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SUB-BOTTOM PROFILING SYSTEM

FEATURES

- Choice of 3 towfish depending on the application
- Low frequency for greater penetration
- Pole mount option for shallow water surveys

APPLICATIONS

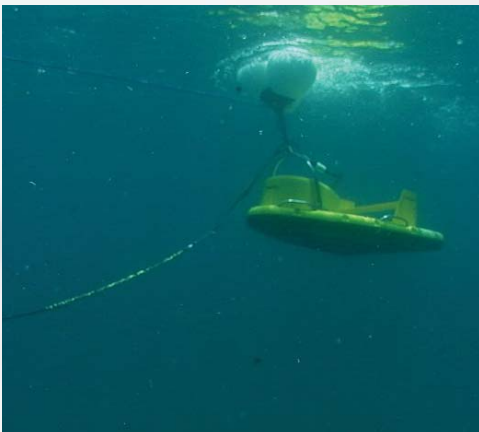
- Geological Surveys
- Geohazard Surveys
- Sediment Classification
- EEZ Resource Development
- Buried Object Location
- Bridge/Shoreline Scour Surveys
- Mining/Dredging Surveys



The EdgeTech 3200 Sub-bottom Profiling System is a wideband Frequency Modulated (FM) sub-bottom profiler utilizing EdgeTech's proprietary Full Spectrum CHIRP technology. The 3200 generates high resolution images of the sub-bottom stratigraphy in oceans, lakes, and rivers and provides penetration of up to 200m.

The 3200 comes available with a choice of three stable, low drag towfish that operate at different frequencies and can be used at depths of up to 300m. The selection of towfish depends on the sub-bottom characteristics as well as the resolution and penetration requirements.

Along with a towfish, a standard 3200 systems comes with a topside processor running EdgeTech's DISCOVER sub-bottom acquisition & processing software as well as a customer-specified length of tow cable. An optional 4 kW amplifier can be integrated into the 3200 topside to allow for operation in deeper waters or to provide greater penetration. Additional optional sensors are also available.



For more information please visit EdgeTech.com

info@EdgeTech.com | USA 1.508.291.0057

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KEY SPECIFICATIONS

TOWFISH	SB-0512i	SB-216S	SB-424
Frequency Range	500 Hz–12 kHz	2-16 kHz	4-24 kHz
Vertical Resolution (depends on pulse selected)	8–20 cm	6-10 cm	4-8 cm
Penetration (typical)			
In coarse calcareous sand	20 meters	6 meters	2 meters
In clay	200 meters	80 meters	40 meters
Size			
Length	160 cm	105 cm	77 cm
Width	124 cm	67 cm	50 cm
Height	47 cm	40 cm	34 cm
Weight	190 kg	76 kg	45 kg
Maximum Operating Depth	300 meters		
TOPSIDE PROCESSOR			
Hardware	Standard 19 inch rack mount		
Operating System	Windows XP		
Display	High resolution 22 inch flat panel display		
Archive	Hard drive and/or DVD-R/W		
File Format	Native JSF or SEG-Y		
I/O	Ethernet		
Power Input	120/220 VAC		
SYSTEM OPTIONS			
Integrated depth sensor, 4 kW amplifier, USBL acoustic tracking system			



SB-0512i



SB-216S



SB-424

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