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.
**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, also available with trackball keyboard

**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
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.
HIGH RESOLUTION B-MODE

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.
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.

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.

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 [SU1])
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.

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.

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.
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 sensitive and high-quality images. Together with a highly efficient optical lens, a wide range of brilliant picture necessary for diagnosis can be obtained.
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.

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.
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.
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.

GREAT APPROACH ABILITY

- Shorter rigid section
- Small bending radius

40° FRONT OBLIQUE
140° ENDOSCOPIC FIELD

WIDE PUNCTURE RANGE
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
- Shorter rigid section
- Small bending radius
- 190° upward angulation

Ø 2.8 MM WORKING CHANNEL SUPPORTING IMPROVED SUCTION POWER

Suction performance is increased by adopting a larger working channel of Ø2.8 mm. By quickly suctioning blood and bodily fluids, clear view can be obtained during endoscopic observation.

SLIM 11.4 MM DISTAL END DIAMETER

Current model EG-580UR
**ULTRASONIC BRONCHOSCOPE**

**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.

**Biopsy 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 biopsy. The opening of the working channel is constantly displayed in an endoscopic image to help locate the puncture needle.

**Two lights to support biopsy**

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

**Appropriate bending angle for easy biopsy**

A large bending angle facilitates biopsy 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**
  - **Power supply**
    - Power rating: AC 100–240 V
    - Frequency rating: 50 Hz / 60 Hz
    - Power consumption: 2.0–1.2 A
  - **Size**
    - Dimensions: 390 × 135 × 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
    - Special modes*: Elastography / CHI
  - **Received signal processing**
    - Received gain correction: 0–100, 2-step
    - STC: 6-step gain settings per depth
    - Sound speed correction: Full screen ROI settings
    - Dynamic Range: 40–100, 5-step
  - **Display**
    - PinP: Endoscopic / Ultrasound Imaging
    - Observation screen: Hospital / Date / Time / Patient
  - **Applicable**
    - Curved linear array: EG-580UT, EG-530UT2, and EB-530US
    - Radial: EG-580UR and EG-530UR2
  - **Frequency**
    - 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
- HD-SDI terminal: 2

#### Sound output

- RCA terminal: 1

#### Control terminal

- Remote terminal: 2
- Remote terminal (input): 1
- RS-232C terminal: 1
- Keyboard terminal: 1
- Foot switch terminal: 1
- Network terminal: 1

#### Measurement function

- 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] - S).*
### EG-580UR

**Ultrasonic Endoscope (Radial Scan) EG-580UR**

<table>
<thead>
<tr>
<th>Endoscopic functions</th>
<th>Viewing direction</th>
<th>0°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
<td></td>
</tr>
<tr>
<td>Field of view</td>
<td>140°</td>
<td></td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>11.4 mm</td>
<td></td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>11.5 mm</td>
<td></td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 190° / Down 90° / Right 100° / Left 100°</td>
<td></td>
</tr>
<tr>
<td>Working length</td>
<td>1,250 mm</td>
<td></td>
</tr>
<tr>
<td>Overall length</td>
<td>1,550 mm</td>
<td></td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>2.8 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Ultrasonic functions</strong></td>
<td>Scanning mode</td>
<td>Color Doppler, Power Doppler, Pulse Doppler, B mode, M mode</td>
</tr>
<tr>
<td>Scanning method</td>
<td>Electronic radial scan</td>
<td></td>
</tr>
<tr>
<td>Scanning angle</td>
<td>360° (in combination with SU-1)</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>5 MHz / 7.5 MHz / 10 MHz / 12 MHz</td>
<td></td>
</tr>
</tbody>
</table>

**Generic Name:** Gastroduodenoscope, flexible, ultrasonic

### EG-580UT

**Ultrasonic Endoscope (Curved Linear Array) EG-580UT**

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

**Generic Name:** Gastroduodenoscope, flexible, ultrasonic
**Ultrasonic Bronchoscope EB-530US**

<table>
<thead>
<tr>
<th>Endoscopic functions</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Viewing direction</td>
<td>10° (Forward oblique)</td>
<td></td>
</tr>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
<td></td>
</tr>
<tr>
<td>Field of view</td>
<td>120°</td>
<td></td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>6.7 mm</td>
<td></td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>6.3 mm</td>
<td></td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 130° / Down 90°</td>
<td></td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>2.0 mm</td>
<td></td>
</tr>
<tr>
<td>Working length</td>
<td>610 mm</td>
<td></td>
</tr>
<tr>
<td>Overall length</td>
<td>880 mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ultrasonic functions</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Scanning mode</td>
<td>Color Doppler, Power Doppler, Pulse wave, B mode, M mode</td>
<td></td>
</tr>
<tr>
<td>Scanning method</td>
<td>Electronic curved linear array scan</td>
<td></td>
</tr>
<tr>
<td>Scanning angle</td>
<td>65°(Combination with SU-1 and SU-8000)</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>5 MHz / 7.5 MHz / 10 MHz / 12 MHz</td>
<td></td>
</tr>
</tbody>
</table>

**Ultrasonic Probe SP702**

<table>
<thead>
<tr>
<th>Video system</th>
<th>NTSC / PAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power requirements</td>
<td>120 V or 230 V</td>
</tr>
<tr>
<td>Consumption</td>
<td>0.8A (120 V) 0.5A (230 V)</td>
</tr>
<tr>
<td>Display mode</td>
<td>B mode</td>
</tr>
<tr>
<td>Scanning mode</td>
<td>Mechanical radial</td>
</tr>
<tr>
<td>Scanning range</td>
<td>20-120mm 360°</td>
</tr>
<tr>
<td>Usable frequencies</td>
<td>7.5 MHz, 12 MHz, 15 MHz, 20 MHz, 25 MHz</td>
</tr>
<tr>
<td>Dimensions WxHxD</td>
<td>188 mm x 102 mm x 443 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>6.5 kg</td>
</tr>
</tbody>
</table>

**Generic Name:** Bronchoscope, flexible, ultrasound

**Generic Name:** Ultrasound system, imaging, general-purpose

**Model name**

<table>
<thead>
<tr>
<th>Model name</th>
<th>Working length</th>
<th>Outer diameter</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2625-M</td>
<td></td>
<td></td>
<td>25 MHz</td>
</tr>
<tr>
<td>P2620-M</td>
<td></td>
<td></td>
<td>20 MHz</td>
</tr>
<tr>
<td>P2615-M</td>
<td></td>
<td></td>
<td>15 MHz</td>
</tr>
<tr>
<td>P2612-M</td>
<td></td>
<td></td>
<td>12 MHz</td>
</tr>
<tr>
<td>P2020-M</td>
<td>M Type 2120mm</td>
<td>2.6 mm</td>
<td>20 MHz</td>
</tr>
<tr>
<td>P2015-M</td>
<td></td>
<td>2.0 mm</td>
<td>15 MHz</td>
</tr>
<tr>
<td>P2012-M</td>
<td></td>
<td>2.0 mm</td>
<td>12 MHz</td>
</tr>
<tr>
<td>P2620-L</td>
<td></td>
<td></td>
<td>20 MHz</td>
</tr>
<tr>
<td>P2615-L</td>
<td></td>
<td></td>
<td>15 MHz</td>
</tr>
<tr>
<td>P2612-L</td>
<td></td>
<td></td>
<td>12 MHz</td>
</tr>
</tbody>
</table>

**Generic Name:** Transducer assembly, ultrasound, diagnostic, intracorporeal, surgical
360° SERVICE

- Full Service
- Customer Care
- Training Courses
- Preparation & Hygienics
- High Quality Standards

Fujifilm
Value from Innovation