



JAMPro™ Torque Monitoring System

The Weatherford JAMPro torque monitoring system monitors the torque, turns, and speed of any power tong in real time. The JAMPro system has an electronic load cell that measures torque in breakout mode. This data helps to control makeup and to ensure that all tubing and casing connections conform to manufacturer specifications. The joint-analyzed makeup system enables timely solutions for makeup problems by detecting damage to threaded connections, including API, premium, or high-chrome stainless steel.

The JAMPro system uses Weatherford JAM® delta dump software to identify shoulder torque in real time during makeup and to precisely control the tong to achieve design delta torque. Standard software features provide a torque/turn graph. Specialized software features provide statistical analysis and reporting on location. The system generates customized client reports with data provided in imperial, metric, or both systems of measurement. The system is ATEX certified for use in hazardous environments.



Applications

- Field torque monitoring, control, and analysis of makeup or breakout for any casing and tubing connections
- Pipe mill torque monitoring, control, and analysis of makeup or breakout for any casing and tubing connections

Features, Advantages, and Benefits

- The explosion-proof design conforms to ATEX standards, which makes the system compliant in all global regions. (Certificates are shipped with unit.)
- The power interface is compatible with 115- and 230- VAC power, which eliminates battery issues.
- System hardware, including the monitor, can be removed as a single unit to make service and repair easy.
- As a fail safe, visual purge-safety verification prevents accidental power-up.
- The shock-absorbing chassis ensures reliability and accuracy under extreme conditions.