

**Yale**<sup>®</sup>  
People. Products. Productivity.™

Multi-level order selector



## **MO Series**

5,000 lbs.

# A flexible and innovative solution for your existing and potential needs

When it comes to efficiency and productivity in warehouse operations, the MO series takes order picking to a new level. With enhanced performance, maneuverability and a range of innovative features, this is a multi-level order picker designed to ensure your operators are more comfortable and your business more productive.

The MO Series provides enhanced capabilities for both existing and planned facilities. In existing operations, it offers the opportunity for new slotting strategies and increased SKU capacity along with decreased travel path times without adding to the footprint of the warehouse. For new facilities there is the potential for a reduction in building costs with a smaller warehouse required to stock the same amount of SKUs. All of which adds up to a more productive, cost effective operation.



## Highlights

- Ergonomics**  
Power steering, optimized operator compartment and adjustable features help increase operator comfort and productivity.
- Productivity**  
Proven AC motor technology with adjustable acceleration, travel and braking speeds and a rising operator platform take productivity to the next level.
- Cost of operation**  
Integrated control system, adjustable performance settings and regenerative braking elevate efficiencies and reduce overall cost of operation.
- Dependability**  
Heavy duty frame, sealed connectors and a robust pull rod design ensure long term reliability.
- Serviceability**  
One-piece hood, single-point diagnostics and low-maintenance AC traction motor with vertical or lateral battery extraction helps to streamline serviceability.



## THE **MO** MULTI-LEVEL ORDER SELECTOR

*CAD reproduction of the MO25*



# Comfortable and confident operators

The MO Series is specifically designed to ensure picking operators enjoy an enhanced working environment, with a resulting reduction in fatigue and increase in efficiency.

Finger tip control with power steering reduces the arm movement required to change direction while the design also allows the operator to remain within the footprint of the truck at all times for greater personal protection.

Second level picking is activated by operation of the foot control located within the platform for a hands-free lift and lower.

## Coast control

Slow-speed forward and reverse direction buttons on both sides of the backrest allow the operator to advance the truck to the next pick location while walking alongside it. This feature eliminates the need to re-mount the truck, helping to reduce fatigue and improving efficiency.

These combined features can reduce operational effort and the distance the operator has to reach when picking from rack to pallet, helps to increase efficiency and operator productivity.

The large platform with open accessibility allows operators to easily step through the truck to pick from both sides. In addition, the entire platform floor area acts as a presence sensor, permitting the operator to drive and operate the truck in whatever standing position is most comfortable.



## Control handle

The finger tip control reduces arm movement required to change direction, allowing the operator to remain within the truck footprint at all times for protection as well as helping to reduce operator fatigue and increasing productivity.

The wrap around design keeps the operator's hands within the interior perimeter of the handle and the large control buttons are conveniently positioned helping to reduce fatigue and repetitive movement.



## Power steering

Fly-by-wire power steering helps to reduce operator fatigue for greater productivity and reduces steering effort by up to 90%.



## Operator compartment

The low step height of just 6 inches provides easy on/off access, while, the floor compartment area easily accommodates large steel toe boots.

High operator backrest, soft to the touch and contoured, allows the operator to locate the most comfortable operating position.



## Operator platform

The suspended platform area helps increase operator comfort and allows easier pass through to optimize picking from both sides of the truck. The operator sensing floor mat covers the entire platform area to detect when the operator is on board. The optional lifting platform is foot controlled to facilitate ground and second level picking, reducing the distance the operator has to reach when picking from rack to pallet. This can help reduce fatigue and also allows the operator to lift and lower hands free after 2nd level picking.



## A total business solution for multiple operational challenges

Providing an increase in productivity and a decrease in downtime, the MO Series is one of the most innovative solutions for your multi-level order picking needs. The dual technology combi-controller and AC traction motor increase energy efficiency and ensure that full capacity loads can be moved without an increase in energy consumption. The MO series can be tailored to your operation and designed to address the challenges of today's ever-changing business climate.

The multi-level order picker leverages the capabilities of a conventional pick vehicle with the speed and efficiency of a pallet truck. The operator can easily access the 6-10 foot strike zone with increased safety and less effort.



## Pushing productivity in the right direction

When you want to pick more product, faster without the introduction of more pick zones and travel time the MO25 is an ideal solution. Its adjustable performance settings allow the truck to be customized to the needs of the application and operator. In new and existing facilities this means that more can be stored and moved quicker, in a smaller footprint and with less touches.







**Conventional configuration**  
 The traditional slotting profile and rider pallet truck typically allows for 2 slots per bay.



**6 slots per bay = 300% in SKUs**  
 Reconfigure the slot design, access the 6.5-10' strike zone and gain 4 more pick locations or a 300% increase in the number of SKUs per pick zone.

**6.5-9.5 feet**  
**6 Slots**  
**0-6.5 feet**



**8 slots per bay = 400% in SKUs**  
 Flexibility in slotting strategies afforded by the Multi-level order picker allows for virtually limitless configurations. Add 8 slots for a 400% increase in SKU storage over the traditional design.

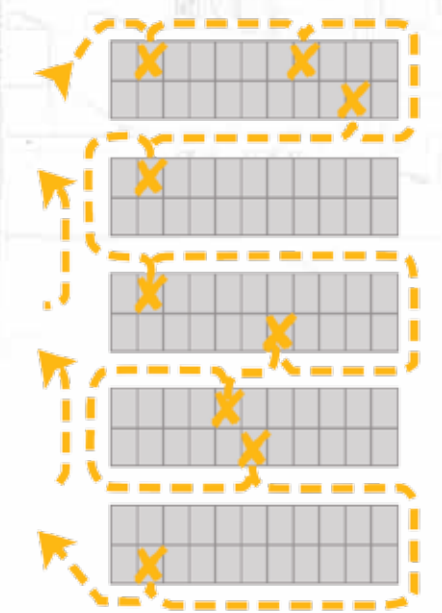


## Reduce multiple pick zones, product touches and pick vehicles

In many applications, the operator is required to travel the whole pick path to complete one order. The multi-level order picker provides the opportunity for different slotting strategies that will enable more SKUs to be stored in less space. Since the travel component of the pick process can make up to 70% of the total time, integrating the multi-level order picker into an efficient slotting technique can optimize the overall operation. This methodology can greatly enhance efficiency and productivity.

## Flexible slotting profiles to maximize efficiency and growth potential

The Yale® MO25 can all but eliminate the need for a merge process. Efficient picking from multiple zones across a large warehouse often requires a pallet truck and high level order picker. By slotting fast movers in the 0 – 6.5 foot range and dedicating the 6.5-10 foot range to slow movers and storage, the operation can be maximized for revenue per cubic foot and replenishment penalties can be minimized.





# Designed for demanding applications

When things need to keep moving throughout the supply chain, you need a truck that has the stamina and is the right fit for the right job. The MO series provides power and innovation in equal measures.

Its wide range of capabilities are ideal for cross docking and load shuttling as well as order picking in intensive and high throughput warehouse operations such as the food service, grocery and pharmaceutical sectors. It can be adjusted to the needs of a specific application and operator to provide a tailored solution. The intelligent features including easily accessible components, fully enclosed motors and simplified diagnostics help ensure that service requirements and costs are minimal.

## Key Features

**AC traction motor** – The powerful high thermal capacity AC traction motor with built in thermal protection is fully enclosed for protection against damage and debris maximizing uptime. Travel speeds up to 9 mph, high performance acceleration and braking make it ideal for stop and go applications.

**Service access** – The one piece durable polymer covers are retained by two easily removed screws providing quick and easy access to all components. This allows service and maintenance to be carried out with minimum downtime.

**Connectors and sensors** – Double sealed IP65 industrial wire harness connectors provide reliable operation, long life and trouble free service. Non-contact hall effect sensors deliver reliable, dependable operation reducing the high maintenance associated with potentiometers.

**Forks** – The robust design of the fork system components helps reduce stress and improve overall durability. The heavy duty pull rod and load wheel axle helps ensure long term reliability.

**Frame** – The MO25 frame design utilizes industrial grade design, helping to ensuring long term reliability and durability. A sturdy wrap-around bumper plate protects the truck and internal components against impacts and damage and minimizes repair costs.

**Cold store option** – A cold store option is available to operate in temperatures down to -22°F (-30°C).

# The Yale experience

With Yale, you know you're getting more than just a truck. You're getting the complete Yale experience. It's the promise we make that goes beyond our products, and our commitment to support you with the best service in the industry.

**Dealer network** – Yale customers have direct access to among the best forklift products and services through our extensive, independent dealer network, featuring 340 worldwide dealer locations (225 in the Americas) with an average of more than 25 years of experience in materials handling.

**Rental** – Long-term rental can provide flexibility for equipment and term tailored to your operation, fixed cost, maintenance and maximum uptime without major capital investment. Coupled with Yale® dealers' extensive short term rental fleets, businesses can meet peak production or seasonal requirements while keeping their fleets sized for their everyday needs.

**Fleet management** – Even if you operate other brands, we can manage your maintenance and replacement plan. We can offer complete fleet analysis, fleet history summary and a cost-effective proposal for replacement and scheduled maintenance.

**Innovations** – One size doesn't always fit all. Yale has engineered a variety of truck modifications to meet the ever-changing needs of its customers and their changing applications. In addition to standard and optional truck features, Yale offers an impressive list of special truck enhancements designed to increase your productivity.

**Operator training** – Proper education in operating lift trucks minimizes the risk of injuries due to accidents while increasing productivity. Yale offers OSHA compliant materials that support the training of qualified operators.

**Replacement parts** – Your authorized Yale® Lift Truck dealer offers genuine Yale® parts and quality parts for other makes (PREMIER™ Parts) as well as service programs - all designed to keep your trucks running efficiently and cost-effectively.

**Financial services** – Yale® Financial Services specializes in financing your lift truck needs. Our programs make it easy to acquire the use of a lift truck or an entire fleet.






For more information, or to find your nearest Yale® dealer, go to [Yale.com](http://Yale.com).

**Yale** 

YALE MATERIALS HANDLING CORPORATION

P.O. Box 7367, Greenville, NC 27835-7367

[www.yale.com](http://www.yale.com)

Yale is a Registered Trademark and  is a Registered Copyright. ©Yale Material Handling Corporation 2013. All Rights Reserved.

Manufactured in our own ISO 9001 and 14001 Registered Facilities

2582 - 8/13 All trucks shown with optional equipment.