CONTROL. Have remote operation and full data logging to bring maximum control to your power tong. Highwood’s Automated Tong Package works on any tong so that you don’t need to change your current equipment. Bring safety and data acquisition to your rig fleet.

• Fits on any production wrench
• Can be applied to used tongs
• Positions wrench to/from hole center, makes/breaks the connection accurately before returning to home position, all at the push of a button
• Provides accurate joint torque from pre-programmed pipe profiles
• Optional real time data logging and reporting functions that can be remotely viewed and captured on the fly

KNOWLEDGE IS CONTROL, CONTROL IS SAFETY

HIGHWOOD EQUIPMENT TECHNOLOGIES

INNOVATION. Through years of industry experience, Highwood Equipment Technologies has produced innovative solutions that best fit the well servicing market. Highwood’s products are designed to be cost effective while increasing efficiency and safety.
BASIC TONG CONTROL
- Adapts to most styles and types of tongs
- Allow driller to control wrench from a remote drillers console up to 10m away
- Controls make up/break out, vertical movement, backup, and gear shift
- Class 1 Div 1 drillers panel and wrench valve

AUTOMATED TONG CONTROL
- Designed for larger open face tongs
- Remote drillers console allows operation from up to 10m away
- Operator controls make up/breakout, vertical movement, horizontal movement, backup, and gear shift
- Class 1 Div 1 Tong Controls, Class 1 Div 2 Drillers console (Div 1 Optional)
- Options
  - Load cell integration for remote display and control of torque
  - Class 1 Div 2 wireless remote control (Div 1 Optional)
  - Advanced automation package adds fully automated cycle capabilities
  - Wireless remote control

TORQUE LOGGING AND CONTROL
- Electric/Hydraulic tong mounted controls with manual override
- Integrated load cell provides torque feedback and control
- Wireless PC Based tablet for joint monitoring, logging, and torque control
- Computer controlled ramp speeds, make-up torque, and RPM ensure joint consistency
- Joint profiler allows customization of make-up torque and RPM during make up cycle
- Visual feedback indication on wrench provides joint acceptance feedback for wrench operator
- Logging program automatically analyzes the torque profile and highlights torque dips
- Class 1 Div 1 Tong Controls and sensors
- Class 1 Div 2 Remote PC
- Options
  - Remote display allows a second display to be located remotely on site to allow a consultant or site manager to monitor progress
  - 3G/LTE/VSAT modem to allow remote monitoring anywhere in the world
  - 87 HP Diesel powered HPU

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