

ENDLESS ROD[®] UNIT

REALIZE LOWER WELL INTERVENTION COSTS IN NON-TUBING WORKOVERS

The Lifting Solutions Endless Rod Unit (ERU) is a fully self-sufficient unit designed to perform well interventions such as installing and servicing Endless Rod, pump changes, and parted rod jobs. The ERU features a hydraulically operated continuous rod gripper for safe, cost-efficient servicing of continuous rod. This unit is compatible with vertical or slant wellhead configurations for oil, gas, and coalbed methane (coal seam gas) wells.

The Endless Rod Unit is fast and efficient, especially within highly concentrated well sites: the gripper trips rod at a rate of up to 100 ft/min (30 m/min), the unit can be rigged-in and rigged-out exceptionally quick, and its automated design minimizes human intervention. All ERU on-board systems are fully integrated and feature world-class safety components including a blowout preventer (BOP), an emergency clamp system, and a full array of safety equipment.



BENEFITS

- Truck mounted for quick deployment and movement to the well site
- Ergonomic and practical design minimizes pinch points and reduces the risk of injury
- Mast-mounted auxiliary winch boom-arm provides a greater range of light hoisting over and around the well
- Automatic load-line system eliminates climbing, installing, and removing load-line pins
- Hydraulic tank heaters warm fluids while driving to the wellsite or during operation, enabling cold temperature start-up and operations
- Cab is mounted on a twin steer, tandem axle chassis
- Two mast-mounted utility winches



APPLICATIONS

Continuous rod and conventional sucker rod interventions:

- Installing, surfacing, and fishing Endless Rod strings
- Changing insert pumps
- Progressing Cavity Pump rotor replacement

Light well interventions:

- Unset and flushes
- Frac stacks/return to production
- Wellhead changes
- Polished rod changes
- Removing and replacing driveheads and stuffing boxes
- Spacing and respacing rod strings



SPECIFICATIONS

MAST	
Height	58 ft 17.7 m
Maximum capacity	70,000 lb 31,750 kg
Maximum slant capacity with anti-skid beam	42,000 lb 19,090 kg
CONTINUOUS ROD GRIPPER	
Maximum capacity	50,000 lb 22,680 kg
Rod trip rate	100 ft/min. 35 m/min.
HYDRAULIC DRAW WORKS (MAIN WINCH)	
Maximum capacity	70,000 lb 31,750 kg
MISCELLANEOUS	
BOP rating, optional 3-in. rod	3,000 psi 20.6 MPa
Rig-in/rig-out time	15-30 min.