

The image features a large, stylized circular graphic on the right side, containing a grayscale ultrasound image of a circular structure, possibly a blood vessel or a lesion. To the left of this main graphic are two smaller circular insets. The top inset shows a close-up of an endoscopic probe with a control handle. The bottom inset shows a close-up of the probe's tip, which has a lens and a small light source. Below these insets, the text "ENDOSCOPIC ULTRASOUND SYSTEMS" is written in a bold, white, sans-serif font. The background of the entire image is a dark teal color with a subtle grid pattern. The overall design is modern and professional, emphasizing the technological nature of the equipment.

# ENDOSCOPIC ULTRASOUND SYSTEMS

**FUJIFILM**  
Value from Innovation

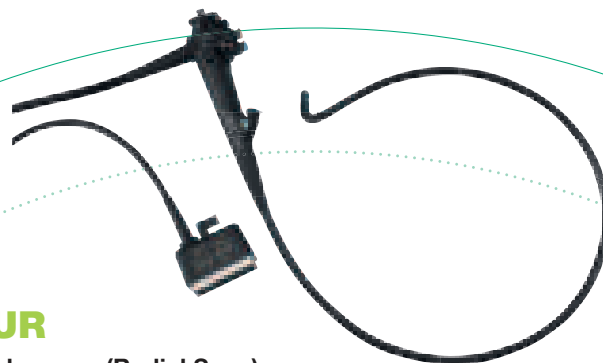
A man and a woman in white lab coats are looking at a medical device. The man is holding a black probe connected to a cable. The background is a dark teal color with a large, circular, concentric pattern resembling an ultrasound image or a medical device's internal structure. The overall tone is professional and clinical.

**DISCOVER HIGH-PRECISION DIAGNOSES AND PROCEDURES**

# NEW ENDOSCOPIC ULTRASOUND

Ultrasonography revolutionized the clinical approach to patients with digestive and respiratory diseases. Nowadays ultrasonography is being used widely to examine and visualize internal body structures for possible lesions, supporting definitive diagnosis and helping doctors to decide on suitable treatment methods.

# SYSTEMS



## EG-580UR

### Ultrasonic Endoscope (Radial Scan)

- Smaller bending radius and shorter rigid section for great approach ability
- Slim distal end diameter of 11.4 mm for improved insertion
- 2.8 mm working channel diameter for enhanced suction power



## SU-1

### Endoscopic Ultrasonic Processor

- High-resolution B-Mode images
- Various imaging modes
- User-friendly, easy-to-clean, flat keyboard for use by touch panel and touch pad



## EG-580UT

### Ultrasonic Endoscope (Curved Linear Array Scan)

- Smaller bending radius and shorter rigid section
- Forceps Elevator Assist ensures a steady maximum UP forceps elevation
- Wide puncture range enables FNA of target lesions from a variety of positions
- 40° front oblique view and 140° endoscopic field of view



# **SU-1** PROVIDES ADVANCED IMAGE IN A COMPACT DEVICE

The new Fujifilm ultrasonography processor SU-1 is equipped with proprietary image processing technology with the aim of supporting accurate diagnoses with a variety of imaging modes including the high-resolution B-Mode.



Used in combination with the new ultrasonic video endoscopes EG-580UR (radial scan) and EG-580UT (curved linear array scan), the new compact SU-1 system supports a wide range of ultrasonography procedures.



# PROCESSING TECHNOLOGY

## HIGH RESOLUTION B-MODE -H- -S-

With a new ultrasonic wave transmission and reception design, the development of a proprietary image processing technology and high-sensitivity transducers, the SU-1 achieved a significant improvement in high-resolution B-mode images. Pinpointing of the affected area, small vessels or pancreatic ducts can be viewed clearly, thus supporting accurate evaluation of the affected area and high-precision ultrasonographic results.



EG-580UR

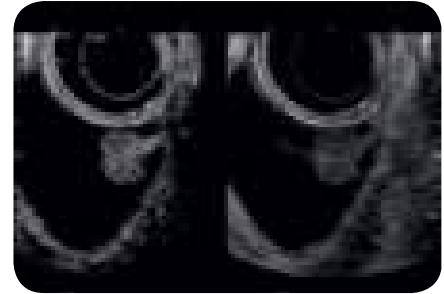


EG-580UT

# VARIOUS IMAGING MODES

## **-H-** **CHI (CONTRAST HARMONIC IMAGING)\***

Images are created by extracting and emphasizing higher harmonic signals generated by the injected contrast medium, assisting in the detection of tumors and abnormal growths.

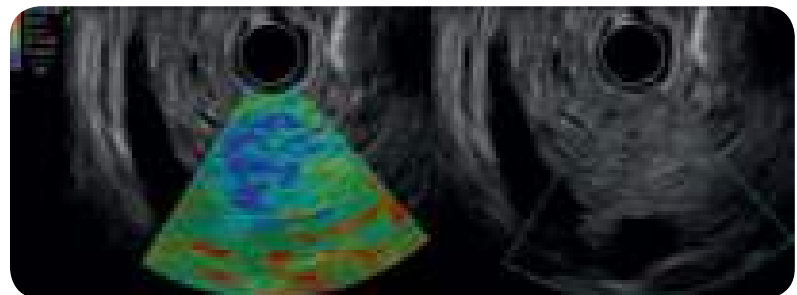


CHI Mode

B Mode

## **-H-** **ELASTOGRAPHY\***

Relative stiffness of the tissue is visualized as a color distribution map by calculating the distortion of the tissue caused by external compression or inner vibration, and displaying disparities in stiffness levels as different colors.

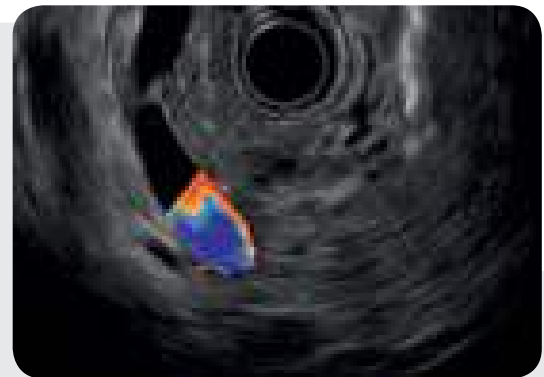


Elastography Mode

B Mode

## **-H-** **-S-** **COLOR DOPPLER**

Color Doppler obtains hemodynamic information. It helps to locate an observation site and blood flow. Improved sensitivity of Color Doppler can depict blood flow more precisely and reduce artifact.



\*CHI and Elastography modes are available only in SU-1 (Identifier **-H-**)

## **-H- -S- THI (TISSUE HARMONIC IMAGING)**

Images are configured using higher harmonic components that are generated when ultrasound waves are reflected by the body's tissue. By increasing resolution and reducing artifacts, this mode enables ultrasound image observation with reduced noise.



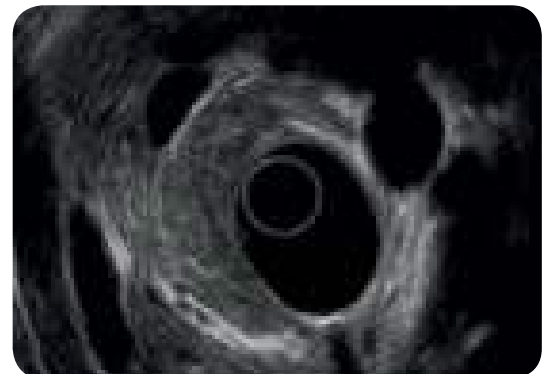
## **-H- -S- CH (COMPOUND HARMONIC IMAGING)**

This mode visualizes clear images in deep-lying areas while maintaining high-resolution images in shallow-lying areas to support accurate diagnoses.



## **-H- -S- SOUND SPEED CORRECTION**

Images are recomposed using the estimated optimal sound speed inside the body. With the SU-1, it is possible to set the ROI (region of interest) and display a clearer image of the targeted area.





# EG-580UT / EG-580UR PERFECT

Experience advanced therapeutic performance that allows more precise puncture and interventional procedures. Both the EG-580UR and EG-580UT are equipped with a Fujifilm high-resolution image sensor, High Resolution Super CCD, which ensures vivid and high-quality images. Together with a highly efficient optical lens, a wide range of data necessary for diagnosis can be obtained to enable accurate endoscope examinations.

A detailed view of the EG-580UT / EG-580UR endoscope, showing the control handle with various buttons and the long, flexible insertion tube. The background is a dark teal with a large, faint 'EG-580' watermark.

**G7 GRIP**

**SUPER  
CCD**



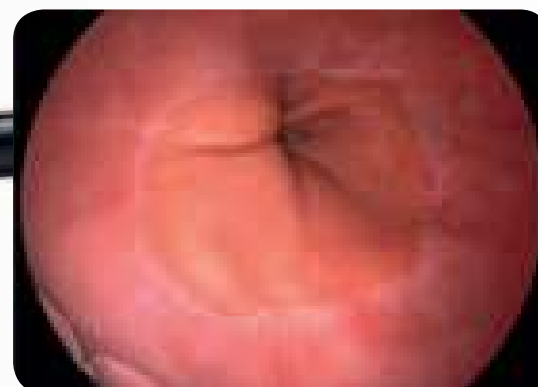
# SOLUTIONS

## NEW HIGHLY MANEUVERABLE FLEXIBLE PORTION

Materials for the flexible portion were completely reviewed, especially in terms of their elasticity, in order to enable enhanced maneuverability and insertion capabilities as well as torquability. Using the exclusive new material, the flexible portion is designed to be harder at the control portion side and becomes gradually flexible towards the distal end side for better pushability.



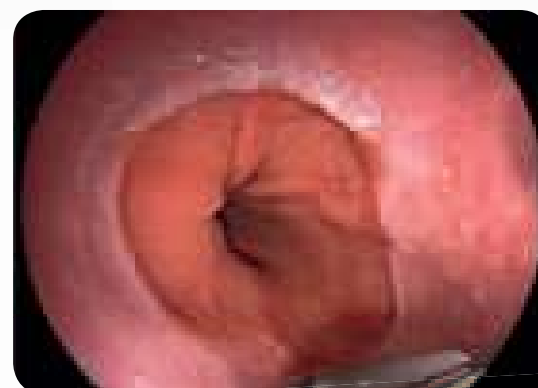
## HIGH-RESOLUTION ENDOSCOPIC IMAGES



EG-580UR

## NEW OPERATION-FRIENDLY CONTROL PORTION: G7 GRIP

We have renewed the layout and size of the components of the control portion and repositioned the angulation knobs to increase accessibility from the grip. The new G7 grip is designed to have an easy and comfortable feel to optimize the performance and to minimize the stress during clinical procedures.



EG-580UT

**ULTRASONIC ENDOSCOPE (CURVED LINEAR ARRAY SCAN)**

# **EG-580UT** PRECISE THERAPEUTIC

The endoscope with a smaller bending radius and a shorter rigid section enables easier access to the targeted areas. A wide puncture range enables FNA from a variety of positions to achieve a broader accessibility. The 40° front oblique view and 140° endoscopic field of view reduce stress during the insertion process. Combined with powerful 150° up angulation, the scope is suitable for both observation and therapeutic procedures.



**EASY TO  
CONTROL BY  
ELEVATOR  
ASSIST**

# PERFORMANCE

## FORCEPS ELEVATOR ASSIST



The Forceps Elevator Assist function ensures a steady maximum UP forceps elevation when the lever on the control portion is pulled down completely and clicks into place.



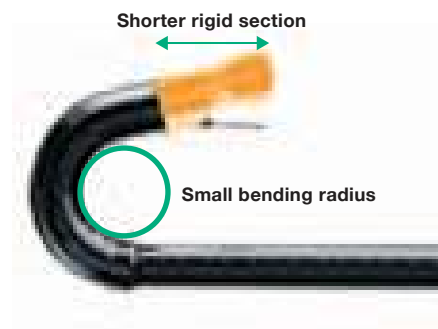
This function reduces strain on thumb caused by repeatedly operating the lever during procedures. It also enables flexible and subtle endoscopic operations during therapeutic procedures and supports stable puncture trajectory.



Hold maximum UP forceps elevator

**22Ga**  
— Forceps Elevator DOWN  
— Forceps Elevator UP

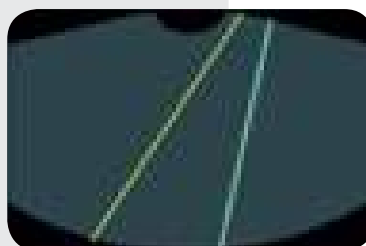
## GREAT APPROACH ABILITY



## 40° FRONT OBLIQUE 140° ENDOSCOPIC FIELD



## WIDE PUNCTURE RANGE



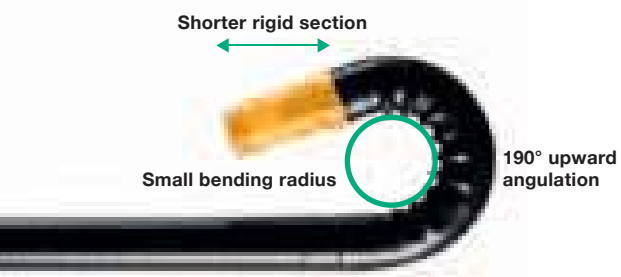
# EG-580UR EXCELLENT MOBILITY &



Together with the shorter rigid section, the distal end is highly maneuverable. The enhanced maneuverability makes it easier to approach in retroflex observation of fundus and cardia. Equipped with a slim distal end diameter of 11.4 mm, round tip design and a direct forward view, the EG-580UR can be inserted into narrow lumen just like in a standard gastroscopic procedure usage. An upward bending capability of 190° allows the endoscope to be operated almost in the same way as a standard gastroscope.

# MANEUVERABILITY

## GREAT APPROACH ABILITY

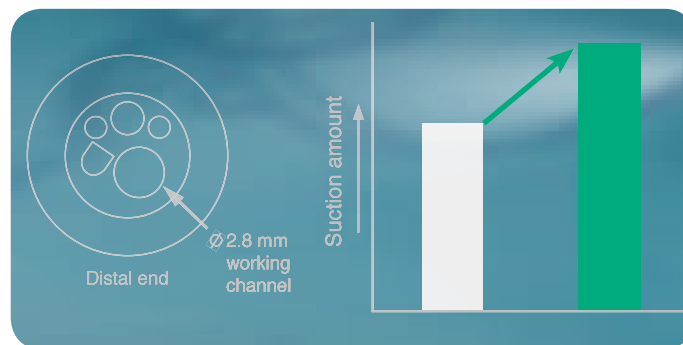


## SLIM 11.4 MM DISTAL END DIAMETER



## Ø 2.8 MM WORKING CHANNEL SUPPORTING IMPROVED SUCTION POWER

Suction performance is increased by adopting a larger working channel of Ø 2.8 mm. By quickly suctioning blood and bodily fluids, clear view can be obtained during endoscopic observation.



Current model EG-580UR

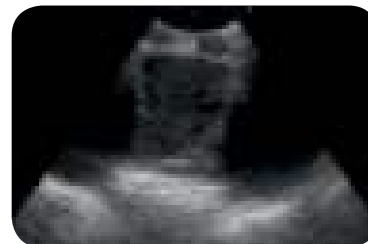
# EB-530US

Ultrasonic Bronchoscope offering full support for observation, diagnosis, and treatment of lesions and tissue collection in the bronchial region. Equipped with the Super CCD at the tip of endoscope, this ultrasonic bronchoscope offers high-resolution endoscopic images.



## DISTAL END OUTER DIAMETER OF 6.7 MM

The ultra-slim endoscope with a distal end outer diameter of 6.7 mm reduces patient discomfort and improves maneuverability and insertion capability.



## EQUIPPED WITH THE SUPER CCD

## MULTILATERAL APPROACHES TO IMPROVING MANEUVERABILITY

Full support for observation, diagnosis, and treatment of lesions and tissue collection in the bronchial region. Multilateral efforts improve maneuverability for safer diagnoses.

### Paracentesis while constantly monitoring the position of the needle with 10° forward oblique view

The use of the 10° forward oblique view and optimal positioning of the ultrasonic transducer improve maneuverability and safety during paracentesis. The opening of the forceps channel is constantly displayed in an endoscopic image to help locate the puncture needle.

### Two lights to support paracentesis

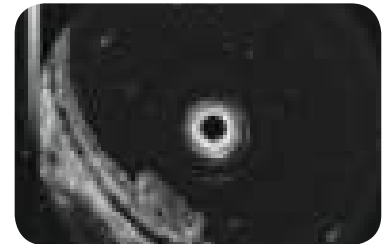
Two lights on opposite sides illuminate the front and eliminate shadows during paracentesis. An appropriate needle angle facilitates smooth paracentesis at the target site.

### Appropriate bending angle for easy paracentesis

A large bending angle facilitates paracentesis at the target site.

# SP702

A small high-performance user-friendly system to improve examination efficiency and diagnostic capability during ultrasonographic diagnosis. This small, lightweight system with improved installation performance can be a stand-alone system or set in an existing endoscopy system.



## THE SMALL CONTROL PAD CAN EASILY DISPLAY A SPECIFIC IMAGE

The Cine Memory function allows retrieval of any image within 2.5 seconds before freezing, eliminating concerns about the timing of freezing.

## ULTRASONOGRAPHY PERFORMED ANYTIME DURING ROUTINE ENDOSCOPY

Ultrasonographic examination of the region of interest is easily and quickly performed during endoscope examination in a way similar to that of a biopsy.



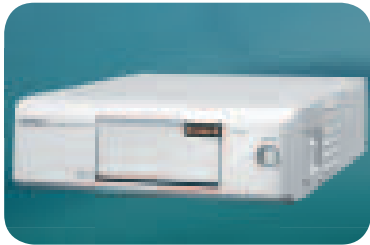
## CLEAR IMAGES WITHOUT ROTATION IRREGULARITIES

Shortening of the distal rigid portion and optimization of the inner structure ensure clear images without rotation irregularities even when the endoscope is bent.



# TECHNICAL SPECIFICATIONS

## SU-1



### Endoscopic Ultrasonic Processor SU-1 -H- SU-1 -S-

Power supply	Power rating	AC 100–240 V
	Frequency rating	50 Hz / 60 Hz
	Power consumption	2.0–1.2 A
Size	Dimensions	390 x 135 x 485 mm
	Weight	13 kg
Ultrasonography image display	Scanning method	Electronic scanning
	Probe types	Curved linear array / Radial
	Scanning modes	B, M, CD, PD, PW, THI, and CH
Received signal processing	Special modes*	Elastography / CHI
	Received gain correction	0–100, 2-step
	STC	6-step gain settings per depth
	Sound speed correction	Full screen ROI settings
Display	Dynamic Range	40–100, 5-step
	PinP	Endoscopic / Ultrasound Imaging
Applicable	Observation screen	Hospital / Date / Time / Patient
	Curved linear array	EG-580UT, EG-530UT2, and EB-530US
Frequency	Radial	EG-580UR and EG-530UR2
		5 MHz, 7.5 MHz, 10 MHz, and 12 MHz
Image input terminal	DVI image input terminal	1

Image output terminals	Video terminal	1
	S-video terminal	1
	RGB TV terminal	1
	DVI terminal (digital)	1
	DVI terminal (digital / analog)	1
Sound output	HD-SDI terminal	2
	RCA terminal	1
Control terminal	Remote terminal	2
	Remote terminal (input)	1
	RS-232C terminal	1
	Keyboard terminal	1
	Foot switch terminal	1
Measurement function	Network terminal	1
	Measurement items	Distance, perimeter, area, volume, and flow speed
Storage	Data formats	JPEG, TIFF, and DICOM
	Storage device	Internal / External memory (USB)
	Cine memory	Storage / Playback
Accessories		Keyboard and foot switch

\*CHI and Elastography modes are available only in SU-1 (Identifier -H-)

# EG-580UR



Ultrasonic Endoscope (Radial Scan) EG-580UR

Endoscopic functions	Viewing direction	0°
	Observation range	3–100 mm
	Field of view	140°
	Distal end diameter	11.4 mm
	Flexible portion diameter	11.5 mm
	Bending capability	Up 190° / Down 90° Right 100° / Left 100°
	Working length	1,250 mm
	Overall length	1550 mm
	Working channel diameter	2.8 mm
Ultrasonic functions	Scanning mode	Color Doppler, Power Doppler, Pulse Doppler, B mode, M mode
	Scanning method	Electronic radial scan
	Scanning angle	360° (in combination with SU-1)
	Frequency	5 MHz / 7.5 MHz / 10 MHz / 12 MHz

Generic Name: Gastroduodenoscope, flexible, ultrasonic

# EG-580UT



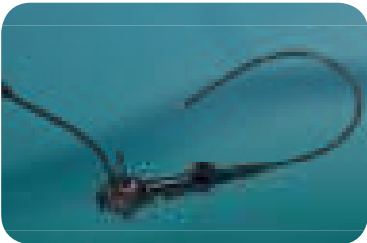
Ultrasonic Endoscope (Curved Linear Array) EG-580UT

Endoscopic functions	Viewing direction	40° (Forward oblique)
	Observation range	3–100 mm
	Field of view	140°
	Distal end diameter	13.9 mm
	Flexible portion diameter	12.4 mm
	Bending capability	Up 150° / Down 150° Right 120° / Left 120°
	Working length	1,250 mm
	Overall length	1,550 mm
	Working channel diameter	3.8 mm
Ultrasonic functions	Scanning mode	Color Doppler, Power Doppler, Pulse Doppler, B mode, M mode
	Scanning method	Electronic curved linear array scan
	Scanning angle	150° (in combination with SU-1)
	Frequency	5 MHz / 7.5 MHz / 10 MHz / 12 MHz

Generic Name: Gastroduodenoscope, flexible, ultrasonic

TECHNICAL SPECIFICATIONS

EB-530US



Ultrasonic Bronchoscope EB-530US

Endoscopic functions	Viewing direction	10° (Forward oblique)
	Observation range	3–100 mm
	Field of view	120°
	Distal end diameter	6.7 mm
	Flexible portion diameter	6.3 mm
	Bending capability	Up 130° / Down 90°
	Working channel diameter	2.0 mm
	Working length	610 mm
	Overall length	880 mm
Ultrasonic functions	Scanning mode	Color Doppler, Power Doppler, Pulse wave, B mode, M mode
	Scanning method	Electronic curved linear array scan
	Scanning angle	65°(Combination with SU-1 and SU-8000)
	Frequency	5 MHz / 7.5 MHz / 10 MHz / 12 MHz

Generic Name: Bronchoscope, flexible, ultrasound

SP702



Ultrasonic Probe SP702

Video system	NTSC / PAL
Power requirements	120 V or 230 V
Consumption	0.8A (120 V) 0.5A (230 V)
Display mode	B mode
Scanning mode	Mechanical radial
Scanning range	20-120mm 360°
Usable frequencies	7.5 MHz, 12 MHz, 15 MHz, 20 MHz, 25 MHz
Dimensions W×H×D	188 mm × 102 mm × 443 mm
Weight	6.5 kg

Generic Name: Ultrasound system, imaging, general-purpose

Model name	Working length	Outer diameter	Frequency
P2625-M	M Type 2120mm	2.6 mm	25 MHz
P2620-M			20 MHz
P2615-M			15 MHz
P2612-M			12 MHz
P2020-M		2.0 mm	20 MHz
P2015-M			15 MHz
P2012-M			12 MHz
P2620-L			20 MHz
P2615-L	L Type 2620mm	2.6 mm	15 MHz
P2612-L			12 MHz

Generic Name: Transducer assembly, ultrasound, diagnostic, intracorporeal, surgical

# 360° SERVICE

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