

Flora lite

Predictable, controlled connection makeup

Applications

- Land / offshore environment
- Mechanized rigs
- Rig floors with limited footprint

Features and Benefits

- Supports independent tong arm for hanging casing or tubing tongs
- Offers improved control over conventional methods
- Limits manual handling of power tongs
- Reduces personnel on board with integrated torque turn analysis system
- Reduces rig up time
 - Can be removed from, or hung vertically on, the rig floor after pipe running operations, leaving the rig floor clear
- Improves run time
- Creates a safer rig floor

Flora™ lite combines mechanized power tong positioning and integrated torque turn analysis to limit required personnel on board for tubular running services (TRS) operations. This solution offers our LeadHand™ 2, Power Tong, and Flora™ connection evaluation system (CES), all in a small footprint for reduced rig spaces. The use of this equipment reduces the manual handling of heavy machinery and the number of personnel in the Red Zone.

Technical specifications

Pipe sizes	Up to 14 in.
Torque range	Up to 100,000 ft/lb
Max. hydraulic pressure	3,000 psi
Hydraulic flow	60 gpm
Max. push force	2,205 lb _r
Extension	5.4 ft
Dimensions (L x W x H)	8.2 x 3.3 x 9.8 ft
Operating temperature	-40°F to -76°F (-40°C to 60°C)
Certification	IECEx Zone 1
Remote data	Capable

The LeadHand system consists of a hydraulically powered articulating arm. It requires only one operator to manipulate the power tongs and control the movement of the LeadHand system. The operator guides the LeadHand to and from the well center. The operator also controls the lift cylinder and other tong functions for the power tong to complete a makeup.

Flora CES provides a safe and effective solution for makeup of premium and API tubular connections. The mounted torque turn analysis system enables the TRS operator to evaluate the makeup graphs during the operation which alleviates the need for a dedicated torque turn technician.

Safety and handling

Before handling, transporting, or use, review the Owner's Manual for guidance.

