



## Liftomatic Material Handling, Inc.

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### OPERATING AND MAINTENANCE INSTRUCTIONS FOR LIFTOMATIC MODEL TD-850-ML "DRUMVERTER"

- 1) Inspect unit upon arrival to see that all parts are intact and that no visible damage is apparent. Remove packing materials and shipping pallet. Adjust straddle legs (Fig. #9) to desired length for capacity of drum being handled. Note the unit is set from the factory to handle an 850-pound load.
- 2) Begin by opening front saddle of the unit (Fig. #6), opening the locking mechanism, and swinging the quarter saddle arms outward. Using the foot pedals (Fig. #10), lift or lower the saddle so it will meet the mid-section of the drum intended for pick up. Rotate the crank handle (Fig. #11) so the saddle is parallel with the floor (and drum).
- 3) If necessary, release the foot floor-lock (located between the two rear swivel casters), and position the TD-850 against the drum so the midsection of the drum rests completely into the back half of the saddle. Now RESET the floor-lock (by stepping down on it). Close the front quarter arms of the saddle around the outer half of the drum and re-set the drum locking (hinge) mechanism.
- 4) With the drum secured in the saddle, depress the lifting foot pump to raise the unit to the desired dumping height. Upon the first few pumps, verify that your drum stays properly in the saddle. If the drum shows any signs of slippage, return it to the floor, and adjust the saddle to a tighter tolerance.
- 5) Using the crank handle (Fig. #11), rotate the drum forward until the desired dumping angle is achieved. The anti-reverse gearing will allow you to stop the rotation of the drum at any point along the path of travel.
- 6) If needing to dump plastic or fiber drums, install the plastic/fibre drum adapter (optional) into rear saddle holder (Fig. #4). Be sure to adjust the adapter height accordingly for each drum in question. Drum lids should also be removed before installing the top "retaining" portion of the drum adapter.

**\*\*NOTE\*\*** *The TD-850 allows the operator to rotate the drum in either direction for pouring/mixing purposes. Dumping of materials in a "backward" fashion (toward the operator) is never advised.*

**\*\*\* WARNING\*\*\*** *When lowering the unit, keep hands away from the crank handle and lift/lower cylinder on the unit. Further, the lowering pedal is pressure sensitive, and should be depressed slowly to bring each drum back to floor level.*

#### **MAINTENANCE:**

- 1) Grease mast and rollers monthly (Fig. #1, #2) to allow smooth movement of inner frame and saddle.
- 2) Check toggle clamp hardware (Fig. #6) monthly for safe adjustment on different diameter & size drums.
- 3) Inspect hydraulic cylinder (figure #8) for any leaks or drift in cylinder during lift cycles.
- 4) Keep all visible moving parts well oiled with light grade oil. Periodically grease the inner rails of the TD-850 so guide wheels roll smoothly on the lift/lower cycles.