

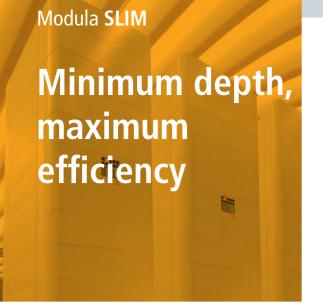


Modula SLIM

Think Vertical, Think Modula

ALL THE BENEFITS OF A VLM
IN THE SPACE OF A VERTICAL CAROUSEL





Have you ever seen such a compact vertical VLM?

Modula Slim is the smart choice for anyone looking for a vertical storage solution with complete flexibility.

The best of the LIFT technology built in a:

- 3 m² of floor space
- 1,6 m depth

... and so flexible?

You can store all sorts of materials and products in your Modula Slim: loose materials, containers (boxes, bins, packs, cartons, cases), small items, spare parts, coils, flasks.





What MODULA SLIM can do for you

- Recovers floor space, making the most of storage density
- Reduces picking times
- Makes materials accessible to all operators, quickly and ergonomically
- Keeps stock levels and all warehouse items under control
- Integrates easily into your company processes by communicating with all ERP systems
- Tracks picking and refilling operations, identifying who did what and controls every access
- Eliminates picking and refilling errors by guiding the operator through the process



Unit height:

from 2.400 mm to 7.000 mm

Unit height increment:

100 mm

Tray storage pitch:

Tray widths:

1.300 - 1.900 - 2.500 mm

Tray depth:

425 mm

Net tray payload:

350 kg

Total gross payload:

25.000 kg

Maximum storage height:

Bay delivery level height:

835 mm

Tray wall height:

45 mm

Throughput:

up to 190 trays/hr (depending on the configuration)

Operator interface:

10.4" touch screen industrial console (Copilot)

Number of bays:

Types of bay:

internal with single delivery level

Low energy consumption:

1.2 kW/h for SLIM 1.3 model, H=7.000 mm

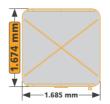
Power supply:

230V single-phase and 400V three-phase

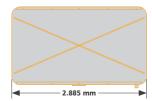
Certification:

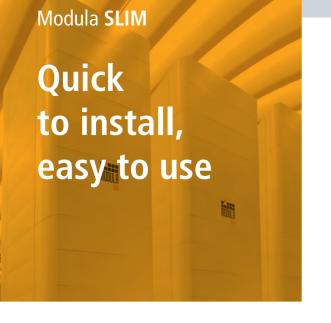
TÜV-GS

V-Shape steel reinforced toothed belt transmission (4 belts)









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

Not just easy and quick to install but also to use. It's really easy for your operators to interact with Modula Slim. They can use the user-friendly touch screen interface and simple controls integrated into the bay like the end of picking button, EKS reader, LED bar etc.

In just a few days, your Modula Slim can be used by anyone and you will see an incredibile picking speed increase.











Have you ever seen such flexibility?

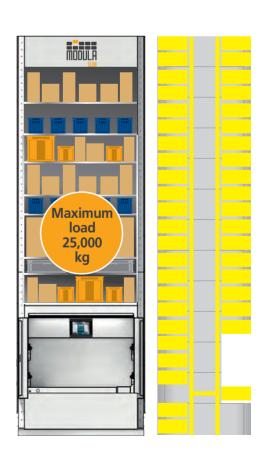
Make use of all the space inside your Modula SLIM without limits or constraints. Choose dynamic storage without fixed heights and with a truly SLIM depth.

- Total payload is up to 25,000 kg with 7 metres in height and no more than 1,6 m in depth
- You can make use of all the availabe space in your VLM thanks to dynamic tray height storage: there are no fixed heights as the Modula Slim calculates the best place to put the trays and eliminates any wasted space between them
- With Lift technology and the way the elevator moves, there are no issues with unbalanced loads unlike with carousel systems
- Energy consumption is relatively low: less than 1.2 kW/h
- You can choose to power the warehouse with a three-phase (400V) or a single-phase (230V) supply
- Maintenance is limited: the V-Shape toothed belt transmission system is super quiet, requires no lubrication and its self-aligning pulley system means it's super easy to install and adjust
- You can add all options from the Modula range such as visual aids, Put to light, access control systems, partitions, dividers and slotted tray walls to subdivide the trays.











Trays can be fitted with options such as partitions and dividers to create compartments, meaning you can store materials or containers which might be very different from each other.

These options mean that the layout of materials in the trays is incredibly flexible and easy to modify.



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







ACCESS CONTROL These devices protect stored materials from unauthorised 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.







OPTIONS WHICH 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, electrostatic discharge protection systems (ESD) protect sensitive items.









IISA

USA

Italy

China

Spain

Spain

China

USA

China

Italy

Italy

USÁ

Italy

Italy

USA

USA

USA

USA

Czech Rep.

UK

USA

Italy

Germany

Germany

Germany

Italy, Spain, Mexico

Germany

Thailand

Germany



AKIJ FOOD AND BEVERAGE Bangladesh **BODEGAS JOSE ESTEVEZ** Spain **COCA COLA** Belgium, USA **CONTRI SPUMANTI** Italy France **MOTHER PARKERS** IISA **NATURAL WATERS OF VITI** Fiji **NESTLE WATERS** UK **PEPSICO** USA, Australia, UK, Germany, Brazil **SPENDRUPS** Swiden **SUNTORY** Mexico





FOOD









CONTITECH CHINA RUBBER & PLASTICS TECHNOLOGY

MILACRON PLASTIC TECH

WESTLAND GUMMIWERKE

OISHI - LIWAYWAY CHINA

KLINTPACK

CHOBANI

GRISSIN BON

BOMBARDIER

ROCA SANITARIO

IBERCHEM AROMAS

BUHLER LEYBOLD OPTICS

OTTAVIANI INTERNATIONAL

MARIA GALLAND

RUSI COSMETIC

SACMI

L'OREAL

ALCON

LUXOTTICA

MEKRA LANG

LUCE BIANCA

MIDAS CHAIN

PERLUNICA



MECHANICAL METALLURGICAL

ALSTOM TRANSPORT INDIA RIFSSF **BONFIGLIOLI RIDUTTORI** SATURN FASTENERS

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



CLOTHING





AUTOMOTIVE

AUDI Mexico, Belgium, Spain **BMW** China, Belgium, Germany, Mexico, Canada, UK **BREMBO** Italy, Poland, China, Czech Rep., USA **BRIDGESTONE CANADA** Canada Spain, Italy, Belgium, Netherlands **CNH INDUSTRIAL** USA, Germany CONTINENTAL **FCA** Brazil, Poland, Italy, Serbia **FERRARI** Italy **TRELLEBORG** UK **GOODYEAR** Germany, Canada HARLEY DAVIDSON USA **JAGUAR** Belgium MASERATI Italy MICHELIN France

PEUGEOT-CITROEN France **PORSCHE** Germany RENAULT France **SUBARU** USA, Canada **VOLKSWAGEN** Germany, China, Spain, Argentina



COSMETICS



OPTICAL





ENERGY

U٧	/AI	T١	V
ETF	20	CA	V
ETF	ROI	EC)
	EH	ETRO ETROI	EINOLL

ALLIANCE LAUNDRY

BIG HOME SHOP

INTERFACE

SCAVOLINI

OIL&GAS

BAKER HUGHES	UK
GE ENERGY	USA
KUWAIT NATIONAL PETROLEUM	COMPANY UAE
PETRO CANADA	Canada
PETROLEO BRASILEIRO	Brazil, Poland, Italy, Serbia



CHEMICAL PHARMACEUTICAL BIOMEDICAL

GLAXOSMITHKLINE Italy, UK, USA **INNOMED** USA INTAS PHARMACEUTICALS India **JOHNSON & JOHNSON** USA. Brazil **ORFIT** Belgium



PAPER

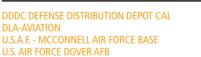




ELECTRICAL ELECTRONIC



ARMY





HYDRAULIC PNEUMATIC

BOSCH REXROTH WALVOIL GUNTER TATA HUOTECHNIKA MECANIZADOS ALCOY	Mexico, Germany, USA, Italy Italy, USA Hungary Spain

Brazil, Italy, Spain, Belgium

Italy

USA



CONAD DEL TIRRENO Italy **CONSUM COOP** Spain **OTK KART USA** . USA SUPERMERCATI TOSANO CEREA Italy **WOOLWORTHS SUPERMARKET** Australia



AGRICULTURAL MACHINERY

JOHN DEERE	USÁ
RANGER INDUSTRIES	USA
METROPOLITAN TRANSPORTATION AUTHORITY	USA



PACKAGING

SANA TRENNWANDBAU Germany **AETNA GROUP** USA **POPLAST** Italy SOFLOG France **TETRA PAK** Italy



SNCF France TORONTO TRANSIT COMMISSION Canada TRANSPORT

NEW YORK CITY TRANSIT AUTHORITY

CNH INDUSTRIAL

KOMATSU

Modula Worldwide presence



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

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