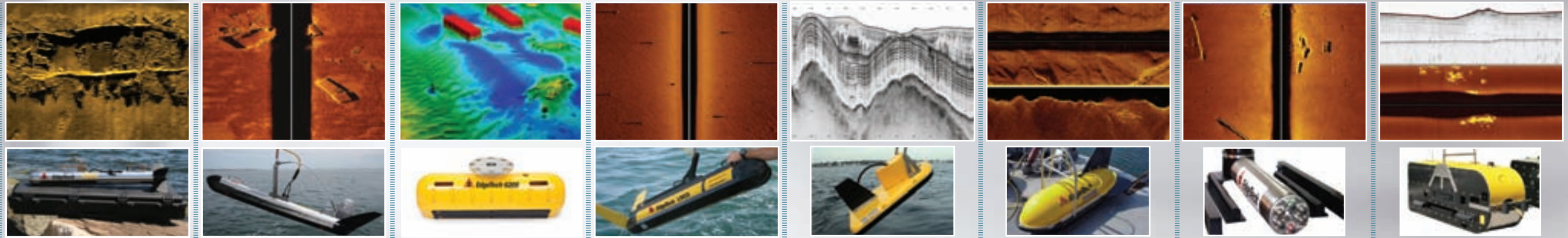


UNDERWATER ACOUSTIC IMAGING



Model Name	4125 Ultra High Resolution Lightweight, Portable	4200 Multipurpose Survey System	6205 Swath Bathymetry & Side Scan Sonar	Custom Engineered Products for Defense and Security (LMCS)	3100/3200/3300 Sub-bottom Profiler Towed, Pole-Mount, Hull-Mount, Portable	2000 Series Combined Side Scan Sonar & Sub-bottom Profiler	2200/2205 Sonars for ROV, AUV, USV	2400 / Specials Deep Tows
Side Scan Sonar	√	√	√	√		√	√	√
Sub-bottom Profiler					√	√	√	√
Bathymetry (3-D)			√				√	√
Frequency Options Available	400 kHz/900 kHz 600 kHz/1600 kHz	100 kHz/400 kHz 100 kHz/600 kHz 300 kHz/900 kHz	550/1600 kHz Side Scan & 550 kHz bathymetry 230/550 kHz Side Scan & 550 kHz bathymetry 230/550 kHz Side Scan & 230 kHz bathymetry	600/1600 kHz MP DF	500 Hz-24 kHz	Sub-bottom Profiler: 500 Hz-12 kHz, 1-6 kHz or 2-16 kHz. Side Scan Sonar: 75/400 kHz , 100/400 or 300/600 kHz	Side Scan Sonar: 75 kHz to 1600 kHz Sub-bottom Profiler: 500 Hz to 24 kHz Bathymetry: 230 kHz or 550 kHz	
Depth Rating (meters)	200 m	2000 m	500 m	300 m or custom	towfish 300 m, survey 6000 m	300 m, 2000 m, 3000 m	options to 6000 m	options to 6000 m
Multi-Pulse Option Available		√		√			√	√
Dynamic Focusing Long Range and High Resolution		optional		√			optional	optional
Configurations available:								
Towfish	√	√		√	√	√		√
Pole Mount	√	√	√	√	√, hull-mount available			
Sample Applications:	<ul style="list-style-type: none"> Hydrographic Surveys Geological Surveys Search & Recovery Channel/Clearance Surveys Bridge/Pier/Harbor Wall Inspection Hull Inspections 	<ul style="list-style-type: none"> Hydrographic Surveys Archeological Surveys Cable and Pipeline Surveys Geohazard Surveys Geological/Geophysical Surveys 	<ul style="list-style-type: none"> Benthic Habitat Mapping Dredging Operations Marine Debris Search Military Rapid Environmental Assessments (REA) Nautical Charting Route Surveys Shallow Water Hydrographic Surveys 	<ul style="list-style-type: none"> Mine Counter Measures Mine-like Target Detection and Classification Change Detection Q Route Survey High Speed/Long Range Survey Port & Harbor Security Rapid Environmental Assessment (REA) 	<ul style="list-style-type: none"> Geological Surveys Geohazard Surveys Buried Object Location Mining/Dredging Surveys Bridge/Shoreline Scour Surveys Pipeline and Cable Location 	<ul style="list-style-type: none"> Archeological Surveys Geological/Geophysical Surveys Sediment Classification Cable and Pipeline Surveys Pre/Post Dredging Surveys Scour/Erosion Investigation Marine Construction Surveys 	<ul style="list-style-type: none"> Geohazard Surveys Geological/Geophysical Surveys Buried Pipeline and Cable Route Surveys Archeological Surveys Military Surveys 	<ul style="list-style-type: none"> Geohazard Surveys Geological/Geophysical Surveys Cable and Pipeline Surveys Route Surveys Archeological Surveys

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