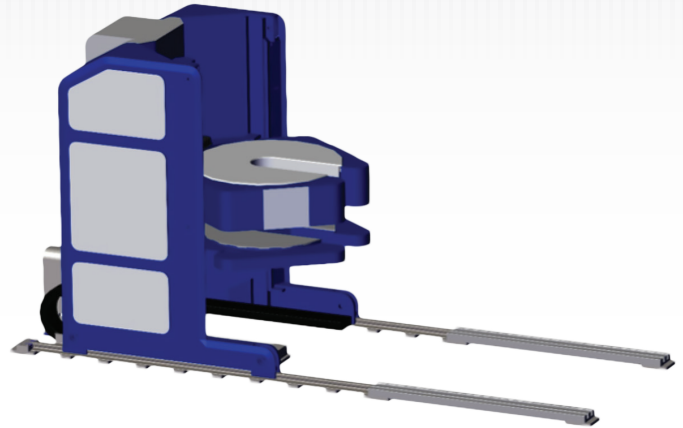


Robotic Roughneck

RRN-250

The electric robotic roughneck is the world's first fully electric, robotic roughneck for making precise connections during drilling operations.



Replacing the need for casing crews and manual tongs, the electric roughneck is capable of handling high torque (250 kNm) and enables full control of all parameters. It can be used for various sizes of both drill pipe and casing. The height of the torque wrench and backup tong can be individually adjusted to handle bottom hole assemblies and other challenging drilling operations

The all electric make / break functions and clamping functions allows for applying accurate torques in accordance with OEM tubular recommendations.

Its large range from 4 inches to 14 inches allows the RRN to torque casing and combining data from the RPH's Spinner Grippers with the data from the RRN which gives a complete torque-turn curve for the connection.

FEATURES & BENEFITS

- Fully electric with 250 kNm capacity
- Handles tubulars up to 14"
- Self-contained with controls built-in, for easy installation and integration
- Easy installation, only power, communication and air has to be connected
- Low maintenance requirement due to use of standard electric components and gears
- Automatic operation
- Triple grip torque wrench (equal distributed) with high accuracy control
- 120 degrees total rotation per grip, evenly distributed torque applied continuously
- Possibility for long distance between wrenches

SPECIFICATIONS

Service	Make up and break out connections of drill pipe, tubing, subs and casing
Torque (preliminary, based on prototype actual capacity)	250,000 Nm (between torque wrench and backup tong) 75,000 Nm (between torque wrench and tracks)
Pipe capacity (dia.)	4 inches to 14 inches
Weight	12,000 kg
Dimensions (HxWxD)	3,9m x 2,5m x 3,4m
Power requirements (preliminary)	Approximately 80 kW peak, 22,75 kW on average. Voltage: 400-480 VAC, 50/60 Hz / 3 phase+ N Circuit breaker: 100A Built-in energy recovery system

SALES INFORMATION
info@Canrig.com

RIGLINE 24/7™ SUPPORT
US & Canada: 866 433 4345
International: +1 281 774 5649
support@rigline247.com

For more information go to www.nabors.com/equipment or visit us at Kvaalkroken 30, 4323 Sandnes, Norway.