

Custom Designed Material Handling Solutions



FLIP-RITE® WITH LEVEL-RITE® Operator Safety Manual

Introduction and operation

Your FLIP-RITE® Materials Handling System comes complete except for the wiring. Wire the unit to a properly grounded electrical power source.

Once the electrical connections are made, lift the FLIP-RITE® unit on your hoist or crane hook a few feet in the air. Using the pushbutton controller verify the operation of the knurled drum matches the indications on the unit. If it does not, change any two poles at the power source.

Feed the disconnected slings over the knurled drum. It may be advantageous to position the midpoint of the slings on the knurled drum.

CAUTION: Damage may occur during operation if the disconnect links are allowed to contact the FLIP-RITE® unit and/or knurled drum.

Advise the operator to ALWAYS be aware of the location of the disconnect links. This unit is not designed to allow the links to pass over the rotation shaft.

Place the slings around the load to be rotated. Position the slings on the load and knurled drum so the load will be lifted level.

Locate both disconnect links in a position to allow uniform travel without contacting the FLIP-RITE® unit.

Slowly lift the load verifying that it is lifted level.

CAUTION: Only operate the FLIP-RITE® while it is level.

Only operate the LEVEL-RITE® while it is under a 15 degree angle from horizontal.

Reviewing the Decals

Decal sites

Review the included Identification and Safety Standards sheet to ensure that all decals are in place before use.

Inspection procedures

Safe operating practices require scheduled inspection procedures to ensure that the FLIP-RITE® and LEVEL-RITE® unit are maintained in a safe operating condition.

Before inspecting or servicing the FLIP-RITE® or LEVEL-RITE® unit, disconnect, lock open and tag the power source to prevent power from being applied during inspection or repair procedures (ANSI Standard Z244.1). Before beginning repairs, try the operational controls to verify that the power source is actually disconnected.

The FLIP-RITE® and LEVEL-RITE® unit must be inspected visually at the beginning of each shift to be sure it is in safe operating condition. All capacity, weight and safety markings must be in place and legible.

Periodic inspections of the FLIP-RITE® and LEVEL-RITE® unit must be scheduled at least every six months. Units used in high duty cycle environments require more frequent inspections. For example, steel mills, foundries and paper mills may need monthly inspections.

Periodic inspections must check for at least the following conditions:

- Loss of weld integrity
- Signs of structural fatigue or deformation
- Wear in excess of 20 percent of original on bail, connecting pins, hooks or associated hardware

Spreader beams with any of these problems must be removed from service immediately.

Items to be lubricated

- LEVEL-RITE® rotation bearings, nut and drive screw.
- Trolley wheels on bail assembly
- Chain-Sprocket drives
- Knurled drum bearings
- Gearmotors per manufacturer's maintenance sheets

Bail Inspection

Greater care must be afforded to inspecting the saddle portion of the bail for wear.

1. This is the area of the bail that contacts the crane hook (see illustration below).
2. **DO NOT USE** if the saddle measures less than 80% (4/5) of the original dimension.

Refer to the certified drawing for the original dimension.

3. Inspect for indication of structural fatigue, including but not limited to:
 - a. Cracks in and around the welds.
 - b. General deformation of the structure.

