



# MS Series.

**1,000kg, 1,200kg, 1,400kg, 1,600kg, 2,000kg**

**1,200kg, 1,400kg, 1,600kgs Initial Lift models available.**

Electric pedestrian stacker





# Confidence is everything.

## Next Generation Stacker.

A low-cost materials handling solution that makes the most of valuable warehouse space.

The Yale® MS Series is a highly controllable and agile pedestrian stacker with lift capability suitable for a range of user heights and experience levels. The MS series provides operator confidence via good through-mast visibility, robust construction and broad usability.

Ideal for use in storage rooms of supermarkets, small-scale warehouses and cold stores, industrial manufacturing, retail operations and assembly operations where a low-cost solution for storage and retrieval is required. The ergonomic design of the MS series helps maximise operator productivity when handling open sided pallets and containers and placing goods into the multi-level racking.



Tiller arm is positioned vertically mid-height and horizontally off-set for walk-along operation and manoeuvring for a wide range of users

# Low lift, high productivity.

## Productivity

- The outstanding field of vision through the mast allows the user to operate with confidence
- Maximum fork tip visibility
- One-piece base and arms structure means a more robust construction
- High residual capacities across the model range
- Fast lift and lower speeds
- Precise positioning control
- Initial Lift models for use on irregular surfaces, loading levels and ramps are available



Excellent field of vision through mast

## Ergonomics

- The vertically mid-mounted, horizontally off-set tiller for both walk-along operation and manoeuvring allows easy use by a range of user-heights
- Angled grips make the MS range comfortable to use and butterfly switches allow for various operating positions for either hand
- Easy access to lift/lower buttons allows the user to control the lifting or lowering of the load while maintaining full control of the truck
- Top mounted horn within easy reach for the operator
- Acceleration and deceleration are smooth and progressive: predictable control for the operator
- Easy side battery removal option for fast changing of power, reducing downtime



Butterfly switches allow for multiple operating positions for thumb and fingers, with either hand

## Serviceability

- Adjustable mast alignment
- Quick-remove covers to allow access to key components
- Battery discharge indicator enables the operator to anticipate charging requirements
- Combi-controller features a single power contactor
- The driver motor, sensors and wheels are easily accessible to minimise maintenance
- Sealed-for-life transmission reduces downtime
- 3,000 hours service interval on hydraulic oil and filter change reduces service intervention requirements



Quick-to-remove covers allow for easy access



## Dependability

- Robust chassis design ensures the truck can withstand the rigours of everyday use
- Key components protection - closed underside of truck
- Maximum protection of motor/hydraulic compartment components from ground debris and splashes ensures truck longevity
- The keypad or key switch is ingress protection rated to IP65 standard to resist dust ingress and low pressure water jets
- VSM/CANbus communication: The Vehicle System Manager and CANbus communication with two redundant microcontrollers ensure reliable transmission of data

## Low cost of ownership

- High residual capacity means that heavy loads can be moved in shorter times
- Stable load handling means that the operator can confidently move loads while negotiating tight spaces
- Ergonomic design of tiller arm and controls mean less operator fatigue and stress
- Mast rollers are permanently lubricated and sealed for maximum service life
- Strengthened frame and heavy-duty covers reduce service and repair costs over the life of the machine due to sturdy construction
- The display leads to rapid identification and repair of issues to ensure maximum uptime
- Low energy consumption means more loads can be moved per battery charge



# Longer lasting durability.

Bolt-on mast allows quick and easy disassembly and assembly for servicing and mast changes

Faster lifting and lowering speeds for both laden and unladen forks lead to quicker load-handling cycle times

The tiller head is easily disassembled for access to control cards, switches and cable connectors

Creep speed button, positioned on the underside allows operation by other hand

Cross-members on the mast position to maximise field of vision both in the lowered and raised mast positions

Highly stable mast design allows the operator to function with confidence

One-piece welded frame and heavy duty covers help reduce service and repair costs over the life of the machine

Enhanced stability from wheel lay-out

The initial lift increases the distance from the ground, allowing transfer on irregular surfaces, loading levels and ramps. Speed is automatically reduced with forks raised



# Yale at your service.

## Productivity

Whatever Yale materials handling equipment you're using, rest assured it's engineered to deliver superb levels of productivity.

AC traction motors provide travel speeds up to 6 km/h, while offering high levels of stability. Precision lifting controls allow the operator to easily handle loads up to 2.0 tonnes.

## Ergonomics

The more comfortable your operators, the more productive and profitable your operation will be.

The mid-mounted tiller arm and ergonomic design of the tiller head makes the stacker comfortable to use by a broad range of operator heights. The stacker's speed is controlled with natural thumb movement of the well-engineered butterfly control, and the dash panel components are designed to be within easy reach.

Access to the battery compartment is quick and easy. Low noise level of only 67.7 dB(A) contributes to a quieter working environment.

## Reliability

The truck benefits from a robust design for the frame and covers. Sealed connectors and high levels of ingress protection on electrical components contribute to overall reliability.

## Serviceability

The Yale MS10-20 range is engineered to be easy to service. It includes a battery discharge and alarm code indicator and quick-to-remove covers and the transmission is sealed for life and the service interval for hydraulic oil and filter change is 3000 hours.

## Cost of ownership

Yale and its dealer network are committed to supporting customers. The durable design and low energy consumption of the MS10-20 range help keep the ongoing running costs under control.

## Available options

The Yale MS10-20 offers a comprehensive range of options, which means that the stacker can be finely tuned for every customer application. Options include:

- Key pad access
- Cold store version
- Lateral battery extraction
- Several load and drive wheel options.
- Wide range of fork lengths and widths
- Integrated load backrest
- A4 clipboard
- Film roll holder
- Drink holder
- Multi-purpose bar
- Clamp
- Standard and extended warranty options

# About Yale<sup>®</sup>



Yale is a leading global manufacturer and supplier of high-quality counterbalance forklift trucks, warehouse equipment and fleet solutions. 'People, products and productivity' sums up our approach to materials handling business. With over 140 years' experience, we are proud of our reputation as an innovative, forward-thinking manufacturer.

Yale dealerships provide flexible truck servicing solutions and are linked to one of the industry's most sophisticated parts distribution operations. You'll find support for Yale forklifts throughout the EMEA region – provided by a big regional footprint stretching through Europe, Middle East and Africa.

## Materials handling for:



Automotive



Beverages



Chemical



Construction



Food



Logistics



Metals



Paper



Retail



Wood

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