

The Olympus EBUS Solution

## EU-ME2

Universal ultrasound processor for curvilinear and radial EBUS.



# EU-ME2 Ultrasound Reprocessor

## For Curvilinear and Radial EBUS

This versatile system allows real-time visualization of the targeted area for precise sampling of lymph nodes and pulmonary lesions.

Its unique design supports electronic and mechanical scanning for both curvilinear and radial EBUS in one compact box.



## Functionality

New features expand available modes of observation, designed to assist in diagnosis and improved quality of care.



### B-mode:

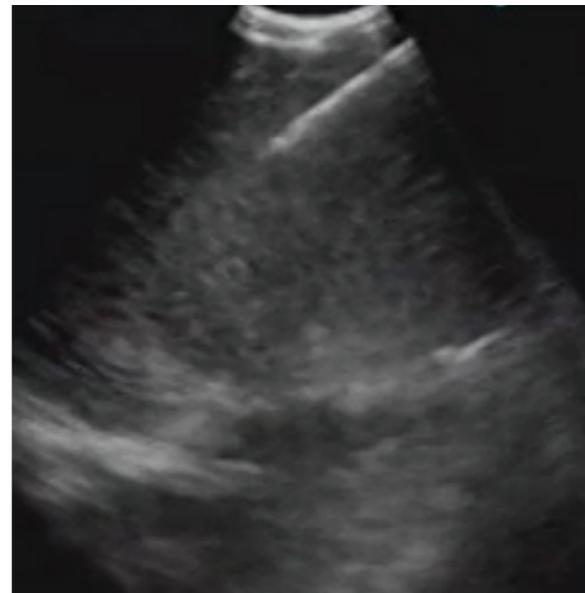
Enhanced image quality makes it possible to accurately identify tissue properties and boundaries for precise, real-time sampling.

### High Resolution (H) FLOW Modes:

Allows imaging of small vessels in the region of interest. It also helps to identify lymph node vascularity in real-time.

## Backward and forward compatibility

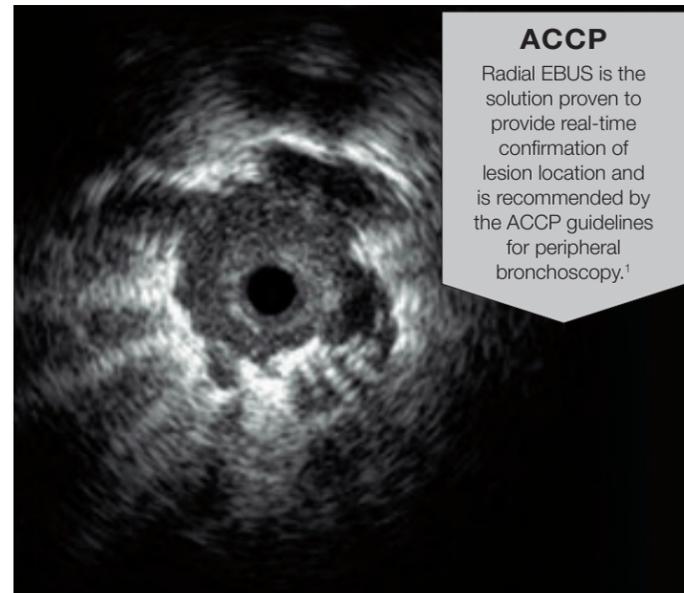
The versatile EU-ME2 is backward and forward compatible with a wide variety of Olympus EBUS and EUS scopes and radial EBUS probes. The processor offers a cost-effective solution to pulmonary, thoracic surgery, and gastroenterology departments that can be shared across specialties. The processor is available in two models to meet the needs of any size facility.



### Curvilinear EBUS

The EU-ME2 allows real-time visualization with outstanding image quality as the ViziShot EBUS-TBNA needle penetrates the lymph node under ultrasound guidance.

This facilitates correct capsule-to-capsule technique, which helps to optimize specimen collection.



### ACCP

Radial EBUS is the solution proven to provide real-time confirmation of lesion location and is recommended by the ACCP guidelines for peripheral bronchoscopy.<sup>1</sup>

### Radial EBUS

Olympus offers the industry's first radial EBUS. Using the EU-ME2 ultrasound processor, radial EBUS provides a 360-degree image of the airway wall and surrounding structures external to the airway.

The real-time ultrasound image enables direct visualization of the exact position of the lesion for sampling.

## Versatility

The EU-ME2 is fully compatible with a wide range of EBUS and EUS scopes and probes. With integrated electronic and mechanical scanning, the EU-ME2 supports both curvilinear and radial EBUS.

- Curvilinear array EBUS bronchoscope
- Mechanical radial EBUS probes
- Electronic radial scanning EUS scopes
- Curvilinear array scanning EUS scopes



## Olympus Ultrasound Comparison

Key Functions	EU-ME2	EU-ME2 Premier Plus
Improved B-mode	Yes	Yes
High Resolution Flow (H-Flow)	Yes	Yes
Pulse Wave Doppler (PWD)	Yes	Yes
Elastography	No	Yes
Movie Recording	No	Yes
Tissue Harmonic Echo (THE)	No	Yes

# EU-ME2 Ultrasound Processor

## Ordering Information

<b>Size</b>	Dimensions	Main unit	371 (W) × 175 (H) × 480 (D) mm 445 (W) × 184 (H) × 495 (D) mm (maximum)	
		Keyboard	392 (W) × 39 (H) × 207 (D) mm	
	Weight	Main unit	22.5 kg	
		Keyboard	2.5 kg	
<b>Classification</b>	Type of protection against electric shock		Class I	
	Degree of protection against electric shock of applied part		TYPE BF applied part Where no classification mark appears, the device is a TYPE BF applied part	
	Degree of protection against explosion		The ultrasound center should be kept away from flammable gases	
<b>TYPE BF Applied Part</b>			This instrument can safely be applied to any part of the body except the heart	
<b>EMC</b>			This instrument complies with the standards listed as follows: IEC 60601-1-2: 2001 IEC 60601-2-37: 2007 CISPR 11 of emission: Group 1, Class B	
<b>Ultrasound Scanning Format</b>			Mechanical scanning, electronic scanning	
<b>Mechanical Scanning</b>	Display mode		B-mode	
	Scanning		Radial scanning	
	Compatible equipment		Mechanical radial scanning ultrasound endoscope, miniature probe	
	Usable frequencies		C5, C7.5, C12, C20, 7.5, 12, 20 MHz	
	Display range		2, 3, 4, 6, 9, 12 cm	
	Image adjustment		Gain, contrast, STC, enhance	
	Display processing	Rotation	Rotatable	
		Display area	Full circle, bottom sector, top sector, scroll	
		Direction	Normal/inverse	
	Cine memory		Maximum 160 frames, cine review function	
	3D		3D display, MPR display	
	Measurement		Distance, area, circumference	
	<b>Electronic Scanning</b>	Display mode		B-mode, H-Flow mode, PWD mode, THE mode, ELST mode
		Scanning		Radial scanning, curvilinear array scanning
Compatible equipment		Electronic radial scanning ultrasound endoscope Electronic curvilinear array scanning ultrasound endoscope		
Usable frequencies		5, 6, 7.5, 10, 12 MHz		
Display range		2, 3, 4, 5, 6, 7, 8, 9, 12 cm		
Image adjustment		Gain, contrast, STC, enhance, compound		
Display processing		Display area	Radial : Full circle, bottom sector, top sector, scroll Curvilinear array: Convex	
		Direction	Normal/inverse	
		Display pattern	Single-screen/dual-screen	
Cine memory		Over 600 frames storable, depending on the conditions Cine review function		
Focus		Auto preset	Near/far	
		Focus setting	Focus location adjustable, focus number adjustable	
Flow mode		Color Flow mode, Power Flow mode, H-Flow mode		
PWD (Pulse Wave Doppler) mode		B+PW, Color+PW, Power+PW, H-Flow+PW		
Measurement		Distance, area, circumference, PW measurement		
THE (Tissue Harmonic Echo) mode*		THE-P, THE-R		
ELST (Elastography) mode*		Pressurization state guide		Strain graph, pressurization bar
<b>Recording Data</b>	Data format	Still image	BMP, JPEG, 3DV	
		Movie data*	Avi	
<b>Ancillary Equipment</b>	Keyboard		Keyboard with built-in trackball, LCD touch panel and LED backlit keys	
	Recording device		Video printer (color/monochrome), DVR	
	Video system center	Monitor display selection	Endoscopic/ultrasound image	
		Picture-in-picture	Displays the endoscopic image as PinP sub-display on the ultrasound image	
		Patient data	Shares patient data with the video system center	

\* Only available on EU-ME2 Premier Plus

## The Olympus EBUS Solution

### Proven Precision in Real Time

The EU-ME2 ultrasound processor belongs to the Olympus EBUS Solution family of products. Olympus offers everything you need to perform real-time lymph node and peripheral lesion sampling in one complete system for improved efficiency and quality patient care.

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

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