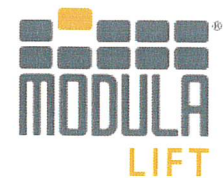# MODULA LIFT features

Modular Frame Construction

Units feature a modular frame construction, being fully structural and not relying on exterior cladding to add to the unit's strength. Unit heights can easily be increased or decreased as needed in the future.

Steel Reinforced Toothed Belt Lifting Design

Heavy-duty, steel reinforced toothed lifting belts provide unsurpassed safety with secure lifting on both sides of the tray.

Tray Weight Monitoring

Units weigh and log the tray's product load each time a tray is stored and automatically protects from the possibility of overloading.

WMS Software

WMS Software with a wide range of functionalities available allows for simple integration to your HOST system and provides rich, simple information to users.

Single-Level or Dual-Level Tray Delivery Types

Trays may be delivered to the user at either a single lower level, or where required, the second tray in queue is ready and delivered above the lower after picking is complete.

Internal or External Picking Bay Types

Internal-bay configurations available for smaller parts storage and reduced unit footprints. An industry exclusive external-bay configuration is also available for the fastest throughput rates and true top picking applications.

Automatic Closing Door

An automatic shutter type door for the access opening area is available. The door provides increased security, aesthetics, and sound reduction.
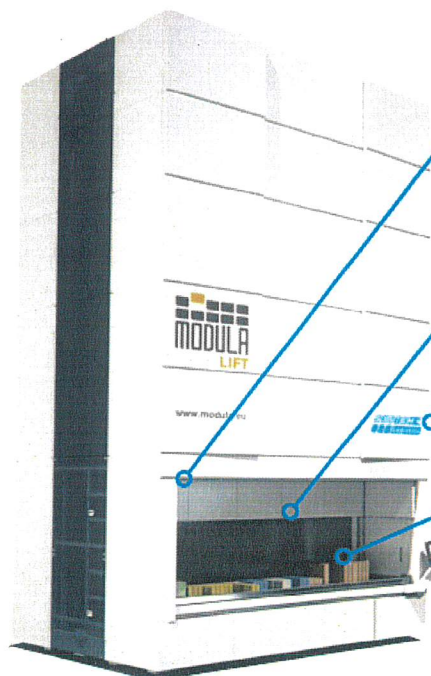
UL/TUV-GS Certified

Units are TUV-GS Certified providing unsurpassed operator safety. Controls and electronics comply with the UL standards.
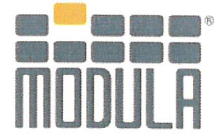
Dynamic Product Height & Storage

Products located in trays are measured precisely each time stored, ensuring the highest storage density possible with 1.0 in. adjustablity.

CoPilot Operator Interface

The 10.5" color touch screen interface provides full access & information to the user for any task required, including graphical tray layouts.

COPILOT features

Integrated Emergency Stop (E-Stop) Button

An emergency stop (E-Stop) button is located on the top of the CoPilot® controller and is highly visable. Due to the E-Stop button's placement it is easy to reach and always near the operator.

Operator Login with Password

Allows users restricted access to different levels depending on their role(s):
- **Operator:** Basic usage of the machine, call by tray, part, etc.
- **Advanced:** Able to perform all the above, plus access log file information, run advanced reports, run compaction, etc.
- **Maintenance:** Able to use manual machine controls and make changes to machine parameters, etc.

Graphical Tray Layout

Graphical representation of the tray shows the operator precisely where to pick. Each cell is color coded to indicate the locations by current available quantity.

Easy to Use LIFT OS Operator Interface

Icon based environment; easiest most intuitive HMI in the market. Items can be picked by the tray number or by each unique item number. Photos of the individual item can be programed to be displayed.

Useful Tray Information Display

Useful machine information is clearly displayed such as, tray number at the access opening, the trays current loaded weight, and the trays current height occupied by product.

Industrial 10.5" Color Touch Screen Display

The 10.5" color touch screen is 50% larger when compared to the competition. The IP-67 rated industrial controls enclosure protects against particulates, water, and is suited for industrial environments.

Operate in Multiple Modes

- **Manual Mode:** Allows technicians to manually operation the unit for service work and adjustment.
- **Automatic Mode:** Allows for standard machine operations, picking by tray, item number, etc.
- **Remote / Host Mode:** Integration & communication to ERP systems via standard Ethernet connection

Displays Clear, Detailed Information

Information is clearly presented to the operator displaying all required information such as: item number, qty. to pick or put, order number, and item notes. Operators are also able to modify orders directly from the controller as well as print labels for orders.

Complete Machine Diagnostics Onboard

An integrated unit run-time program logs machine usage and alerts users when preventative maintenance is required. Simple icon based text and visuals guide users to help correct faults or errors. Real-time applicable machine information is displayed quickly and clearly.

Integrated USB Port

The Integrated USB Port allows the user to connect optional peripheral devices such as barcode readers, badge readers, label printers, and EKS readers. It also allows easy diagnostics and updates.