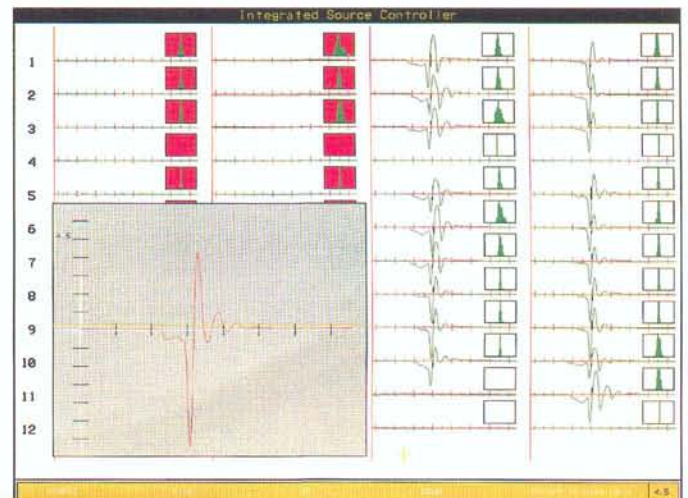
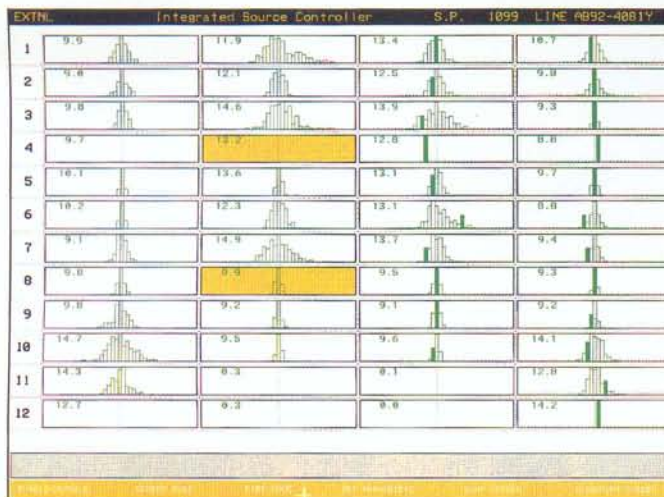
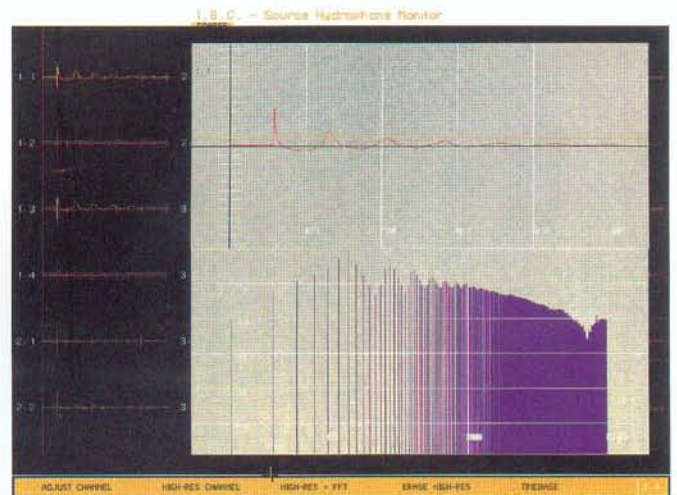
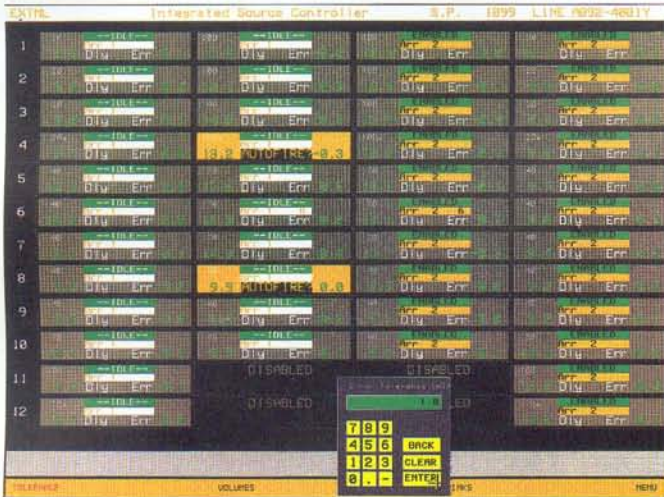


# HORIZON PRODUCTS

Based on 20 years of marine acquisition experience, Horizon Exploration can now share with other industry users the benefits of the latest acquisition sub-systems developed by our engineers and in service on our vessels.

Horizon's systems currently available for outright purchase or lease include the ISC integrated source controller and CAPTURE the high capacity real-time interface for input to onboard seismic processing.



## INTEGRATED SOURCE CONTROLLER

- Controls and synchronises up to 72 guns configured in up to six defined arrays
- Generates fire pulse from unique 'current pump' power supply circuit for optimum solenoid firing performance
- Signal conditioning for specific timing sensor inputs ensures best performance in adverse operating conditions
- Graphic and numeric display of all sensor channels for every shot with permanent autofire detect
- Real-time and end of line timing statistics via monitor and hard copy
- 0.1 mS timing resolution, 0.25 mS display resolution
- Modular design integrates source hydrophone display and gun depth and pressure sensors
- Interfacing available to auxiliary systems

A Master screen display allows the operator to enable or disable guns within individual arrays using a trackerball interface. Using digitised sensor return waveforms 'pick points' can be set and fed to a comparator system and then to the synchronisation algorithm.

Correct array sequencing in multi-source applications is ensured by an unambiguous pre-fire 'prime' message.

Early detection of deteriorating gun or sensor performance enables activation of spare guns without loss in overall output.

## REAL-TIME INTERFACE 'CAPTURE'

- Delivers an exact 'tape image' of complete seismic data records to an auxiliary system (seismic processing or attribute database)
- Capture capability exceeds standard SCSI data rate (5 Mbytes/sec)
- Dual 14 Mbyte buffers and 'Bit 3' output interface (10 Mbytes/sec)
- Passive SCSI snoop respects host system integrity
- High build quality - extensively field tested

'CAPTURE' provides real-time access without risk to the complete seismic record in several SEG formats for seismic processing systems or attribute databases. It considerably out-performs existing industry standard systems and throughput is effectively limited only by the capacity of the receiving system.

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