3200
Sub-bottom profiling system

The EdgeTech 3200 Sub-bottom Profi ling System is a wideband Frequency Modulated (FM) sub-bottom profi ler 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 towfi sh that operate at different frequencies and can be used at depths of up to 300m. The selection of towfi sh depends on the sub-bottom characteristics as well as the resolution and penetration requirements.

Along with a towfi sh, a standard 3200 system comes with a topside processor running EdgeTech's DISCOVER sub-bottom acquisition & processing software as well as a customer-specifi ed length of tow cable. Additional optional sensors are also available.

Specifications

Product	3200 Sub-bottom profiling system
Country of origin	USA
Manufacturer	EdgeTech

Features and applications

- Choice of 3 towfi sh depending on the application
- Low frequency for greater penetration
- Pole mount option for shallow water surveys
- Geological Surveys
- Geohazard Surveys
- Bridge/Shoreline Scour Surveys
- Sediment Classifi cation
- EEZ Resource Development
- Buried Object Location
- Mining/Dredging Surveys
- Allows restart at sea

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** **In clay**	 20 meters 200 meters	 6 meters 80 meters	 2 meters 40 meters
Length	160 cm	105 cm	77 cm
Width	124 cm	67 cm	50 cm
Height	47 cm	40 cm	34 cm
Weight in air	204 kg	76 kg	45 kg
Weight in water	68 kg	32 kg	18 kg
Depth rating		300 meters	

Topside processor

Hardware	Standard 19 inch rack mount with portable aluminum enclosure for transport
Operating system	Windows XP
Display	High resolution 21 inch fl at panel display
Archive	Hard drive and/or DVD-R/W
File format	Native JSF or SEG-Y
Output	Ethernet
Power input	120/220 VAC

System options

	Integrated depth sensor, USBL acoustic tracking system

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