

## AST – Advanced Sparker Tool



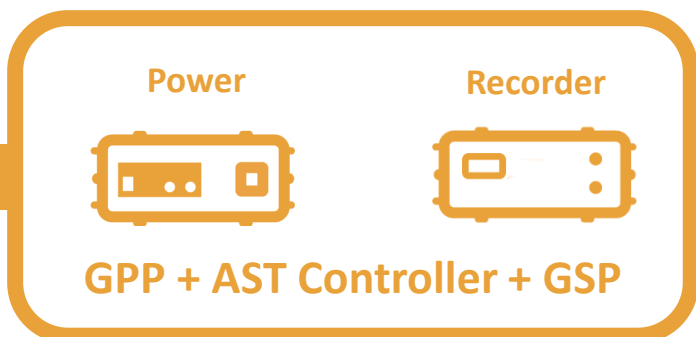
### Main Features

- Peak Power 1000 Joules/Shot.
- 20s Firing Interval.
- Output Signal 10 – 4000Hz-Omni Directional.
- 3" (76.2mm) Diameter.
- Automatic or Triggered Firing.
- 302°F (150°C) Temperature Rating.
- 10,000 PSI Pressure Rating.
- Monocable or 7 conductor wireline.
- Deployed with Geochain™ System or standalone operation.
- Repeatable energy pulse.
- Firing T/B transmitted to surface.
- Operation in any type of conductive well fluid.
- Built in safety protection.

### Functionality

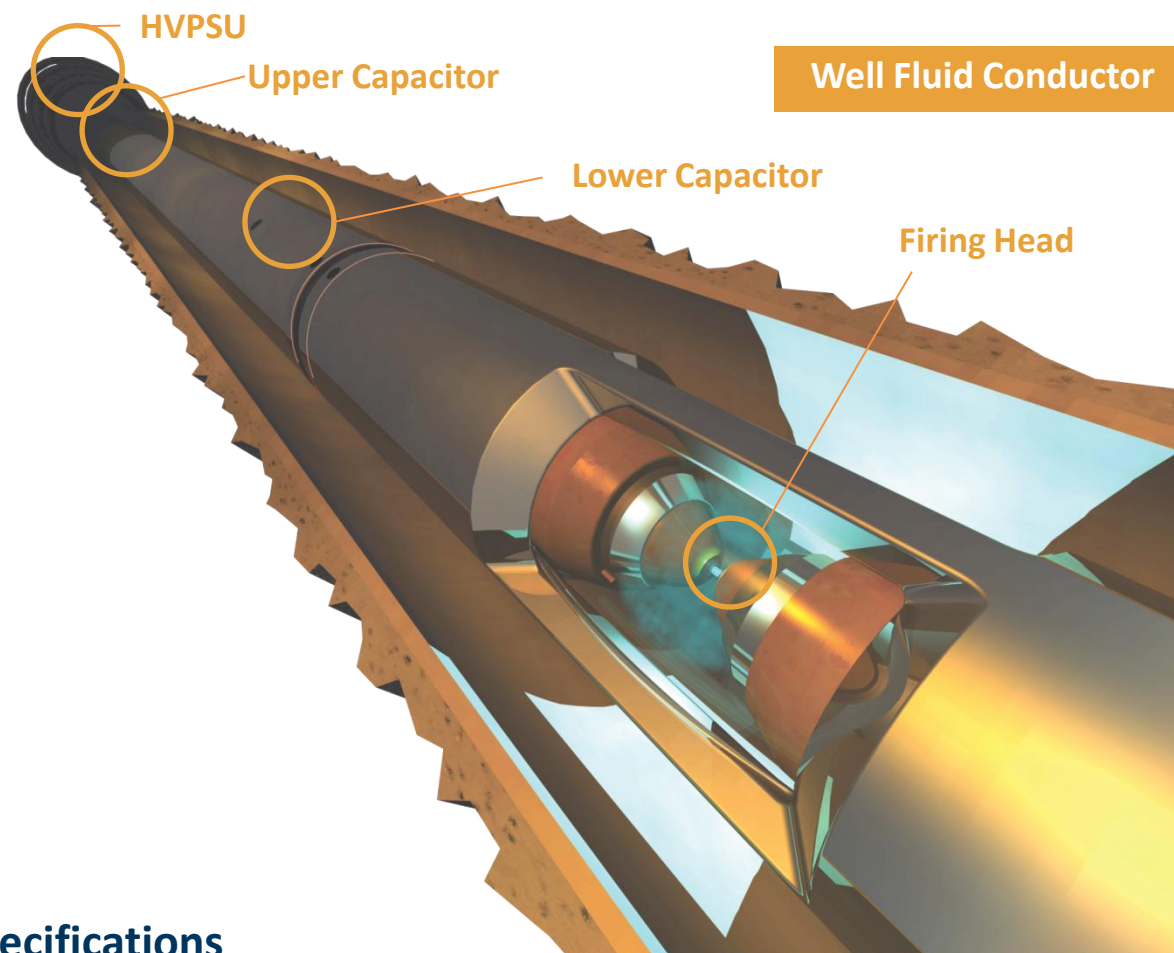
- The Advanced Sparker Tool (AST) has been developed to provide a high energy and a repeatable downhole seismic source. Primary use of the AST would be with seismic sensors deployed in an adjacent well or wells to provide cross well imaging or sensor orientation of fracture monitoring instrumentation.
- When the AST is deployed with the Geochain™ system it will be possible to provide single well imaging. With a low power requirement of a 100W and high energy output of 1000J the AST is a versatile downhole seismic source which can be deployed in various configurations.

## SURFACE PANELS



## LEADERS IN BOREHOLE SEISMIC TECHNOLOGY

### Borehole Seismic Source



### Specifications

#### AST Specification

Power:	1000 Joules/shot
Output Bandwidth:	10-4000Hz
Power consumption:	100 watts
Electrode life:	>5000 shots
Diameter:	3" (76mm)
Length:	29.9ft (9.1m)
Pressure:	10,000 psi (700 bar)
Temperature:	356°F (150°C)
Firing interval:	20 seconds
Wireline:	Mono or hepta