

# 2300

## COMBINED SIDE SCAN SONAR & SUB-BOTTOM PROFILING SYSTEM

### FEATURES

- Fully integrated turnkey system
- Tri-frequency side scan sonar
- Enhanced sub-bottom profiling capabilities with multiple low frequency transducers and PVDF receiver
- Digital telemetry over single coaxial tow cable
- Built-in heading, pitch, roll, heave and depth sensor

### APPLICATIONS

- Cable and Pipeline Surveys
- Geological/Geophysical Surveys
- Sediment Classification
- Archeological Surveys
- Marine Construction Surveys

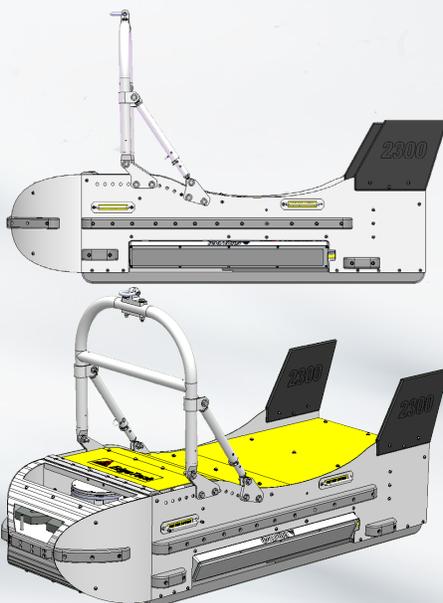


The 2300 continues EdgeTech's highly successful line of combined side scan sonars and sub-bottom profilers, whilst building on EdgeTech's proven sonar technology in a number of ways.

Sub-bottom profiler capabilities have been expanded on the new 2300 to include the ability to incorporate up to four low frequency transducers as part of EdgeTech's DW-106 (1-10 kHz) deep penetration system. Coupled with that is the ability to utilize a large PVDF hydrophone array providing better sub-bottom receive sensitivity and directivity.

The 2300 can support additional sensor interface options including a USBL beacon and a towed magnetometer. Contact sales for other sensor interface options.

If you also want bathymetry data from the same platform, then EdgeTech also offers the 2300B.



For more information please visit [EdgeTech.com](http://EdgeTech.com)

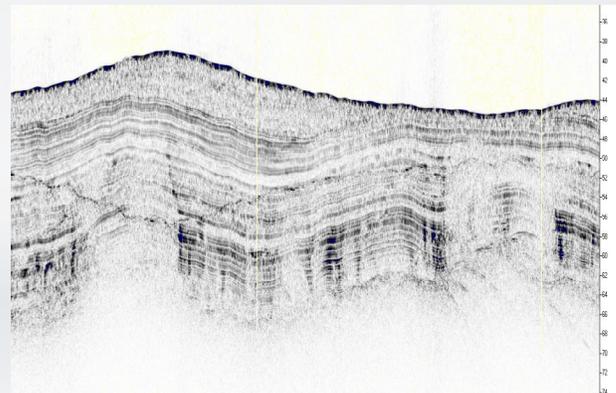
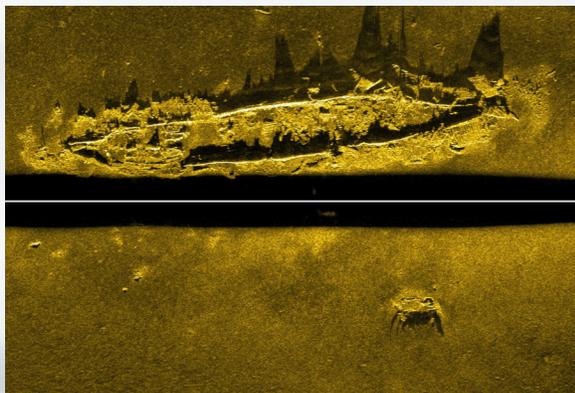
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## COMBINED SIDE SCAN SONAR & SUB-BOTTOM PROFILING SYSTEM

### KEY SPECIFICATIONS

SIDE SCAN SONAR	STANDARD
Frequency	Choice of either 120/410/850 kHz or 230/540/850 kHz tri-frequency side scan sonar * Note: Tri-frequency configurations operate any 2 frequencies simultaneously on command
Operating Range (meters/side)	120 kHz: 500 m, 230 kHz: 300 m, 410 kHz: 200 m, 540 kHz: 150 m, 850 kHz: 75 m
Horizontal Beam Width	120 kHz: 0.68°, 230 kHz: 0.5°, 410 kHz: 0.3°, 540 kHz: 0.26°, 850 kHz: 0.2°
Resolution Along Track	120 kHz: 2.4 m @ 200 m 230 kHz: 1.4 m @ 150 m 410 kHz: 0.5 m @ 100 m 540 kHz: 0.45 m @ 100 m 850 kHz: 0.15 m @ 50 m
Resolution Across Track	120 kHz: 6.5 cm, 230 kHz: 3 cm, 410 kHz: 1.8 cm, 540 kHz: 1.5 cm, 850 kHz: 1 cm
Vertical Beam Width	50°
Depression Angle	Tilted down 26°
SUB-BOTTOM PROFILER	4 X DW 106
Frequency Band	1-10 kHz
Resolution	10 – 30 cm
Penetration in coarse sand	20 m
Penetration in clay	200 m
TOWFISH	
Length	81" (205.9 cm)
Width	32.17" (81.7 cm)
Height	20" (50.8 cm - without fins) 30" (76.3 cm - with rear fins)
Weight in Air	1100 lbs (449 kg)
Weight in Water	650 lb (272 kg)
Maximum Water Depth	3000 meters standard



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