

# LIFT-O-FLEX<sup>®</sup> *By* **RONI**

## 93096 Series $\text{Ex}$ 19000 EEx d Explosion Proof Lifter Designed for the 19000 Series Lifter

ATEX Compliant for European Zone 1 and US NEC 505 Zone 1 Hazardous Locations



The 19000 EEx d Series Explosion Proof lifter offers users the flexibility to meet the demands of explosion proof material handling needs combined with ergonomic lifters. The lifter is self-contained and has Explosion Proof enclosures for the control panel, Power Pack (batteries) w/Charger along with motor(s) according to the requirements as noted in the “Certificates of Compliance as noted below.

The battery compartment can be mounted permanently to the lifter for charging outside the EX room or can be mounted with “quick disconnect” feature for charging in a neutral zone.

The 19000 EEx d series lifters are comprised of modules that allows for inter-changeability of components in order to meet your ergonomic lifter requirements while maintaining the ability to adapt the lifter to meet the challenge of meeting tomorrow’s lifter needs today.

The lifter can be provided with a variety of end-effectors for load handling. The lifter shown is equipped with a SQUEEZE-O-TURN™ EEx d rated for 55 gallon drum handling. Also mounted is a weight scale for tare weight reconciliation.

Each lifter is comprised of modules for easy assembly. The legs are separate and mount to the intermediate section with 8 bolts each side. Casters are mounted to the front and a single swivel caster at the rear. A foot operated rear central braking system is used on the lifter. The three (3) position braking system is used to enhance safety and lifter workability. (Rear casters can be locked in trailing position for easy transport-independent swivel or locked for stationary positioning).

The intermediate section is provided with a lift motor for powering the mast slide for easy and safe movement up and down of the end-effector. The mast is totally enclosed and is provided with a ball screw for smooth up and down DC powered movement. A slip clutch on the down movement provides for safe load handling.

### Certificates of Compliance:

**Control Module – EN 50014: 1997 + A1...A2, En 50018:2000, Certificate EX II 2 G EEx d T6 or T5 or T4**  
**Battery Compartment w/Charger – ATEX EX II 2 G D, EEx d Certificate KEMA 02 ATEX 2103**  
**Motors – UL listed for hazardous locations Class I-11, Group D-F-G, Operating Temperature 160° C**

Steel drums along with fiber and plastic can easily be handled with the 19000 EEx d Series Explosion Proof lifter. A push button panel in the front of the control cabinet can be provided or a remote pendent can be utilized so that the operator can visually access the loading and unloading process. This option enhances the functionality of the lifter and provides for greater ease in operation.



Push Button Control Panel



Optional Remote Control



Battery and Charger Panel



**Optional Scale:** A scale can also be provided to weight loads during processing operations. The scale is safe and easy to operate and provides the operator with weight information in order to perform timely production weighting without offloading the drum to a separate scale. The unit saves time and effort and provides for greater operator efficiency.