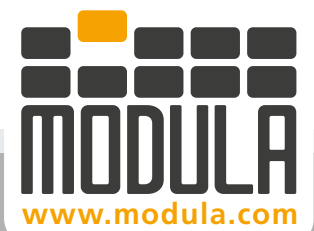




# Modula LIFT

Think Vertical, Think Modula

OUR PRODUCTS ARE  
★ **MADE IN USA** ★  
From US & Imported Components



# Recover space, increase productivity, improve ergonomics and flexibility

Modula Vertical Lift Modules are the ideal solution to recover space on your shopfloor or distribution area, while improving the efficiency, speed and accuracy of your picking operations. Twenty years of experience and continuous research have produced a highly technical product in which safety and design are the main focus.

Before Modula



After



Floor Space Recovery



Up To **90%**

 1. RECOVER SPACE

 2. INCREASE SECURITY

 3. SAVE TIME

 4. IMPROVE ACCURACY

 5. REDUCE THE RISK OF INJURY

 6. BOOST INVENTORY MANAGEMENT

THROUGHPUT OF UP TO 120 TRAYS/HOURS

TRAY ADJUSTABILITY

1.0in 1.0in 1.0in

PRE-COATED EXTERIOR PANELS FOR DURABILITY & PROTECTION

STEEL REINFORCED TOOTHED BELT LIFTING DESIGN

STEEL INTERNAL FRAME STRUCTURE

TOUCH SCREEN OPERATOR CONSOLE

USER FRIENDLY SOFTWARE INTERFACE

## Technical highlights

Unit heights: from 10'-10" (3,300 mm) to 46'-3" (14,100 mm)  
 Unit height increments of: 7.87" (200 mm)  
 Tray storage adjustability: 1.0" (25 mm)  
 Tray widths: from 74.80" (1,900 mm) to 161.41" (4,100 mm)  
 Tray depths: 25.75" (654 mm) & 33.74" (857 mm)  
 Maximum product heights up to: 27.36" (695 mm)  
 Net tray payload capacities: 551 lbs (250 kg), 1,102 lbs (500 kg), 1,653 lbs (750 kg) & 2,182 lbs (990 kg)  
 Gross unit load capacity: up to 154,000 lbs (70,000 kg)  
 Throughput: up to 120 trays/hr. (depending on the unit's configuration)  
 Operator interface: rugged 10.4" color touchscreen operator control console  
 Number of bays: up to 3/internal or external, single or dual tray delivery  
 Minimal energy consumption: 4 Hp/3kW vertical axis motor  
 Automatic tray weight measurement each time a tray is returned  
 Dynamic storage of trays depending on the specific height  
 Galvanized steel internal frame structure  
 Vertical axis lifting design driven by 2 steel reinforced toothed belts  
 Extractor's vertical lifting system is guided with 6 HDPE rollers for each side of the elevator

## Copilot Operator Console

The Copilot is a rugged operator interface, suitable for any industrial environment. Thanks to its 10.4" color display with touch screen technology and an easy to use Lift OS operating system, the result is an extremely user friendly experience for any operator.

## Modula WMS Software Suite

Modula WMS is a fully featured Warehouse Management Software that can easily be used to manage the space and utilization of Modula Lift units or as a standalone software tool. It can easily be interfaced with nearly any ERP system.

## Maximum Payload for Every Tray Width

Modula Lift VLM units offer a wide range of tray dimensions and load capacities. With tray sizes up to 13.4 feet (4.1 meters) wide and load capacities of up to 2,200 lbs (990 kg), Lift units are able to meet nearly any application's requirements.

## Operator Safety

All Modula units are equipped with physical and optical safety barriers in order to ensure a 100% safe environment to operators.

## Internal or External Bay, Single or Dual Delivery

The internal bay is the ideal solution when space is at a premium.

The external bay offers the best possible ergonomic workspace for operators. It can provide further benefits when used in combination with picking aids such as cranes and mechanical manipulators to lift heavy items stored within trays.

Single delivery level is ideal when the machine will be used moderately, or when the picking time is quick.

Dual delivery is the ideal configuration for a fast-paced picking operation.



SINGLE INTERNAL DELIVERY



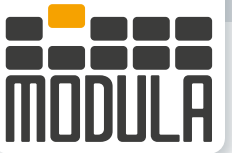
SINGLE EXTERNAL DELIVERY



DUAL INTERNAL DELIVERY



DUAL EXTERNAL DELIVERY



## MA & MA-D

| Model   | Tray Width (in/mm) | Tray Depth (in/mm) | Tray Wall Height (in/mm)           | Maximum Tray Load Capacity (lbs/kg) | Unit Footprint INTERNAL BAY (Width x Depth - in/mm) | Unit Footprint EXTERNAL BAY (Width x Depth - in/mm) |
|---------|--------------------|--------------------|------------------------------------|-------------------------------------|---|---|
| MA25    | 74.80 / 1,900      | 25.75 / 654        | 1.77 / 2.75 / 4.72 - 45 / 70 / 120 | 551 / 250                           | 91.22 x 100.63 / 2,317 x 2,556                      | 91.22 x 127.8 / 2,317 x 3,246                       |
| MA25D   | 74.80 / 1,900      | 33.74 / 857        | 1.77 / 2.75 / 4.72 - 45 / 70 / 120 | 551 / 250                           | 91.22 x 124.61 / 2,317 x 3,165                      | 91.22 x 159.76 / 2,317 x 4,058                      |
| MA50    | 74.80 / 1,900      | 25.75 / 654        | 2.75 / 4.72 - 70 / 120             | 1,102 / 500                         | 91.22 x 100.63 / 2,317 x 2,556                      | 91.22 x 127.8 / 2,317 x 3,246                       |
| MA50D   | 74.80 / 1,900      | 33.74 / 857        | 2.75 / 4.72 - 70 / 120             | 1,102 / 500                         | 91.22 x 124.61 / 2,317 x 3,165                      | 91.22 x 159.76 / 2,317 x 4,058                      |
| MA75    | 74.80 / 1,900      | 25.75 / 654        | 2.75 / 4.72 - 70 / 120             | 1,653 / 750                         | 91.22 x 100.63 / 2,317 x 2,556                      | 91.22 x 127.8 / 2,317 x 3,246                       |
| MA75D   | 74.80 / 1,900      | 33.74 / 857        | 2.75 / 4.72 - 70 / 120             | 1,653 / 750                         | 91.22 x 124.61 / 2,317 x 3,165                      | 91.22 x 159.76 / 2,317 x 4,058                      |
| MA1000  | 73.23 / 1,860      | 25.75 / 654        | 4.72 / 120                         | 2,200 / 990                         | 91.22 x 100.63 / 2,317 x 2,556                      | 91.22 x 127.8 / 2,317 x 3,246                       |
| MA1000D | 73.23 / 1,860      | 33.74 / 857        | 4.72 / 120                         | 2,200 / 990                         | 91.22 x 124.61 / 2,317 x 3,165                      | 91.22 x 159.76 / 2,317 x 4,058                      |

## MC & MC-D

| Model   | Tray Width (in/mm) | Tray Depth (in/mm) | Tray Wall Height (in/mm)           | Maximum Tray Load Capacity (lbs/kg) | Unit Footprint INTERNAL BAY (Width x Depth - in/mm) | Unit Footprint EXTERNAL BAY (Width x Depth - in/mm) |
|---------|--------------------|--------------------|------------------------------------|-------------------------------------|---|---|
| MC25    | 98.42 / 2,500      | 25.75 / 654        | 1.77 / 2.75 / 4.72 - 45 / 70 / 120 | 551 / 250                           | 114.84 x 100.63 / 2,917 x 2,556                     | 114.84 x 127.8 / 2,917 x 3,246                      |
| MC25D   | 98.42 / 2,500      | 33.74 / 857        | 1.77 / 2.75 / 4.72 - 45 / 70 / 120 | 551 / 250                           | 114.84 x 124.61 / 2,917 x 3,165                     | 114.84 x 159.76 / 2,917 x 4,058                     |
| MC50    | 98.42 / 2,500      | 25.75 / 654        | 2.75 / 4.72 - 70 / 120             | 1,102 / 500                         | 114.84 x 100.63 / 2,917 x 2,556                     | 114.84 x 127.8 / 2,917 x 3,246                      |
| MC50D   | 98.42 / 2,500      | 33.74 / 857        | 2.75 / 4.72 - 70 / 120             | 1,102 / 500                         | 114.84 x 124.61 / 2,917 x 3,165                     | 114.84 x 159.76 / 2,917 x 4,058                     |
| MC75    | 98.42 / 2,500      | 25.75 / 654        | 2.75 / 4.72 - 70 / 120             | 1,653 / 750                         | 114.84 x 100.63 / 2,917 x 2,556                     | 114.84 x 127.8 / 2,917 x 3,246                      |
| MC75D   | 98.42 / 2,500      | 33.74 / 857        | 2.75 / 4.72 - 70 / 120             | 1,653 / 750                         | 114.84 x 124.61 / 2,917 x 3,165                     | 114.84 x 159.76 / 2,917 x 4,058                     |
| MC1000  | 96.85 / 2,460      | 25.75 / 654        | 4.72 / 120                         | 2,200 / 990                         | 114.84 x 100.63 / 2,917 x 2,556                     | 114.84 x 127.8 / 2,917 x 3,246                      |
| MC1000D | 96.85 / 2,460      | 33.74 / 857        | 4.72 / 120                         | 2,200 / 990                         | 114.84 x 124.61 / 2,917 x 3,165                     | 114.84 x 159.76 / 2,917 x 4,058                     |

## MX & MX-D

| Model   | Tray Width (in/mm) | Tray Depth (in/mm) | Tray Wall Height (in/mm)           | Maximum Tray Load Capacity (lbs/kg) | Unit Footprint INTERNAL BAY (Width x Depth - in/mm) | Unit Footprint EXTERNAL BAY (Width x Depth - in/mm) |
|---------|--------------------|--------------------|------------------------------------|-------------------------------------|---|---|
| MX25    | 122.05 / 3,100     | 25.75 / 654        | 1.77 / 2.75 / 4.72 - 45 / 70 / 120 | 551 / 250                           | 138.46 x 100.63 / 3,517 x 2,556                     | 138.46 x 127.8 / 3,517 x 3,246                      |
| MX25D   | 122.05 / 3,100     | 33.74 / 857        | 1.77 / 2.75 / 4.72 - 45 / 70 / 120 | 551 / 250                           | 138.46 x 124.61 / 3,517 x 3,165                     | 138.46 x 159.76 / 3,517 x 4,058                     |
| MX50    | 122.05 / 3,100     | 25.75 / 654        | 2.75 / 4.72 - 70 / 120             | 1,102 / 500                         | 138.46 x 100.63 / 3,517 x 2,556                     | 138.46 x 127.8 / 3,517 x 3,246                      |
| MX50D   | 122.05 / 3,100     | 33.74 / 857        | 2.75 / 4.72 - 70 / 120             | 1,102 / 500                         | 138.46 x 124.61 / 3,517 x 3,165                     | 138.46 x 159.76 / 3,517 x 4,058                     |
| MX75    | 122.05 / 3,100     | 25.75 / 654        | 2.75 / 4.72 - 70 / 120             | 1,653 / 750                         | 138.46 x 100.63 / 3,517 x 2,556                     | 138.46 x 127.8 / 3,517 x 3,246                      |
| MX75D   | 122.05 / 3,100     | 33.74 / 857        | 4.72 - 120                         | 1,653 / 750                         | 138.46 x 124.61 / 3,517 x 3,165                     | 138.46 x 159.76 / 3,517 x 4,058                     |
| MX1000  | 120.47 / 3,060     | 25.75 / 654        | 4.72 / 120                         | 2,200 / 990                         | 138.46 x 100.63 / 3,517 x 2,556                     | 138.46 x 127.8 / 3,517 x 3,246                      |
| MX1000D | 120.47 / 3,060     | 33.74 / 857        | 4.72 / 120                         | 2,200 / 990                         | 138.46 x 124.61 / 3,517 x 3,165                     | 138.46 x 159.76 / 3,517 x 4,058                     |

## ML & ML-D

| Model   | Tray Width (in/mm) | Tray Depth (in/mm) | Tray Wall Height (in/mm) | Maximum Tray Load Capacity (lbs/kg) | Unit Footprint INTERNAL BAY (Width x Depth - in/mm) | Unit Footprint EXTERNAL BAY (Width x Depth - in/mm) |
|---------|--------------------|--------------------|--------------------------|-------------------------------------|---|---|
| ML25    | 161.41 / 4,100     | 25.75 / 654        | 2.75 / 4.72 - 70 / 120   | 551 / 250                           | 177.83 x 100.63 / 4,517 x 2,556                     | 177.83 x 127.8 / 4,517 x 3,246                      |
| ML25D   | 161.41 / 4,100     | 33.74 / 857        | 2.75 / 4.72 - 70 / 120   | 551 / 250                           | 177.83 x 124.61 / 4,517 x 3,165                     | 177.83 x 159.76 / 4,517 x 4,058                     |
| ML50    | 161.41 / 4,100     | 25.75 / 654        | 4.72 / 120               | 1,102 / 500                         | 177.83 x 100.63 / 4,517 x 2,556                     | 177.83 x 127.8 / 4,517 x 3,246                      |
| ML50D   | 161.41 / 4,100     | 33.74 / 857        | 4.72 / 120               | 1,102 / 500                         | 177.83 x 124.61 / 4,517 x 3,165                     | 177.83 x 159.76 / 4,517 x 4,058                     |
| ML75    | 161.41 / 4,100     | 25.75 / 654        | 4.72 / 120               | 1,653 / 750                         | 177.83 x 100.63 / 4,517 x 2,556                     | 177.83 x 127.8 / 4,517 x 3,246                      |
| ML75D   | 161.41 / 4,100     | 33.74 / 857        | 4.72 / 120               | 1,653 / 750                         | 177.83 x 124.61 / 4,517 x 3,165                     | 177.83 x 159.76 / 4,517 x 4,058                     |
| ML1000  | 159.84 / 4,060     | 25.75 / 654        | 5.71 / 145               | 2,200 / 990                         | 177.83 x 100.63 / 4,517 x 2,556                     | 177.83 x 127.8 / 4,517 x 3,246                      |
| ML1000D | 159.84 / 4,060     | 33.74 / 857        | 5.71 / 145               | 2,200 / 990                         | 177.83 x 124.61 / 4,517 x 3,165                     | 177.83 x 159.76 / 4,517 x 4,058                     |



Alphanumeric LED Bar



LED Bar



Laser Pointer



Badge Reader



EKS Reader



Put-to-Light



Tray Accessories



Piece Counting Scale



Label Printer



Bar Code Reader



Sliding Console



Weight Distribution Plates



ESD Protection



External Picking Monitor



Telescopic Bay



Modula Green



Automatic Door



Cart for Tray Removal

**Consumer**

|               |              |
|---------------|--------------|
| Black&Decker  | USA          |
| Cristian Lay  | Spain        |
| Maria Galland | Germany      |
| Osram         | Mexico/Italy |

**Commercial**

|               |        |
|---------------|--------|
| Costan        | Italy  |
| Deny Security | France |
| Dewalt        | USA    |
| GGB           | USA    |
| Incold        | Italy  |

**Government/Public/Defense**

|                                    |               |
|------------------------------------|---------------|
| A.O.U. Ospedali Riuniti Di Trieste | Italy         |
| US Army / Airforce / Navy          | USA           |
| GOZ Obukhov State Plant            | Russia        |
| Guardia di Finanza                 | Italy         |
| National Institutes of STDS        | USA           |
| NHS National Services Scotland     | Great Britain |

**Aviation/Aerospace**

|                             |         |
|-----------------------------|---------|
| Barry Controls Aerospace    | USA     |
| Bombardier                  | Germany |
| Dassault Aviation           | France  |
| Embraer                     | Brazil  |
| Eurocopter                  | France  |
| Israel Aerospace Industries | Israel  |
| JPR                         | France  |
| Krasny Oktyabr              | Russia  |
| Lufthansa                   | China   |
| TFI                         | France  |

**Automotive**

|                            |                        |
|----------------------------|------------------------|
| Automobili Lamborghini     | Italy                  |
| Axletech                   | France                 |
| Betamotor                  | Italy                  |
| Brembo                     | Italy/Poland/China     |
| Caterpillar                | USA                    |
| Chrysler                   | Mexico                 |
| CNH Industrial (FIAT)      | Spain/Belgium          |
| Continental                | Germany/Romania/Serbia |
| Daimler                    | Germany                |
| Ferrari                    | Italy                  |
| FIAT                       | Italy/Serbia           |
| Ford                       | Spain                  |
| Goodyear                   | Germany                |
| Iveco (FIAT)               | Spain                  |
| John Deere                 | USA                    |
| Renault                    | France                 |
| New Holland Tractor (FIAT) | Holland                |
| Pagani Automobili          | Italy                  |
| Porsche                    | Germany                |
| Volkswagen                 | Germany/China          |

**Biomechanical/Biomedical**

|                       |        |
|-----------------------|--------|
| Biotec                | Italy  |
| Fatro SPA             | Italy  |
| Medison co.           | Korea  |
| Merit Medical Systems | USA    |
| Neodent               | Brazil |
| Steris Corporation    | USA    |
| Symrise               | USA    |
| Synthes               | USA    |

**Construction**

|              |         |
|--------------|---------|
| Aluplast     | Italy   |
| I.K.O.       | Canada  |
| Saint Gobain | USA     |
| Wilo SE      | Germany |

**Ceramics**

|                               |              |
|-------------------------------|--------------|
| Cooperativa Ceramica di Imola | Italy        |
| Euroceramique                 | Spain        |
| Kajaria Ceramics              | India        |
| Pamesa Ceramica               | Spain        |
| Porcelanosa Group             | USA          |
| Sacmi                         | Italy/Mexico |
| Serenissima Ceramiche         | Italy        |
| Tecnografica                  | Italy        |

**Chemical**

|                |             |
|----------------|-------------|
| Akzo Nobel     | Italy       |
| BASF           | Spain       |
| Dupont         | USA         |
| Firmenich      | Switzerland |
| Grupo AC Marca | Spain       |
| Infracor GmbH  | Germany     |
| Wacker Chemie  | Germany     |

**Electronics**

|                               |                    |
|-------------------------------|--------------------|
| ABB                           | Estonia            |
| Disano Illuminazione          | Italy              |
| Emerson Industrial Automation | Brazil             |
| ETI                           | Slovenia           |
| Johnson Controls              | Germany            |
| Kemet                         | Mexico             |
| Moog                          | Italy              |
| Rexroth Bosch Group           | Germany/Russia     |
| Siemens                       | USA/Germany/Mexico |
| Staubli                       | France             |
| Tyco Electronics              | Mexico             |

**Food & Beverage**

|                         |               |
|-------------------------|---------------|
| Acetaia di Modena       | Italy         |
| Beam Global             | Spain         |
| Conti Spumanti          | Italy         |
| Damm                    | Spain         |
| Marchesi Antinori       | Italy         |
| Mars                    | USA           |
| Nestle                  | Great Britain |
| Pepsi Corporation       | USA           |
| Spendrups               | Sweden        |
| Vonpar Refrescos        | Brazil        |
| Yoplait (General Mills) | France        |

**Home Improvement**

|                      |         |
|----------------------|---------|
| Alexandria Mouldings | USA     |
| Edilkamin            | Hungary |
| Franke               | Italy   |
| Immergas             | Italy   |

**Hydraulics/Oledynamics/Pneumatics**

|                  |                     |
|------------------|---------------------|
| Dicsa            | Spain               |
| Festo Pneumatics | Mexico              |
| Have Hydraulics  | USA/China           |
| HP Hydraulics    | Italy               |
| IMM Hydraulics   | Italy/Great Britain |
| Mono Pumps       | Great Britain       |
| Sag/Sagom Tubi   | Italy               |

**Mechanical/Manufacturing**

|                       |               |
|-----------------------|---------------|
| Bonfiglioli Riduttori | Italy         |
| Comau                 | Italy/Romania |
| Fanuc Robotics        | Italy         |
| Fliegl                | Germany       |
| Honeywell Garrett     | Italy/Romania |
| IMA Industries        | Italy         |
| KBA Konig&Bauer       | Germany       |
| Marchesini Group      | Italy         |
| Otis                  | Italy         |
| Rodo-ketten           | Germany       |
| Seco Tools            | France        |
| Su-matic              | Italy         |
| Thyssenkrupp          | Brazil/China  |
| Vesuvius              | Germany       |

**Paper/Publishing**

|                   |              |
|-------------------|--------------|
| Crane&Co          | USA          |
| Irving Tissue     | USA          |
| MPO               | France       |
| Rocktenn Preprint | Canada       |
| SICPA             | Brazil       |
| Sofidel           | Italy/France |

**Life Science & Pharmaceutical**

|                           |         |
|---------------------------|---------|
| Abbott                    | France  |
| Amgen                     | USA     |
| Bayer                     | Mexico  |
| Colgate Palmolive Company | USA     |
| Cooper Vision             | USA     |
| Fresenius Kabi            | Italy   |
| GlaxoSmithKline           | USA     |
| Janssen Pharmaceutical    | Belgium |
| Johnson & Johnson         | USA     |
| Roche                     | Italy   |

**Plastics**

|                  |                     |
|------------------|---------------------|
| Lavel Gomma      | Italy               |
| Schwartz GmbH    | Germany             |
| Trelleborg       | Great Britain/China |
| Vision Extrusion | Canada              |

**Energy**

|                      |               |
|----------------------|---------------|
| Babcock & Wilcox     | USA           |
| BP British Petroleum | Great Britain |
| Conoco Phillips      | USA           |
| Dow-Kokam            | USA           |
| Duke Energy          | USA           |
| Nordex Energy GmbH   | Germany       |
| Petrobras            | Brazil        |
| Schlumberger         | Mexico        |

**Logistics/Transport Industry**

|                          |              |
|--------------------------|--------------|
| AVTO LOGISTIKA           | Russia       |
| CSX Transportation       | USA          |
| DB Service GmbH          | Germany      |
| Infrabel Railway         | Belgium      |
| Kuhne + Nagel            | Spain/France |
| MTA Metro North Railroad | USA          |

**Textiles/Apparel Industry**

|                           |        |
|---------------------------|--------|
| Cotton Republic           | Mexico |
| Giorgio Armani Operations | Italy  |
| Jeans Knit PVT Ltd        | India  |
| Max Mara Group            | Italy  |
| Valentino                 | Italy  |

# Modula Worldwide presence



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Modula is present in 5 continents with dealers and branches located in over 50 countries.

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