode

This Flexible Bipolar Coagulation Electrode has an ultra-small diameter of only 1.0 mm. Designed for use in thermocautery of the plexus choroideus and other blood-stanching procedures; it assures rapid treatment and coagulation.

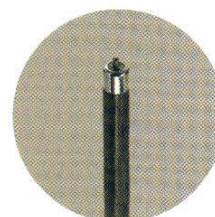


	High frequency device Flexible Bipolar Coagulation Electrode
Model	HZ-1005B
Remarks	2/set

Specifications

Tolerance : $\pm 10\%$

Working Length	494mm
Flexible Part, Diameter	$\phi 1.0\text{mm}$



Options

■ Peripheral Devices



**Light Source
RX-3300**

A xenon lamp provides a high volume of light at 300 W, so sharp and clear endoscopic images can be produced on a TV monitor.



**3-CCD Video Camera System
MV-5000**

This 3-CCD camera uses an ultra-lightweight camera head for high image quality. High-fidelity reproduction and a wealth of detailed information contribute to endoscopic viewing with superb image quality.



**Water Leakage Tester
WT-1**

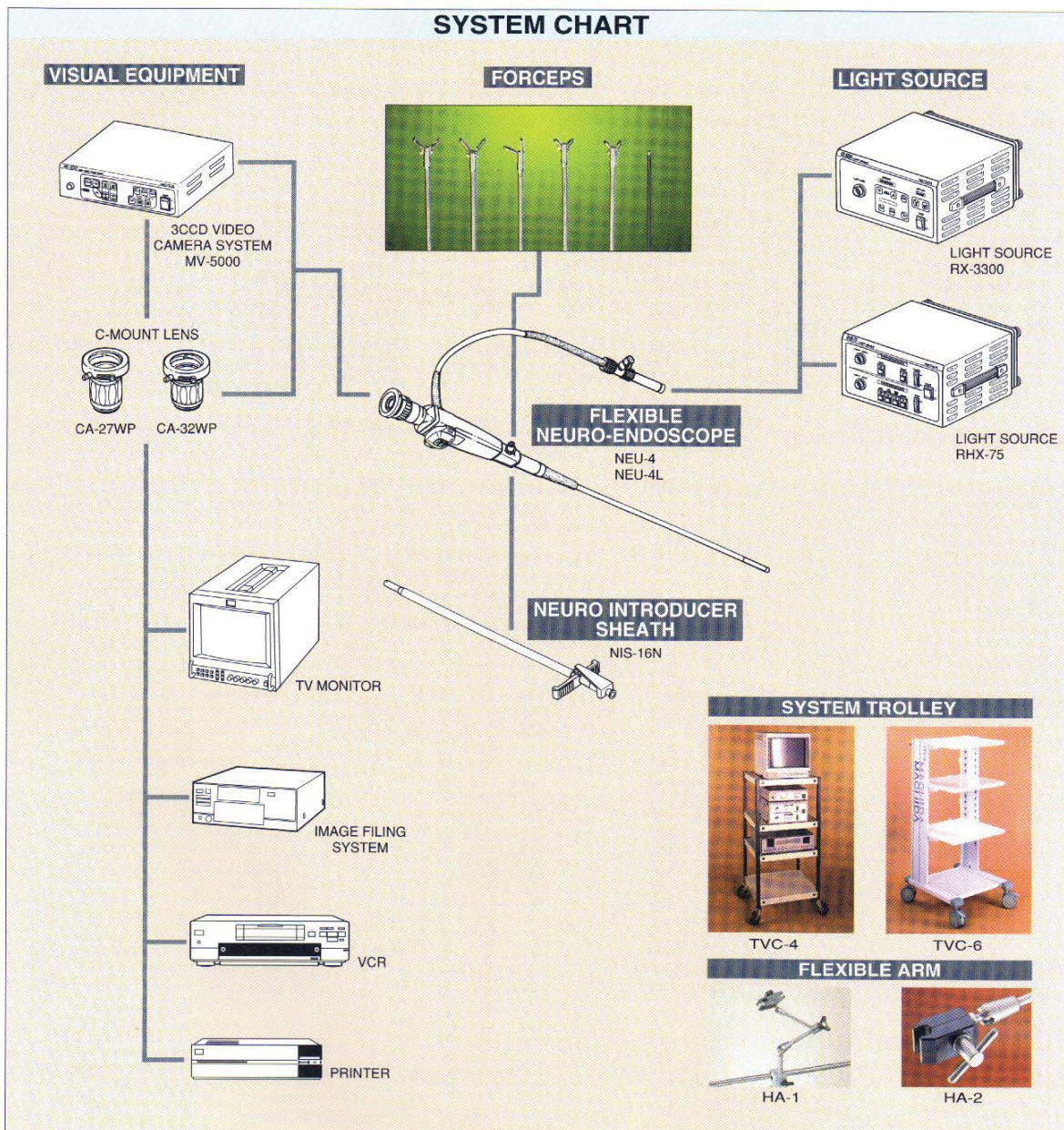
This tester examines water-proofing performance by feeding compressed air into the endoscope which is immersed in water and checking for air bubbles.



**Flexible Arm
HA-1/HA-2**

Each joint of this arm is released and locked smoothly with a single action so that the endoscope can be moved freely to any position.

SYSTEM CHART



For further queries contact:

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