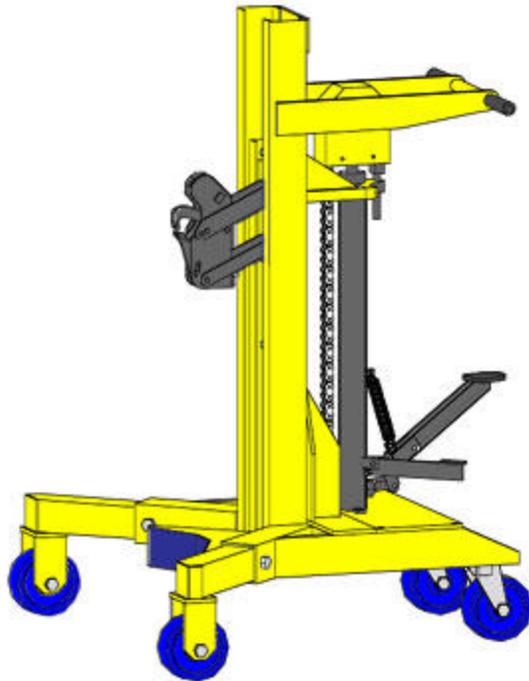


# ERGO-MATIC® DRUM TRANSPORTER

## OWNERS MANUAL



Liftomatic Material Handling, Inc.

700 Dartmouth Lane  
Buffalo Grove, IL 60089  
Tel: 800-837-6540 or 847-325-2930  
Fax: 847-325-2959

Email: [info@liftomatic.com](mailto:info@liftomatic.com)

**WARNING:** Do not install, operate or service this product unless you have read and understand the safety practices, warnings, and operation/service instructions contained in this manual. Failure to follow these guidelines may result in personal injury and or property damage. Please contact Liftomatic should you require additional information (PH: 800-837-6540 FX: 847-325-2959). Thank you.

## **INTRODUCTION**

The Ergo-Matic drum transporter is designed for lifting and moving drums/barrels in a wide variety of industrial settings. It can be used for loading and unloading of drums from conventional wood pallets, containment or "spill" pallets and platform scales. The Ergo-Matic series contains more than 12 models with capacities up to 1000 pounds. An assortment of options and modifications to suit varying needs are also available.

This manual contains information to acquaint you with the safe and proper use and upkeep of an Ergo-Matic drum transporter. The manual should be available to personnel working with the unit. Before operating the Ergo-Matic, read and understand this entire section to become familiar with the unit.

## SAFETY PRACTICES

1. Be certain that the drum load weighs no more than the unit's maximum rated capacity.
2. Do not transport drum at the maximum lifting height when moving the Ergo-Matic under load. See that mast is lowered so the drum has only the necessary floor clearance.
3. Keep hands or feet away from "V" area in front of the unit and/or under bottom of the drum during operation.
4. Do not use the unit on inclined floors with a slope of more than 5 degrees. Consult your supervisor if you are unsure of this requirement.
5. Keep hands or other objects clear of lifting chain, clamping head and mast during operation.
6. Be certain that both chain anchors are securely in place before lifting.
7. Never lay the unit down horizontally without locking the inner mast and outer mast together.

## OPERATING INSTRUCTIONS

The Ergo-Matic employs Liftomatic's patented parrot-beak? clamping mechanism. Clamping jaws will grab or release the drum automatically when raising or lowering the clamping head on a drum.

The Ergo-matic is designed to handle a wide variety of rimmed drums with different heights. The clamping head is pin-mounted on the inner mast. There are three adjustment holes on the inner mast. The height of the clamping head can be adjusted by positioning in different adjustment holes based on the height of drums. Units shipped from the factory are set to pick up 35" high standard 55 gallon drums.

1. Remove all packing materials, protective strapping and wood blocks used for shipping. For shipping compactness, the straddle legs are set up to 600 lbs. capacity mode. To adjust for 800 or 1000 lbs. capacity mode, loosen the bolts (part #36) and take them out of the mounting holes on the frame. Pull the straddle legs outward about until the second or third hole on the legs align with the mounting holes on the frame. Put back the bolts and tighten them with lockwashers and nuts. Before using, open the breather screw on the hydraulic cylinder (Figure 1) to prevent air-lock.
2. To lift a drum, push Ergo-Matic toward the drum until the clamping head contacts firmly against the drum sidewall. Secure the unit in this position by engaging the floor lock before lifting the drum. See Figure 2. Raise the parrot-beak by stepping on the pump pedal located on the right back side of the unit. The jaws will automatically grab the top chime when raising the clamping head. The drum will be lifted up with further pumping. WARNING: Do not attempt to overload the unit beyond its rated capacity, or raise drum beyond its maximum lifting height.
3. To transport a drum, disengage floor lock first, if applicable. Adjust the height of the drum to approximately 2 - 3 inches above the floor.

WARNING: Never move the drum at its maximum lifting height. Then push or pull the unit to the desired location. WARNING: Never leave the loaded unit on an inclined floor without applying floor lock on. Doing so may cause the unit to roll by itself and cause property damage or personal injury. WARNING: Never operate the unit on an inclined floor with a slope of more than 5 degrees.

4. To pick up a drum from a pallet, push the Ergo-Matic forward and approach the drum from a corner of the pallet until the clamping head firmly contacts sidewall of the drum. Then follow Step 2.
5. To disengage the drum, use your foot to gently depress the release valve pedal on the left back side of the unit. The clamping jaws will retract automatically when the drum sits on the floor or a pallet. Simply pull the unit away to free it from the drum. WARNING: Never press the release valve pedal too hard. It may cause the drum to fall too fast and damage the drum.
6. To adjust the clamping head to a different adjustment hole, raise up the inner mast so that three adjustment holes are clearly above the outer mast. Use one hand to hold the clamping head and use another hand to pull out the L-shaped adjusting pin. Slide the head up or down to the desired height and put pins back securely in place.

## MAINTENANCE INSTRUCTIONS

1. Before every usage, check that all springs, pins, casters, lift chain and its anchors are in good working order and hydraulic jack works properly without leakage. WARNING: Do not operate the unit if any part is missing or in poor condition, as this will directly affect the performance of the unit.
2. On a monthly basis, lubricate casters, wheels and chain sheave with grease through grease fittings. Spray light grade oil on moving parts in the clamping mechanism to ensure smooth operation. It is recommended to keep the clamping mechanism well oiled and free from foreign materials which may impede proper operation of jaws and springs. WARNING: Do not leave the Ergo-Matic? outside in rain, snow, etc. for extended periods.
3. For heavy usage of the unit, It is recommended to replace all springs, hydraulic oil and sealing components of the hydraulic cylinder once each year to ensure that the unit maintains a longer working life.

For any further technical assistance, please contact the Customer Service Department of Liftomatic Material Handling, Inc.

Telephone: 847-325-2930

Toll Free: 800-837-6540

Facsimile: 847-325-2959

Email : [info@liftomatic.com](mailto:info@liftomatic.com)

Website : [www.liftomatic.com](http://www.liftomatic.com)