



PowerFrame® II Tong-Positioning System

The patented* Weatherford PowerFrame II tong-positioning system is designed to house and position the entire family of Weatherford mechanized power tongs, including casing, tubing, drillpipe, and production riser tongs. The PowerFrame II system can be remotely operated for safety and employs programmable logic control (PLC) technology for efficiency and reliability. The track-mounted PowerFrame system is rugged and reliable and has a small footprint, which makes it ideally suited for new-build rigs and refurbishment applications.



Applications

- Running drillpipe, casing, tubing, and production risers
- Offline stand building and bottomhole assembly (BHA) makeup and installation
- Drillbit makeup and breakout
- New-build rigs and refurbishment applications

Features, Advantages, and Benefits

- Remote operation requires fewer rig-floor personnel, which enhances safety and reduces operating costs.
- Plug-and-play technology enables quick tong change-out to save time during operations.
- BHA makeup capability reduces required onboard storage.
- Use with the Weatherford TorkWrench™ 10-145 iron roughneck provides the most efficient available premium-connection (XT, XTM, WT) drillpipe makeup.
- Compatibility with the entire family of Weatherford mechanized power tongs reduces capital investment, which makes the system very cost effective.
- The design incorporates multiple safety cutoffs and interlocks that decrease the risk of accidents and injuries.
- The memory feature positions the tong horizontally and the connection finder automatically positions the tong vertically for accurate and efficient tong placement.
- Customizable for specific rig requirements, the system also fits existing roughneck rails, which minimizes costly rig modifications.
- The system allows offline makeup for increased operational efficiency.
- The design enables advanced integration with rig safety systems, including the Varco V-ICIS system.

Additional Information

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