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Modula NEXT

Think Vertical, Think Modula

THE NEW GENERATION OF VLM

MODULA

PRECISION AND EFFICIENCY REDEFINED

DELIVERING THE RIGHT PART TO THE RIGHT PERSON. EVERY TIME.

Modula Next is an **innovative automated storage solution,** that combines all the precision and control of **industrial vending machines with the space-saving and efficiency of Vertical Lift Modules (VLMs).**
When an item is requested, the unit retrieves the specific tray where the item is stored and brings it to the **picking bay at an ergonomic height.**

Unlike conventional Vertical Lift Modules, Modula Next's **shuttering door system** only opens the compartment containing the requested item.
This ensures unmatched precision in picking and replenishment operations.





100% PRECISE PICKING WITH ACCESS TO ONE COMPARTMENT, ONE PRODUCT AT A TIME

WHY CHOOSE MODULA NEXT



- **SMART SYSTEM COMBINATION**
  Modula Next combines the precision of industrial vending machines with the capacity of Vertical Lift Modules (VLMs).
- **INNOVATIVE DESIGN**
  Features sliding shutter doors, providing access only to a specific item, in an individual compartment at a time.
- **FLEXIBILITY AND CUSTOMIZATION**
  Adjustable compartments on the fly make it ideal for various industrial storage needs, accommodating diverse item sizes.
- **VERSATILITY ACROSS INDUSTRIES**
  Ideal for healthcare, retail, aerospace, automotive, MRO, and any industries handling sensitive or high-value items.

SAFETY & SPACE OPTIMIZATION

SAFETY FOR YOUR PRODUCTS & OPERATORS. ALWAYS.

SAFETY FOR YOUR PRODUCT & OPERATORS

SAFETY THROUGH USER IDENTIFICATION
Every unit is password protected, allowing access only to authorized operators with a badge or access code.
All picking operations and logins are tracked even down to specific trays.

SAFETY LIGHT BARRIERS
The access opening features safety light barriers that detect obstacles or operator interference. Upon detection, the system instantly stops all movements, safeguarding both the operator and the inventory.

EMERGENCY STOP BUTTON
Positioned on the copilot panel, this button allows operators to instantly stop the operations in case of an emergency, ensuring quick response to any potential hazards.



PICKING WINDOW SIZE RANGE
from 100x100 mm to 2,500x654 mm,
CUSTOMIZABLE THROUGH WMS SOFTWARE

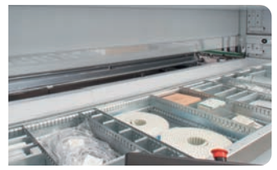
OPTIONS

FOR ANY OPERATIONAL NEED


Put to Light


Picking Cart


Picking Station


Tray Accessories


1D or 2D Barcode Reader


EKS Reader

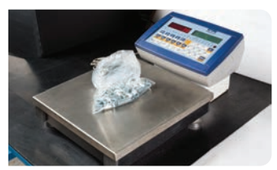

RFID Reader


End Picking Button


Foot Bar Task Complete


Barcode Reader


Label Printer


Counting Scale

VERSATILITY ACROSS INDUSTRIES

SECURITY, PRECISION AND FLEXIBILITY. FOR DIVERSE SECTOR NEEDS.

Modula Next is ideal for **industries requiring precise inventory control and quick access.**
Its versatility and capacity to handle various item types make it suitable for:

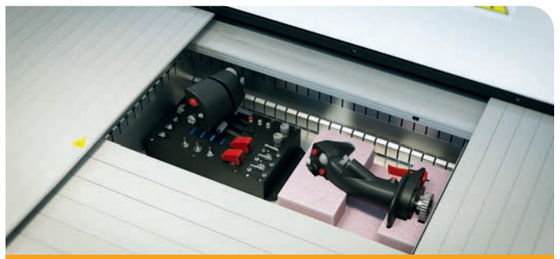
- **MANUFACTURING**
  For storing and managing tools, parts and essential components.
- **HEALTHCARE**
  Ideal for dispensing medical supplies and pharmaceuticals securely.
- **INDUSTRIES WITH SENSITIVE OR HIGH-VALUE ITEMS:**
  Perfect for sectors dealing with sensitive or costly inventory, where precision is a must.
- **AEROSPACE & AUTOMOTIVE**
  For efficiently storing specialized and expensive tools and components.
- **RETAIL**
  Useful in back-end storage for managing a variety of retail products.
- **MRO (MAINTENANCE & REPAIR)**
  For storing typical MRO supplies such as drill bits, end mills, adhesives, and fasteners.



PHARMACEUTICAL AND BIOMEDICAL



AUTOMOTIVE



AEROSPACE & DEFENCE



SENSITIVE OR HIGH-VALUE ITEMS



ELECTRONICS



MRO (MAINTENANCE & REPAIR)

MODULA NEXT FOR MANAGING CONSIGNMENT INVENTORY

MANAGING CONSIGNMENT INVENTORY WITH MODULA NEXT

Modula Next is a valuable solution for consignment inventory scenarios.
For suppliers, it translates into efficient consignment inventory service, enhancing their value proposition.
Clients, on the other hand, benefit from having the right tools at the right time, without the overhead of large inventories.

KEY BENEFITS FOR THE SUPPLIER

REAL-TIME INVENTORY MANAGEMENT
WMS integration provides immediate insight into client-site part levels, ensuring accurate inventory control.

CONTROLLED ACCESS
Restricted access to the unit and specific items, prevents the cost of inventory mishandling that directly impacts the supplier.

FLEXIBILITY IN SUPPLY MANAGEMENT
Suppliers can easily adjust the type and quantity of items stored based on consumption patterns and customer requirements.

COST-EFFICIENT INVENTORY
Suppliers retain ownership until customer use, aligning production with demand, to reduce overstocking and overproduction risks.

KEY BENEFITS FOR THE CLIENT

ON-DEMAND PART ACCESS
Essential parts are available on-demand from Modula Next, minimizing operational interruptions.

STREAMLINED MAINTENANCE MANAGEMENT
Real-time data allows clients to effectively manage maintenance, avoiding shortages and urgent orders.

BUDGET-FRIENDLY MAINTENANCE
The pay-per-use model for parts reduces the need for extensive inventory, making maintenance more cost-effective.

OPERATIONAL PRODUCTIVITY
Precise inventory results in optimized maintenance activities and improved operational efficiency.

MODULA NEXT FOR STORING PERSONAL PROTECTIVE EQUIPMENT AND DISPENSING KITTED COMPONENTS

STORING PERSONAL PROTECTIVE EQUIPMENT

Modula Next is a perfect solution for the management of Personal Protective Equipment (PPE).
By consolidating all PPE into one accessible location, it ensures that essential safety gear is available, properly managed and secured, and compliant with safety regulations.



KEY BENEFITS

CENTRALIZED PPE STORAGE
Ensures quick access to essential safety gear in one location.

REAL-TIME PPE TRACKING
Monitoring PPE quantities and conditions, for proactive replenishment and maintenance.

PPE QUALITY MAINTENANCE
Extends PPE lifespan by protecting against damage and contamination.

PRECISION AND SAFETY
Limits access to one item at a time and secures PPE with user authentication devices.

DISPENSING KITTED COMPONENTS

Modula Next significantly improves the management of kits. Unlike VLMs, it adds a layer of security with access to only one compartment at a time.
This ensures the correct kit is picked, which is crucial to avoiding operational delays and downtime.



KEY BENEFITS

PRE-ASSEMBLED KITS
Stores and dispenses pre-assembled kits, with all necessary tools and parts.

CONFIGURABLE COMPARTMENTS
Adjustable compartments to fit various sizes of kits or items.

KITTING EFFICIENCY
Enhances efficiency, by eliminating the need for workers to collect individual items.

INVENTORY OPTIMIZATION
Reduces misplacement risks and prevents shortages.

TECHNICAL FEATURES



MAXIMUM CAPACITY FOR ALL TRAYS: UP TO 500 KG PER TRAYS

COPILOT INDUSTRIAL OPERATOR CONSOLE: 10.4 INCH TOUCH SCREEN

MODULA WMS SOFTWARE: TO HAVE EVERYTHING UNDER CONTROL

SAFETY FOR OPERATORS: ERGONOMIC AND SAFE

Trays width *(mm)*	Trays depth *(mm)*	Maximum height stockable material *(mm)*	Side heights available *(mm)*	Net capacity per tray max. *(kg)*	Size of the design W x D *(mm)*	Size picking window min./max. *(mm)*
2,500	654	245	70 120 145 170 195 220 245	500	2,936 x 2,986	100 x 100 2,500 x 654

MODULA
WAREHOUSE MANAGEMENT SYSTEM

A COMPLETE END-TO-END WMS SOLUTION FOR YOUR BUSINESS

Modula Warehouse Management System (WMS) is a complete inventory management software, designed to operate Modula's automated storage and retrieval solutions or as a stand-alone software in traditional warehouses (manual areas).

As one of the most intuitive and advanced software solutions on the market, Modula WMS seamlessly interfaces with almost all DMS and ERP systems, making processes, such as receiving, picking, and putting away products, faster and more accurate.





MODULA WORLD



3
production plants

13
subsidiaries

100+
dealers

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

NEXT / FEBRUARY 2026

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