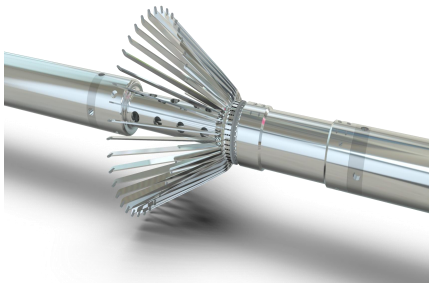
Memory Multi-Arm Caliper (MMAC)

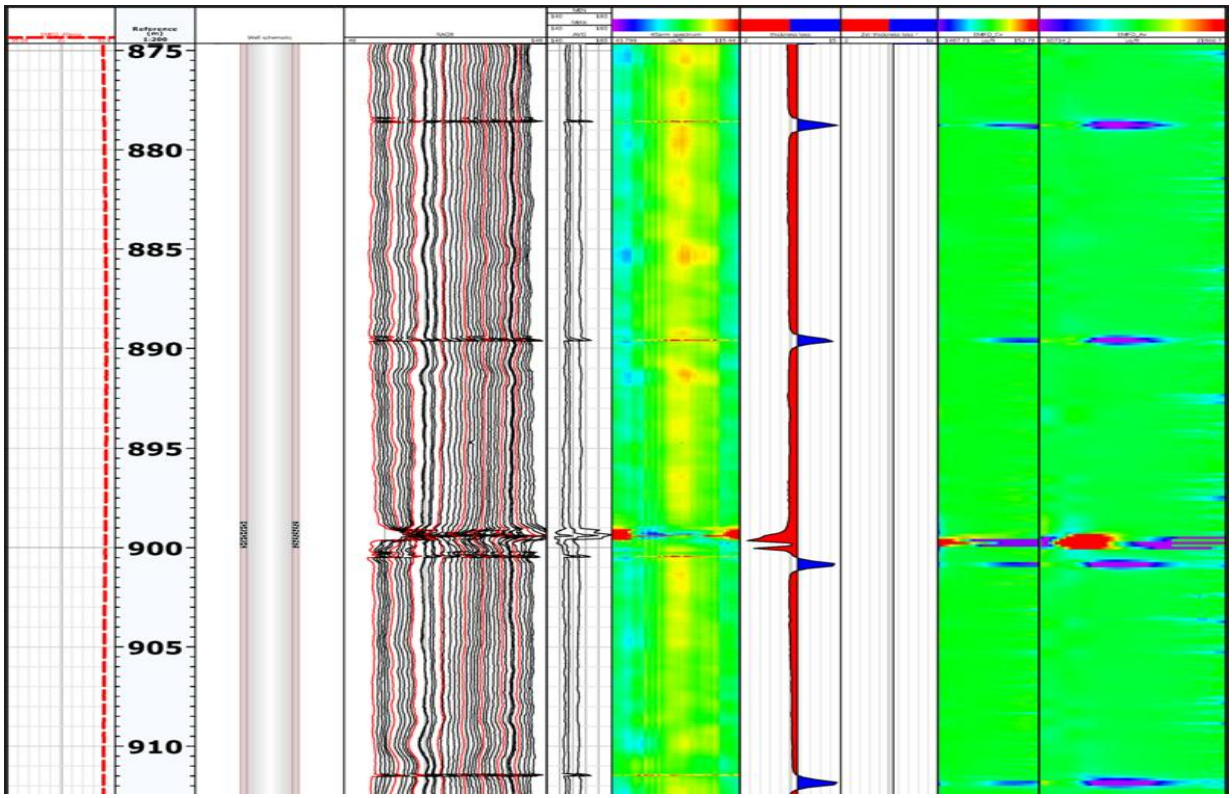
Memory Multi Arm Caliper （MMAC) can provide accurate measurements of the inner diameter of the casing. High-quality measurement data can enable three-dimensional imaging of the casing inner diameter and can calculate statistical data for oil/casing corrosion, deformation, and bending..

The **MMAC** interpretation software can display the actual condition of the measured casing inner wall in three dimensions, and at the same time, calculate the engineering data of the measured casing and perform statistical analysis.

Features



- The tool uses a single-cycle ultra-high refresh rate, ensuring that the tool's ability to detect damage is 3-5 times that of the conventional multi-arm currently on the market.
- Adopting a high-sensitivity and zero-delay circuit design ensures the instrument's identification of minor defects.
- The tool uses a 13-core instrument bus, which can be connected with a variety of tools, such as **Electro-Magnetic Flaw Detector, Electromagnetic Thickness Measurement, Gamma Well Temperature, Gyro Inclinometer, Downhole TV** etc. Multiple sets of logging data can be obtained from a single trip down the well.



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Memory Multi-Arm Caliper (MMAC)

Specifications

	MMAC-1
General Spec	
Pressure Rating	14,500psi (100Mpa)
Temperature Rating	350°F (175℃)
Working Pressure	18-24V
Working Current	80mA
Length	1450mm
Connection Length	1380mm
Logging Speed	16m/min
Connector Type	13-Core
Logging Conditions	
Is it possible to have H2S here	Measurable
Tool Position	Center of Casing
Dimensional Parameters	
Can be with an Extended Arm	Can
Diameter	43mm(24 arm)
	70mm(40 arm)
	100mm(60 arm)
Well Diameter Measurement Range	50mm~140mm(24 arm)
	80mm~180mm(40 arm)
	110mm~270mm(60 arm)
Measurement Accuracy	
Accuracy	±1mm
Resolution Ratio	0.1mm
Relative Azimuthal Accuracy	±3°
Relative Azimuthal Rang	0 ~ 360°
Well Deviation Accuracy	±3°

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