

# SMART TRANSDUCER SERIES

Light weight, easy to handle & smart design



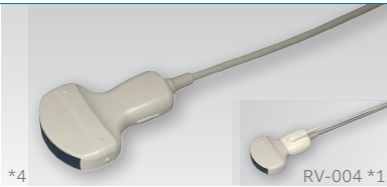
SMART TRANSDUCER SERIES | FFHC\_Transducers Broch 2025 | 02.2025

# Convex

## Transducers

The broad range of convex transducers is suitable for various general examinations, and features comfortable grips, compact light weight designs and flexible cables.

**C251**  
 Abdomen  
 5 - 1 MHz  
 70 deg. (50R)



**C252**  
 Abdomen  
 6 - 1 MHz  
 70 deg. (50R)



**C253**  
 Abdomen  
 5 - 1 MHz  
 70 deg. (50R)



**C253A**  
 Abdomen  
 5 - 1 MHz  
 70 deg. (50R)



**C35**  
 Abdomen  
 8 - 2 MHz  
 70 deg. (50R)



**C42**  
 Abdomen, Small Parts  
 8 - 4 MHz  
 80 deg. (21R)



**C421**  
 Abdomen  
 12 - 3 MHz  
 85 deg. (21R)



**C23 / C23RV**  
 Abdomen Micro-Convex  
 6 - 1 MHz  
 70 deg. (25R)



\*1 Optional RVS Attachment

\*2 Optional Biopsy Guide Attachment

\*3 Optional Acoustic Coupler Attachment

\*4 Optional Disposable Biopsy Guide Attachment from CIVCO available


\*5 Optional Waterproof Connector Case available

# Linear

## Transducers

Linear transducers with a wide frequency bandwidth provide high-quality images and are designed for the imaging of an extensive variety of superficial tissues such as the thyroid gland, breast, MSK and peripheral vessels.

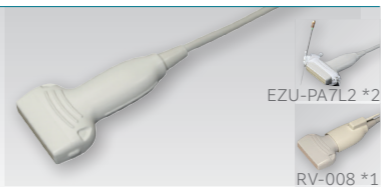
**L34**  
 Small parts  
 7 - 3 MHz  
 38 mm



**L441**  
 Small parts  
 12 - 2 MHz  
 38 mm



**L55**  
 Small parts  
 13 - 5 MHz  
 50 mm



**L35**  
 Small parts  
 9 - 2 MHz  
 45 mm



**L442**  
 Small parts  
 12 - 2 MHz  
 38 mm



**L64**  
 Small parts  
 18-5 MHz  
 38 mm



# Sector

## Transducers

The compact size and ergonomic profile facilitate easy operation for intercostal imaging. A significant increase in the frequency bandwidth is achieved by adopting single crystal transducer technology. For cardiology applications, sector transducers combine high frame rates with outstanding diagnostic performance.

**S11**  
 Cardiology  
 5 - 1 MHz  
 90 deg.



**S211**  
 Cardiology  
 5 - 1 MHz  
 90 deg.



**S42**  
 Cardiology  
 14 - 3 MHz  
 90 deg.



**S121**  
 Cardiology  
 5 - 1 MHz  
 90 deg.



**S31**  
 Cardiology  
 9 - 2 MHz  
 90 deg.



# Biopsy/Intraoperative


## Transducers

One key advantage of ultrasound imaging is the ability to monitor biopsy procedures in real time. The range of dedicated biopsy and intraoperative transducers is designed for ease-of-use, and to support safe surgery and accurate interventions.

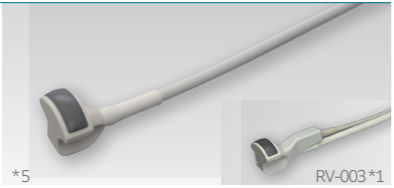
**C22P**  
 Biopsy  
 6 - 1 MHz  
 74 deg. (22R)



**C22K**  
 Intraoperative  
 6 - 1 MHz  
 82 deg. (21R)



**C42T**  
 Intraoperative  
 10 - 3 MHz  
 65 deg. (20R)



**L51K**  
 Intraoperative  
 15 - 3 MHz  
 13 mm



**L44K**  
 Intraoperative  
 14 - 2 MHz  
 42 mm



**L44LA**  
 Intraoperative  
 13 - 2 MHz  
 36 mm




- \*1 Optional RVS Attachment
- \*2 Optional Biopsy Guide Attachment
- \*3 Optional Acoustic Coupler Attachment
- \*4 Optional Disposable Biopsy Guide Attachment from CIVCO available
- \*5 Optional Waterproof Connector Case available

**C25P**  
 Biopsy  
 5 - 1 MHz  
 70 deg. (50R)



° Photo taken with optional Biopsy Guide Attachment

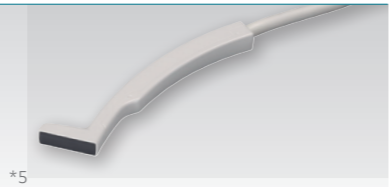
**C42K**  
 Intraoperative  
 10 - 4 MHz  
 65 deg. (21R)



**L43K**  
 Intraoperative  
 12 - 2 MHz  
 26 mm



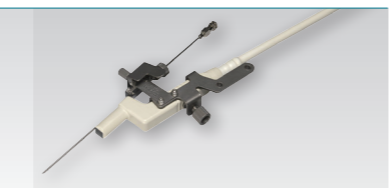
**L53K**  
 Intraoperative  
 15 - 3 MHz  
 25 mm



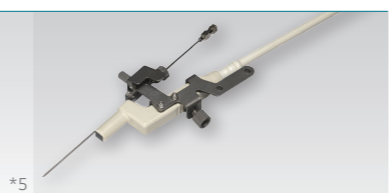
**L46K1**  
 Intraoperative  
 14 - 2 MHz  
 63 mm



**S31KP**  
 Biopsy/Intraoperative  
 8 - 3 MHz  
 90 deg.



**L31KP**  
 Biopsy/Intraoperative  
 9 - 2 MHz  
 6 mm



# 3D/4D

## Transducers

The compact and light weight 3D/4D transducers allow examinations to be performed with less strain on the examiner.

**VC35**  
 Abdomen, OB  
 8 - 2 MHz  
 72 deg. (46R)



**VC41V**  
 Transvaginal  
 8 - 2 MHz  
 145 deg. (10R)



# Endocavity

## Transducers

The diverse lineup of transducers supports a wide variety of clinical uses. This includes our original real-time biplane method, the 360o radial transducer for observation of the prostate, anal canal and rectum, the end-fire method for easy biopsy, and the transvaginal transducer with improved shape to reduce discomfort for the patient.

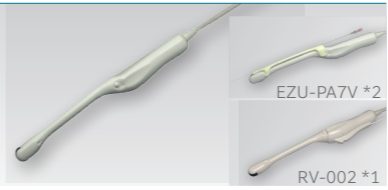
**C41B**  
 Transvaginal, Transrectal  
 10 - 2 MHz  
 200 deg. (10R)



**C41V**  
 Transvaginal  
 8 - 4 MHz  
 200 deg. (10R)



**C41V1**  
 Transvaginal  
 10 - 2 MHz  
 200 deg. (10R)



**C41RP**  
 Transrectal  
 9 - 2 MHz  
 180 deg. (9R)

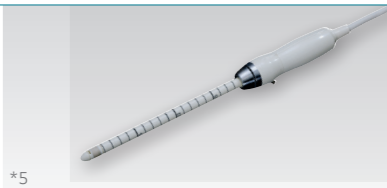


\*5  
°Biopsy Guide Attachment MP-2452-G18 is standard component

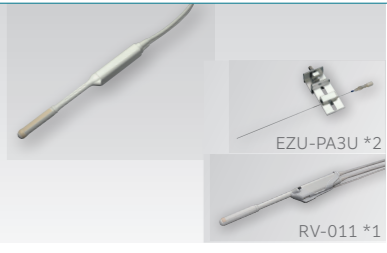
**CC41R**  
 Transrectal  
 Bi-Plane  
 Convex / Linear  
 8 - 4 MHz  
 100 deg./120 deg. (10R)



**R41R**  
 Transrectal  
 10 - 5 MHza  
 360 deg. (6R)



**C41L47RP**  
 Transrectal  
 Bi-Plane  
 Convex / Linear  
 8 - 4 / 10 - 5 MHz  
 200 deg. (10R) / 64 mm



**CL4416R1**  
 Transrectal  
 Bi-Plane  
 Convex / Linear  
 10 - 2 / 14 - 2 MHz



**CC41R2**  
 Transrectal  
 10 - 2 MHz  
 (Both sagittal and axial scan head)  
 180 deg. (9R)  
 (Both sagittal and axial scan head)



# 4D Matrix

## Transducers

Single crystal, matrix array 3D/4D transducer for 3D cardiac applications. Built to withstand the rigors of daily operation, with easy-to-use controls and exceptional 2D, bi-plane and 3D image resolution.

**MXS2ESLL1**  
Cardiology  
10 - 1 MHz  
90 deg.



**MXS1**  
Cardiology  
5 - 1 MHz  
90 deg.



# Transesophageal

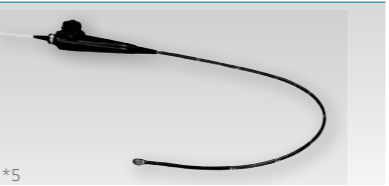
## Transducers

Transesophageal transducers depict the heart and surrounding structures with high definition. With a fine tip that enables easy operation, they are designed for patient comfort while maintaining excellent image quality

**S3ESEL**  
Cardiology  
8 - 2 MHz  
90 deg.



**S3ESL1**  
Cardiology  
9 - 2 MHz  
90 deg.



**S3ESCLS**  
Cardiology  
8 - 2 MHz  
90 deg.



# 4G CMUT

## Transducers

The fourth generation of CMUT (Capacitive Micromachined Ultrasound Transducer) offers a one probe solution for whole body imaging, supporting not only scanning of superficial structures, but also deep-seated organs and blood vessels.

**SML44**  
Whole Body Linear  
22 - 2 MHz  
38 mm



\*1 Optional RVS Attachment  
\*2 Optional Biopsy Guide Attachment  
\*3 Optional Acoustic Coupler Attachment  
\*4 Optional Disposable Biopsy Guide Attachment from CIVCO available  
\*5 Optional Waterproof Connector Case available

# Waterproof Connector Case

This dedicated device is for protecting the transducer connector from detergent and disinfection solutions during the cleaning and sterilizing process. Once attached, the whole transducer can be submerged into the cleaning fluid.

**WP-001**  
Option available for selected transducers, marked with "\*5" in this brochure.



# Convex

## Transducers

	Frequency	Radius	FOV	Function	ARIETTA 850	LISENDO 880	ARIETTA 750	ARIETTA 650	ARIETTA 65	ARIETTA 50
C251	5 - 1 MHz	50R	70º	System	●	●		●	●	●
				CHI	●	●		●	●	
				RTE	●					
				RVS	●					
C252	6 - 1 MHz	50R	70º	System	●	●	●	●		
				CHI	●	●	●	●		
				RTE	●		●			
				RVS	●					
C253	5 - 1 MHz	50R	70º	System	●		●	●	●	●
				CHI	●		●	●	●	●
				RTE	●		●	●	●	
				RVS	●		●			
C253A	5 - 1 MHz	50R	70º	System			●	●	●	●
				CHI			●	●	●	
				RTE			●	●	●	
				RVS			●			
C23/C23RP	6 - 1 MHz	25R	70º	System	●		●	●	●	●
				CHI	●		●	●	●	●
				RTE						
				RVS	●		●			
C35	8 - 2 MHz	50R	70º	System	●	●	●	●	●	●
				CHI	●	●	●	●	●	
				RTE	●		●	●	●	
				RVS	●		●			
C42	8 - 4 MHz	21R	80º	System	●	●	●	●	●	
				CHI						
				RTE	●		●	●	●	
				RVS	●		●			
C421	12 - 3 MHz	21R	85º	System	●	●	●	●	●	●
				CHI	●	●	●	●	●	●
				RTE	●		●	●	●	
				RVS	●		●			

# Linear

Transducers

	Frequency	Radius	FOV	Function	ARIETTA 850	LISENDO 880	ARIETTA 750	ARIETTA 650	ARIETTA 65	ARIETTA 50
L34	7 - 3 MHz	-	38 mm	System	●	●	●	●	●	●
				CHI	●	●	●			
				RTE	●		●	●	●	
				RVS						
L35	9 - 2 MHz	-	45 mm	System	●	●	●			
				CHI	●	●	●			
				RTE	●		●			
				RVS	●		●			
L441	12 - 2 MHz	-		System	●	●	●	●	●	
				CHI	●	●	●			
				RTE	●		●	●	●	
				RVS						
L442	12 - 2 MHz	-	38 mm	System	●		●	●	●	●
				CHI	●		●			
				RTE	●		●	●	●	
				RVS						
L55	13 - 5 MHz	-	50 mm	System	●		●	●	●	
				CHI	●		●			
				RTE	●		●	●	●	
				RVS	●					
L64	18 - 5 MHz	-	38 mm	System	●	●	●	●	●	●
				CHI				●	●	
				RTE	●		●	●	●	
				RVS	●		●			

# Sector

Transducers

	Frequency	Radius	FOV	Function	ARIETTA 850	LISENDO 880	ARIETTA 750	ARIETTA 650	ARIETTA 65	ARIETTA 50
S11	5 - 1 MHz	-	90°	System	●		●	●	●	●
				CHI						
				RTE						
				RVS						
S121	5 - 1 MHz	-	120°	System	●	●	●			
				CHI	●	●	●			
				RTE						
				RVS						
S211	5 - 1 MHz	-	90°	System				●	●	
				CHI						
				RTE						
				RVS						
S31	9 - 2 MHz	-	90°	System	●	●	●	●	●	●
				CHI						
				RTE						
				RVS						
S42	14 - 3 MHz	-	100°	System	●	●	●	●	●	
				CHI						
				RTE						
				RVS						

# Biopsy/Intraoperative

Transducers

	Frequency	Radius	FOV	Function	ARIETTA 850	LISENDO 880LE	ARIETTA 750	ARIETTA 650	ARIETTA 65	ARIETTA 50
C22P	6 - 1 MHz	22R	74°	System	●		●	●	●	●
				CHI	●		●			
				RTE						
				RVS	●		●			
C25P	5 - 1 MHz	50R	70°	System	●		●	●	●	●
				CHI	●		●			
				RTE						
				RVS	●		●			
C22K	6 - 1 MHz	21R	82°	System	●		●	●	●	●
				CHI	●		●			
				RTE						
				RVS						
C42K	10 - 4 MHz	21R	65°	System	●	●	●	●	●	●
				CHI			●	●	●	
				RTE	●		●	●	●	
				RVS						
C42T	10 - 3 MHz	20R	65°	System	●		●	●	●	●
				CHI	●		●	●	●	●
				RTE	●		●	●	●	●
				RVS	●		●	●	●	●
L43K	12 - 2 MHz	-	26 mm	System	●		●	●	●	●
				CHI	●		●	●	●	●
				RTE	●		●	●	●	●
				RVS						
L51K	15 - 3 MHz	-	13 mm	System	●		●	●	●	●
				CHI	●		●			
				RTE	●		●	●	●	
				RVS						
L53K	15 - 3 MHz	-	25 mm	System	●	●	●	●	●	●
				CHI			●	●	●	
				RTE	●		●	●	●	
				RVS						
L44K	14 - 2 MHz	-	42 mm	System	●		●	●	●	●
				CHI	●		●	●	●	●
				RTE	●		●	●	●	●
				RVS						
L46K1	14 - 2 MHz	-	63 mm	System	●		●	●	●	
				CHI	●		●			
				RTE	●		●	●	●	
				RVS						
L44LA	13 - 2 MHz	-	36 mm	System	●		●	●	●	●
				CHI	●		●	●	●	●
				RTE	●		●	●	●	
				RVS						
S31KP	8 - 3 MHz	-	90°	System			●	●	●	●
				CHI						
				RTE						
				RVS						
L31KP	9 - 2 MHz	-	6 mm	System	●		●	●	●	
				CHI						
				RTE						
				RVS						

# 3D/4D

Transducers

	Frequency	Radius	FOV	Function	ARIETTA 850	LISENDO 880	ARIETTA 750	ARIETTA 650	ARIETTA 65	ARIETTA 50
VC35	8 - 2 MHz	46R	72°	System	●		●	●	●	●
				CHI						
				RTE						
				RVS						
VC41V	8 - 2 MHz	10R	145°	System	●		●	●	●	●
				CHI						
				RTE	●		●	●	●	
				RVS						

# Endocavity

Transducers

	Frequency	Radius	FOV	Function	ARIETTA 850	LISENDO 880	ARIETTA 750	ARIETTA 650	ARIETTA 65	ARIETTA 50
C41V	8 - 4 MHz	10R	200°	System			●	●	●	●
				CHI			●			
				RTE			●	●	●	
				RVS						
C41V1	10 - 2 MHz	10R	200°	System	●		●	●	●	●
				CHI	●		●			
				RTE	●		●	●	●	
				RVS	●		●			
C41RP	9 - 2 MHz	9R	180°	System	●		●	●	●	●
				CHI						
				RTE						
				RVS						
CC41R	8 - 4 MHz	10R	100°/120°	System	●		●	●	●	●
				CHI	●		●			
				RTE	●		●	●	●	
				RVS	●		●			
CC41R2	10 - 2 MHz	9R	180°	System	●		●	●	●	●
				CHI	●		●	●	●	
				RTE	●		●	●	●	
				RVS	●		●	●		
R41R	10 - 5 MHz	6R	360°	System	●		●	●	●	
				CHI						
				RTE	●		●	●	●	
				RVS						
C41L47RP	8 - 4 MHz 10 - 5 MHz	10R	200°/64mm	System	●		●	●	●	●
				CHI			●			
				RTE	●		●	●	●	
				RVS	●		●			
CL4416R1	10 - 2 MHz 14 - 2 MHz	9R	180°/63mm	System	●		●	●	●	●
				CHI	●		●			
				RTE				●	●	
				RVS	●		●			
C41B	10 - 2 MHz	10R	200°	System	●		●	●	●	●
				CHI	●		●			
				RTE	●		●	●	●	
				RVS	●		●			

# 4D Matrix

Transducers

	Frequency	Radius	FOV	Function	ARIETTA 850	LISENDO 880	ARIETTA 750	ARIETTA 650	ARIETTA 65	ARIETTA 50
MXS2-ESLL1	10 - 1 MHz	-	90°	System		●				
				CHI						
				RTE						
				RVS						
MXS1	5 - 1 MHz	-	90°	System	●	●	●			
				CHI						
				RTE						
				RVS						

# Transesophageal

Transducers

	Frequency	Radius	FOV	Function	ARIETTA 850	LISENDO 880	ARIETTA 750	ARIETTA 650	ARIETTA 65	ARIETTA 50
S3ESEL	8 - 2 MHz	-	90°	System	●	●	●	●	●	
				CHI						
				RTE						
				RVS						
S3ESL1	9 - 2 MHz	-	90°	System	●	●	●	●	●	
				CHI						
				RTE						
				RVS						
S3ESCLS	8 - 2 MHz	-	90°	System	●	●	●			
				CHI						
				RTE						
				RVS						

# 4G CMUT

Transducers

	Frequency	Radius	FOV	Function	ARIETTA 850	LISENDO 880	ARIETTA 750	ARIETTA 650	ARIETTA 65	ARIETTA 50
SML44	22 - 2 MHz	-	38 mm	System	●	●	●			
				CHI						
				RTE	●		●			
				RVS	●		●			