

SIDE SCAN SONAR AND MAGNETOMETER

Sides scan Sonar

The 4200-FS uses EdgeTech's Full-Spectrum chirp technology to deliver wide band, high energy transmit pulses, coupled with high resolution and superb signal to noise ratio echo data. The system employs wide band, low noise front end electronics which reduce system induced phase errors and drift to negligible levels. The sonar data is also available as a complex, fully coherent data set suitable for advanced user applied post processing.

Side scan sonar: Edge Tech 4200 FS is available with a dual simultaneous frequency tow fish; either 100/400 kHz, 300/600 kHz or 300/900 kHz. These tow fish are available in two housings; lightweight aluminum for shallow water operations up to 500m or stainless steel for deeper water operation up to 2,000m.



The new 4200-FS offers two software selectable modes of operation:

- **High Definition Mode (HDM)**
– conventional mode operation with extra long array (90 cm) for superior resolution.
- **High Speed Mode (HSM)**
– dual pulse operation for speeds up to 10 knots, while meeting NOAA and IHO requirements for "hits on target" compared to conventional systems at 4 knots.

Applications:

- Geo-hazard surveys
- Geological/geophysical surveys
- Route surveys
- Archeological surveys
- Search and recovery
- AUV/ROV adaptable

