Modula LIFT

Think Vertical, Think Modula

NEW GENERATION
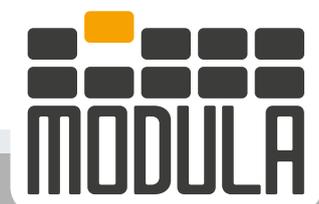
MODULA

Recover space and increase productivity

Invest in ergonomics and flexibility!

Modula vertical lift modules are the ideal solution to recover space on your shop-floor or distribution area, while improving the speed and ergonomics of picking operations and the safety of your operators.

30 years of experience and continuous research have enabled us to develop a highly technical product in which safety and intelligent 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 EFFICIENCY

5. REDUCE RISKS

6. BOOST INVENTORY MANAGEMENT

THROUGHPUT OF UP TO 120 TRAYS/HOUR

TRAY ADJUSTABILITY

25mm 25mm 25mm

PLASTIC-COATED STEEL EXTERIOR PANELS

SELF-CENTERING PULLEYS

EAGLE SELF-CENTERING V-SHAPE BELT

STEEL LOAD-BEARING STRUCTURE

TOUCH SCREEN OPERATOR CONSOLE

SIMPLE, INTUITIVE SOFTWARE
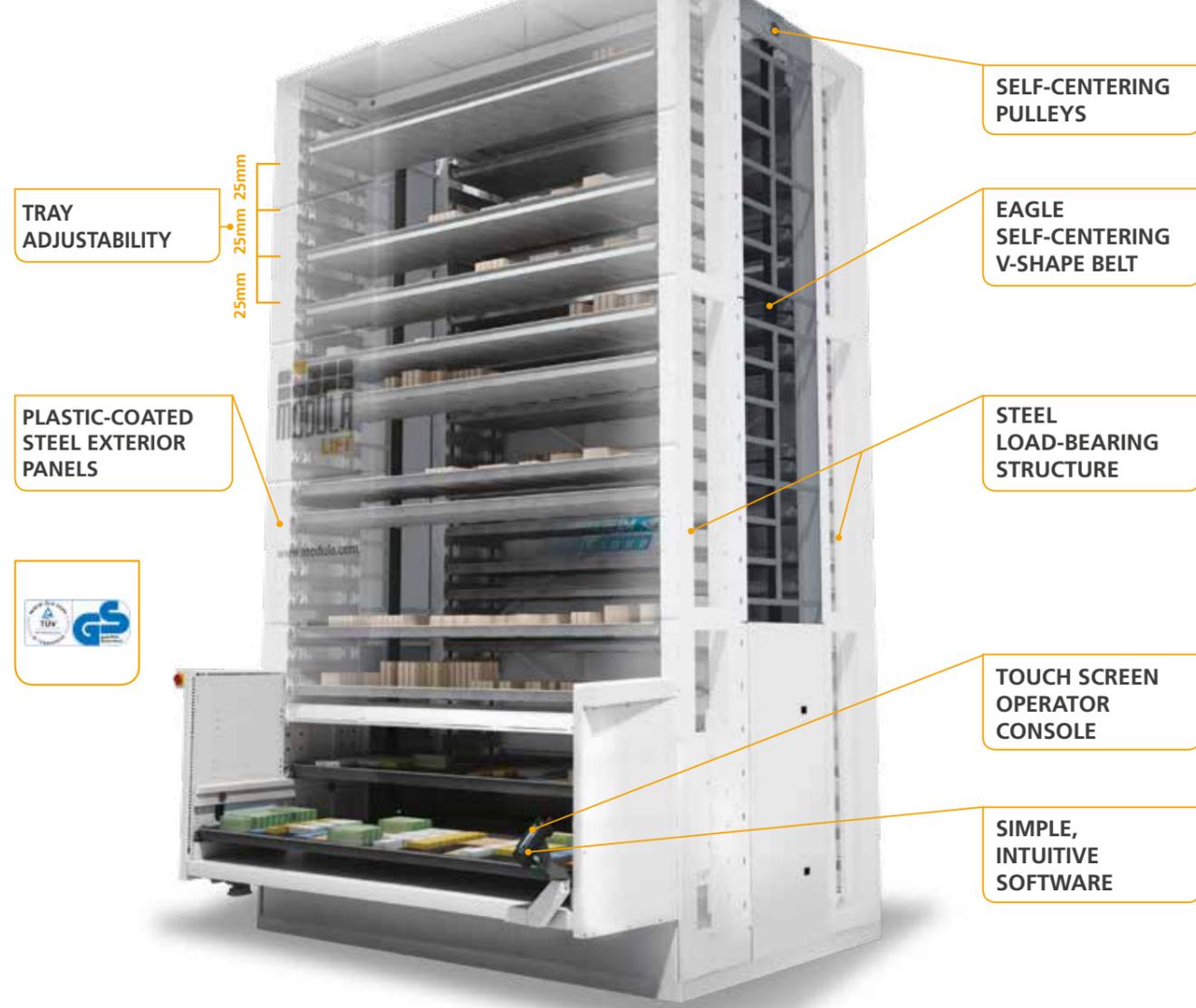
Technical features

Unit heights:
from 3,300 mm to 16,100 mm

Unit height increment:
200 mm

Tray storage pitch:
25 mm

Tray widths:
from 1,900 mm to 4,100 mm

Tray depths:
654 mm & 857 mm

Net tray payload:
250-500-750-990 kg

Net total payload:
from 40,000 kg to 80,000 kg depending on model and configuration

Gross total payload:
from 50,000 kg to 90,000 kg depending on model and configuration

Maximum stackable height:
695 mm (bay S) / 895 mm (bay M) / 1,295 mm (bay XL)

Throughput:
up to 120 trays/hr (depending on the configuration)

Operator interface:
industrial console with 10.4' 'touch screen (Copilot)

Number of bays:
up to 3, also above ground level and on the same side

Types of bay:
internal or external with single or dual delivery level

Minimal energy consumption
Automatic return tray weight check
Dynamic tray storage height
Load-bearing structure in galvanised steel
Eagle steel-reinforced toothed belt transmission
Elevator guide system with 6 rollers per side
Multiple payload tray management

Our advantages

Internal or external, single or dual delivery bays

Modula offers 4 different bay configurations.

Internal bays are the ideal solution when you need to limit the floor space occupied by the machine.

The external bay configuration makes the operator's work easier and improves ergonomics. It is the ideal solution when using mechanical equipment, such as lift trucks, manipulators or bridge cranes.

A single delivery level is the best solution when the machine will only be used moderately, or when the operator picking time is very short.

Dual delivery is the ideal configuration for a fast-paced picking operation, as it reduces down time.

SINGLE INTERNAL DELIVERY

SINGLE EXTERNAL DELIVERY

DUAL INTERNAL DELIVERY

DUAL EXTERNAL DELIVERY

Maximum payload for every tray width

Every model in the Modula Lift range offers the maximum load capacities for all tray sizes, independently of tray width and depth.

Up to 990 Kg across the entire tray range

Up to 4,100 mm wide

Copilot operator console

The Copilot is a rugged operator interface, suitable for any industrial environment. With its 10.4" colour display, touch screen technology and intuitive software, the console is extremely user-friendly.

Modula WMS software

Modula WMS is the ideal software for the management of any type of automated or manual warehouse. The perfect complement to Modula Lift, it has been designed to easily interface with ERP systems of all types.

Operator safety

All Modula vertical units are equipped with physical and optical safety barriers to render the working environment 100% safe for operators. Thanks to these features, Modula units have obtained TÜV-GS certification, guaranteeing conformance to current European safety standards.

PHOTOELECTRIC SAFETY BARRIERS

MECHANICAL SAFETY BARRIERS
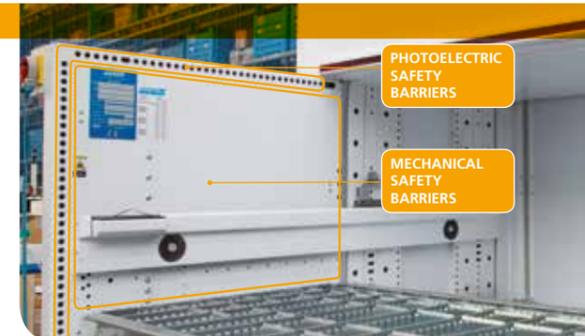
What can you store in a Modula?

A vertical lift module is an automated storage system in which materials of different weight, height and volume can be stored and picked. It is a solution that can be employed in any industrial sector and even in several departments of the same company to fulfil different functions. Modula units can be used to store components for use in production or as replacement parts, consumer products for distribution or sales, tools, utensils, cosmetics, pharmaceuticals, electrical and electronic components, to give just a few examples. The main advantages of this technology are that it offers significant space savings and faster picking, while improving inventory traceability and availability, and safety for both items and operators. Modula can be easily integrated with other systems and inserted in your company's workflow to optimise operations and improve efficiency.

The vertical lift module can be integrated with existing systems, such as robots, rollerways, Put-to-Light systems, manipulators, zero-weight lifting units and the company ERP. With Modula software, you can manage registry data of materials and users, production orders, stock levels, as well as carry out inventories and create dedicated analyses and reports using specific tools.
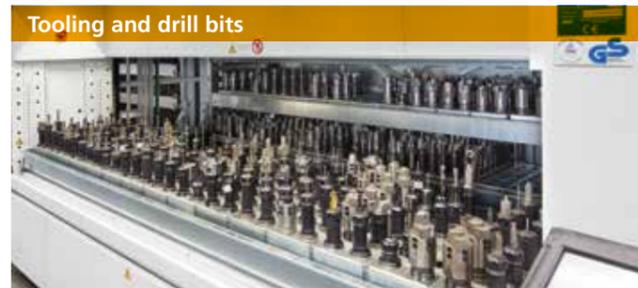
Tooling and drill bits

Reels and electronic components

Pharmaceuticals, boxes and cosmetics

Mechanical instruments

Tools and spare parts

Small parts and hardware

Bottles and labels

Spools, rope, chains

Integration with anthropomorphic robots

Put-to-Light systems connected to WMS

Integration with manipulators and cranes

Integration with conveyors

Insulated machines for outdoor installation

Fire protection system integration

Options

MODULA

Magnetic badge Reader

EKS Reader

RFID Reader

Alphanumeric bar

LED bar

Laser Pointer

Put-to-Light

1D or 2D barcode Reader

ESD protection system

Label printer
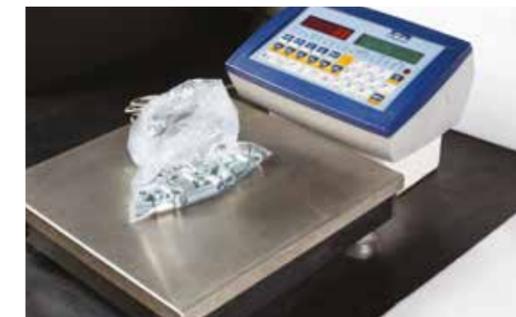
Counting scale

Sliding console

Automatic door

Electrified tray

Telescopic bay

Trolley

Picking cart

Foot bar task complete

End Picking Button

External bay lighting

SLOT TRAY WALLS
PARTITIONS
DIVIDERS
Tray accessories

Weight distribution plates

Modula Green

Our models

MA & MA-D

2,317 mm

Model	Tray width (mm)	Tray depth (mm)	Tray wall height (mm)	Net tray payload (kg)	Unit footprint with INTERNAL bay (Width x Depth) (mm)	Unit footprint with EXTERNAL bay (Width x Depth) (mm)
MA25	1,900	654	45 / 70 / 120	250	2,317x2,556	2,317x3,246
MA25D	1,900	857	45 / 70 / 120	250	2,317x3,165	2,317x4,058
MA50	1,900	654	70 / 120	500	2,317x2,556	2,317x3,246
MA50D	1,900	857	70 / 120	500	2,317x3,165	2,317x4,058
MA75	1,900	654	70 / 120	750	2,317x2,556	2,317x3,246
MA75D	1,900	857	70 / 120	750	2,317x3,165	2,317x4,058
MA1000	1,860	654	120	990	2,317x2,556	2,317x3,246
MA1000D	1,860	857	120	990	2,317x3,165	2,317x4,058

MC & MC-D

2,917 mm

Model	Tray width (mm)	Tray depth (mm)	Tray wall height (mm)	Net tray payload (kg)	Unit footprint with INTERNAL bay (Width x Depth) (mm)	Unit footprint with EXTERNAL bay (Width x Depth) (mm)
MC25	2,500	654	45 / 70 / 120	250	2,917x2,556	2,917x3,246
MC25D	2,500	857	45 / 70 / 120	250	2,917x3,165	2,917x4,058
MC50	2,500	654	70 / 120	500	2,917x2,556	2,917x3,246
MC50D	2,500	857	70 / 120	500	2,917x3,165	2,917x4,058
MC75	2,500	654	70 / 120	750	2,917x2,556	2,917x3,246
MC75D	2,500	857	70 / 120	750	2,917x3,165	2,917x4,058
MC1000	2,460	654	120	990	2,917x2,556	2,917x3,246
MC1000D	2,460	857	120	990	2,917x3,165	2,917x4,058

MX & MX-D

3,517 mm

Model	Tray width (mm)	Tray depth (mm)	Tray wall height (mm)	Net tray payload (kg)	Unit footprint with INTERNAL bay (Width x Depth) (mm)	Unit footprint with EXTERNAL bay (Width x Depth) (mm)
MX25	3,100	654	45 / 70 / 120	250	3,517x2,556	3,517x3,246
MX25D	3,100	857	45 / 70 / 120	250	3,517x3,165	3,517x4,058
MX50	3,100	654	70 / 120	500	3,517x2,556	3,517x3,246
MX50D	3,100	857	70 / 120	500	3,517x3,165	3,517x4,058
MX75	3,100	654	70 / 120	750	3,517x2,556	3,517x3,246
MX75D	3,100	857	120	750	3,517x3,165	3,517x4,058
MX1000	3,060	654	120	990	3,517x2,556	3,517x3,246
MX1000D	3,060	857	120	990	3,517x3,165	3,517x4,058

ML & ML-D

4,517 mm

Model	Tray width (mm)	Tray depth (mm)	Tray wall height (mm)	Net tray payload (kg)	Unit footprint with INTERNAL bay (Width x Depth) (mm)	Unit footprint with EXTERNAL bay (Width x Depth) (mm)
ML25	4,100	654	70 / 120	250	4,517x2,556	4,517x3,246
ML25D	4,100	857	70 / 120	250	4,517x3,165	4,517x4,058
ML50	4,100	654	120	500	4,517x2,556	4,517x3,246
ML50D	4,100	857	120	500	4,517x3,165	4,517x4,058
ML75	4,100	654	120	750	4,517x2,556	4,517x3,246
ML75D	4,100	857	120	750	4,517x3,165	4,517x4,058
ML1000	4,060	654	145	990	4,517x2,556	4,517x3,246
ML1000D	4,060	857	145	990	4,517x3,165	4,517x4,058

Some references

BEVERAGE

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

MECHANICAL METALLURGICAL

ALSTOM TRANSPORT INDIA	India
BIESSE	Italy, USA, Malaysia
BONFIGLIOLI RIDUTTORI	Italy, India, USA, China
SATURN FASTENERS	USA

AUTOMOTIVE

AUDI	Mexico, Belgium, Spain
BMW	China, Belgium, Germany, Mexico, Canada, UK
BREMBO	Italy, Poland, China, Czech Rep., USA
BRIDGESTONE CANADA	Canada
CNH INDUSTRIAL	Spain, Italy, Belgium, Netherlands
CONTINENTAL	USA, Germany
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

CHEMICAL PHARMACEUTICAL BIOMEDICAL

GLAXO SMITH KLINE	Italy, UK, USA
INNOMED	USA
INTAS PHARMACEUTICALS	India
JOHNSON & JOHNSON	USA, Brazil
ORFIT	Belgium

ELECTRICAL ELECTRONIC

BHARAT ELECTRONICS	India
EATON CONTROLS	Mexico
PT INFINEON	Singapore
SIEMENS	France, India, Mexico
WURTH	Germany, Slovakia

HYDRAULIC PNEUMATIC

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

AGRICULTURAL MACHINERY

CNH INDUSTRIAL	Brazil, Italy, Spain, Belgium
KOMATSU	Italy
JOHN DEERE	USA
RANGER INDUSTRIES	USA

TRANSPORT

METROPOLITAN TRANSPORTATION AUTHORITY	USA
NEW YORK CITY TRANSIT AUTHORITY	USA
SNCF	France
TORONTO TRANSIT COMMISSION	Canada

PLASTIC

CONTITECH CHINA RUBBER & PLASTICS TECHNOLOGY	China
MILACRON PLASTIC TECH	USA
KLINTPACK	Thailand
WESTLAND GUMMIWERKE	Germany

FOOD

CHOBANI	USA
GRISSIN BON	Italy
OISHI - LIWAYWAY CHINA	China

AERONAUTIC

BOMBARDIER	Germany
CHINA ACADEMY OF SPACE TECHNOLOGY	China
HINDUSTAN AERONAUTICS	India
LOCKHEED MARTIN CORP.	USA
LUFTHANSA	China

CERAMICS

FLORIM	Italy, USA
PORCELANOSA MEXICO	Mexico
PORCELANOSA NEW YORK	USA
ROCA SANITARIO	Spain
SACMI	Italy, Spain, Mexico

CLOTHING

GIORGIO ARMANI	Italy
HERMES	Italy
NIKE	USA, Belgium
PRADA	Italy
VALENTINO	Italy

COSMETICS

AIR-VAL INTERNATIONAL	Spain
IBERCHEM AROMAS	Spain
L'OREAL	China
MARIA GALLAND	Germany
RUSI COSMETIC	Germany

OPTICAL

ALCON	USA
BUHLER LEYBOLD OPTICS	China
LUXOTTICA	Italy
MEKRA LANG GMBH & CO.	Germany

JEWELLERY

LUCE BIANCA	Italy
MIDAS CHAIN	USA
OTTAVIANI INTERNATIONAL	Italy
PERLUNICA	Italy

ENERGY OIL&GAS

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

PAPER

AKIJ PRINTING AND PACKAGES	Bangladesh
BIC ECRITURE	France
CCL LABELS	USA
INTERNATIONAL PAPER	USA
HACHETTE LIVRE	France

ARMY

DDDC DEFENSE DISTRIBUTION DEPOT CAL	USA
DLA-AVIATION	USA
U.S.A.F. - MCCONNELL AIR FORCE BASE	USA
U.S. AIR FORCE DOVER AFB	USA

SUPERMARKET

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

FURNITURE

ALLIANCE LAUNDRY	Czech Rep.
BIG HOME SHOP	UK
INTERFACE	USA
SCAVOLINI	Italy
SANA TRENNWANDBAU	Germany

PACKAGING

AETNA GROUP	USA
POPLAST	Italy
SOFLOG	France
TETRA PAK	Italy

Modula Worldwide presence

World map showing Modula presence. Labeled locations:

SWEDEN, POLAND, CZECH REPUBLIC, GERMANY, BALTIC COUNTRIES, RUSSIA, BENELUX, IRELAND, BIELORUSSIA, UK, FRANCE, SLOVAKIA, HUNGARY, ITALY, ROMANIA, PORTUGAL, SPAIN, TURKEY, IRAN, CHINA, SOUTH KOREA, SERBIA, MONTENEGRO, SLOVENIA, CROATIA, SAUDI ARABIA, BANGLADESH, TAIWAN, EGYPT, UAE, THAILAND, VIETNAM, PHILIPPINES, INDIA, MALAYSIA, ISRAEL, SINGAPORE, INDONESIA, CANADA, USA, MEXICO, COLOMBIA, BRAZIL, ARGENTINA, URUGUAY, CHILE, SOUTH AFRICA, AUSTRALIA

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

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