




Modula SLIM

Think Vertical, Think Modula

**ALL THE BENEFITS OF A VLM
IN THE FOOTPRINT OF A VERTICAL CAROUSEL**

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


MODULA
www.modula.com

Minimum
depth.
Maximum
efficiency.

The most compact VLM in the industry.

Modula SLIM is the smart choice for anyone looking for a vertical storage solution with complete flexibility. The same technology found in our LIFT model, but in a much smaller footprint.

- 32.29 ft² of floor space
- 66" depth

Really flexible storage.

You can store all sorts of materials and products in your Modula SLIM, such as: loose material, containers, (boxes, bins, cartons, cases), small items, spare parts, coils, bottles, and more.



What can Modula SLIM do for you?

- Recovers floor space, optimizing storage density
- Reduces picking times
- Makes materials accessible to all operators, quickly and ergonomically
- Keeps stock levels and all warehouse inventory under control
- Integrates easily into your company processes by communicating with any ERP system
- Tracks picking and restocking operations, controlling who has access and logs their activity
- Eliminates picking and restocking errors by guiding the operator through the entire process

Fast.
Easy.
Ergonomic

INTEGRATED EYE LEVEL
TOUCH SCREEN INTERFACE

EMERGENCY
STOP SWITCH

PICK COMPLETE
BUTTON

V-SHAPE
STEEL REINFORCED
TOOTHED BELT

Up to 23 ft

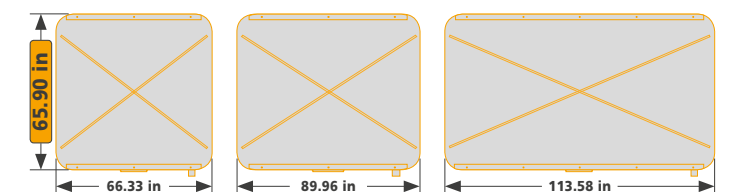
ALPHANUMERIC
LED BAR

Less than 66" deep!

Technical Specifications

Unit height:
from 7 ft 10.5 in (2,400 mm) to 22 ft 11.5 in (7,000 mm)
Unit height increments:
3.9 in (100 mm)
Tray storage pitch:
1 in (25 mm)
Tray widths:
51.18 in - 74.80 in - 98.42 in (1,300 - 1,900 - 2,500 mm)
Tray depth:
16.73 in (425 mm)
Net tray payload:
771.68 lbs (350 kg)
Gross unit load capacity:
55,115 lbs (25,000 kg)
Maximum storage height:
25.6 in (650 mm)
Bay level delivery height:
32.87 in (835 mm)
Tray wall height:
1.77 in (45 mm)
Throughput:
up to 190 trays/hr (depending on the configuration)

Operator interface:
10.4" touch screen industrial console (Copilot)
Number of bays:
1
Bay delivery type:
internal with single delivery level
Low energy consumption:
1.2 kW/h for SLIM 1.3 model, H=22 ft 11.5 in
Power supply:
110V Single phase or 480v three phase
V-shape steel reinforced toothed belt transmission (4 belts)



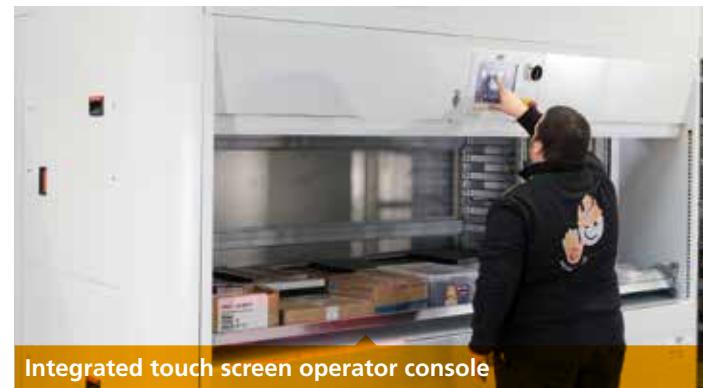
Quick to install. Easy to use.

Modula SLIM is built on a pre-assembled base module which is easy to ship and quick to install. This means the VLM can be set up in your plant and ready in 48 hours. Modula SLIM also integrates easily with your company's ERP system thanks to the Modula WMS (Warehouse Management System).

Modula SLIM is not just quick and easy to install, but it's also easy for your operators to work with. They will use an intuitive touch screen interface and simple controls that are ergonomically integrated into the bay, like the pick complete button, EKS reader, LED bar etc.

In just a few days your staff will be trained to operate with Modula SLIM and you can start realizing ROI thanks to the highly increased picking speed that this storage solution provides.

PLUG & PLAY Installation in 48 hours



Integrated touch screen operator console



Pick complete button



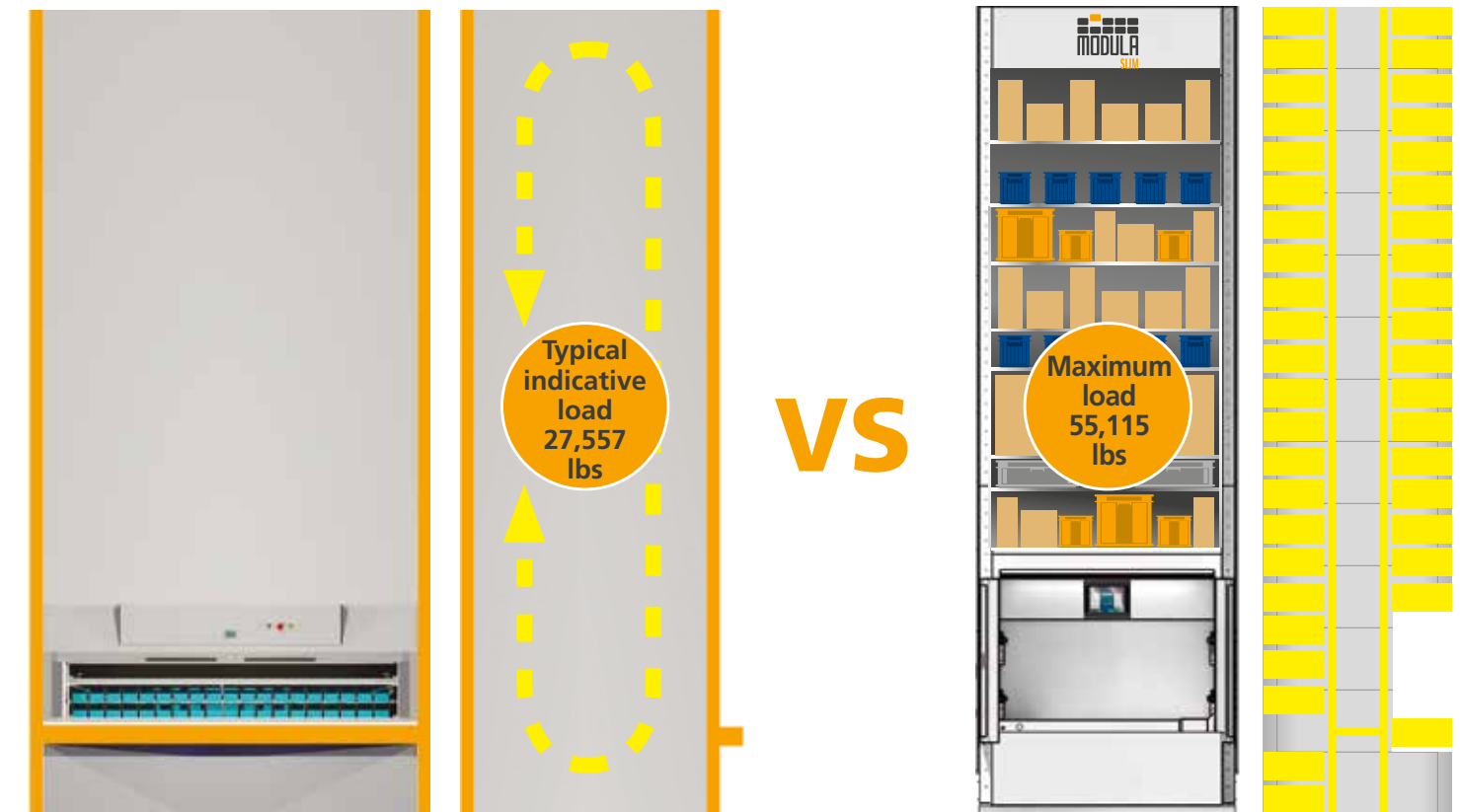
Trays using our available subdividers

Have you ever seen such flexibility?

Choose dynamic storage without fixed heights and with a truly SLIM depth.

- Total payload is up to 55,115 lbs with 22.96 ft in height **and no more than 66" in depth**
- You can make use of all the available space in your VLM thanks to **dynamic tray height** storage: there are no fixed heights as the Modula SLIM calculates the best place to store the trays and eliminates any wasted space between them
- With best in class VLM technology and how the elevator system moves, there are **no load imbalance issues** like vertical carousel systems have
- Energy consumption is low: uses less than **1.2 kW/h**
- You can choose to power this vertical warehouse unit with a **three-phase (480V)** or a **single-phase (110V) power supply**
- **Minimal maintenance:** the V-Shape toothed belt transmission system is extremely quiet and requires no lubrication. Additionally, its self-aligning pulley system means it's very easy to install and adjust
- You can add all of the **options from the Modula suite**, such as: visual aids, Put to light, access control systems, partitions, and our slotted tray wall system with customizable dividers to keep items separated and organized in the trays

Double the load capacity compared to typical vertical carousel technology



Modula Options

Trays organized with partitions and dividers to create compartments, meaning you can store in the same tray materials and containers of different sizes and shapes. These options mean that the layout of materials in the trays is incredibly flexible and easy to modify.



Tray Accessories

VISUAL AIDS These accessories give a visual indication of the requested item's location and speed up picking and re-stocking operations. They guide the operator to the location of the items within the tray and noticeably reduce errors.



LED Bar



Alphanumeric Bar



Laser Pointer

ACCESS CONTROL These devices protect stored materials from unauthorized access. You can give different users access to different trays/materials or compartments based on their permissions. Access can be granted using a login and password entered into the console, or it can be achieved using a strictly personal device which makes the operation very quick.



RFID Reader



Magnetic Badge Reader



EKS Reader

OPTIONS TO INCREASE PRODUCTIVITY 1D/2D Barcode Readers can quickly scan the product and avoid any manual checks. Integrated Put to Light increases the number of order lines processed at the same time or handles multiple orders simultaneously. System-Level Electrostatic Discharge Protection (ESD) protects sensitive items like electric circuits from malfunction or breakdown.



ESD Protection System



1D/2D Barcode Reader



Put to Light

A Few Modula Customers



BEVERAGE

AKIJ FOOD AND BEVERAGE
BODEGAS JOSE ESTEVEZ
COCA COLA
CONTRI SPUMANTI
GINESTET
MOTHER PARKERS
NATURAL WATERS OF VITI
NESTLE WATERS
PEPSICO
SPENDRUPS
SUNTORY

Bangladesh
Spain
Belgium, USA
Italy
France
USA
Fiji
UK
USA, Australia, UK, Germany, Brazil
Sweden
Mexico

MECHANICAL
METALLURGICAL

ALSTOM TRANSPORT INDIA
BIESSE
BONFIGLIOLI RIDUTTORI
SATURN FASTENERS

India
Italy, USA, Malaysia
Italy, India, USA, China
USA



AUTOMOTIVE

AUDI
BMW
BREMBO
BRIDGESTONE CANADA
CNH INDUSTRIAL
CONTINENTAL
FCA
FERRARI
TRELLEBORG
GOODYEAR
HARLEY DAVIDSON
JAGUAR
MASERATI
MICHELIN
PEUGEOT-CITROEN
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SUBARU
VOLKSWAGEN

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China, Belgium, Germany, Mexico, Canada, UK
Italy, Poland, China, Czech Rep., USA
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Spain, Italy, Belgium, Netherlands
USA, Germany
Brazil, Poland, Italy, Serbia
Italy
UK
Germany, Canada
USA
Belgium
Italy
France
France
Germany
France
USA, Canada
Germany, China, Spain, Argentina

CHEMICAL
PHARMACEUTICAL
BIOMEDICAL

GLAXOSMITHKLINE
INNOMED
INTAS PHARMACEUTICALS
JOHNSON & JOHNSON
ORFIT

Italy, UK, USA
USA
India
USA, Brazil
Belgium



ELECTRONICS

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EATON CONTROLS
PT INFINEON
SIEMENS
WURTH

India
Mexico
Singapore
France, India, Mexico
Germany, Slovakia

HYDRAULIC
PNEUMATIC

BOSCH REXROTH
WALVOIL
GUNTER TATA HUOTECHNIKA
MECANIZADOS ALCYO

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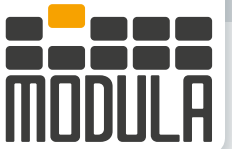
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USA
USA
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KLINTPACK Thailand
WESTLAND GUMMIWERKE Germany

CHOBANI USA
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Modula Worldwide presence



SLIM

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

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