EN



Modula LIFT

Think Vertical, Think Modula

NEW GENERATION

MODULA
www.modula.com



Recover space and increase productivity

Modula: your Vertical Lift Module

Modula are automatic vertical lift modules with trays, based on the concept of vertical storage and space saving on the ground.

They can reach a unit height of 16,1 metres high and hold up to 90.000 kg.

They can store all types of materials in a secure, clean, efficient manner, and they allow a ground surface area saving of up to 90%.
Modula have over 30 years' experience as an Italian company boasting the highest technology lines: a real smart factory 4.0.

Without Modula	With Modula
	
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

SELF-CENTERING
PULLEYS

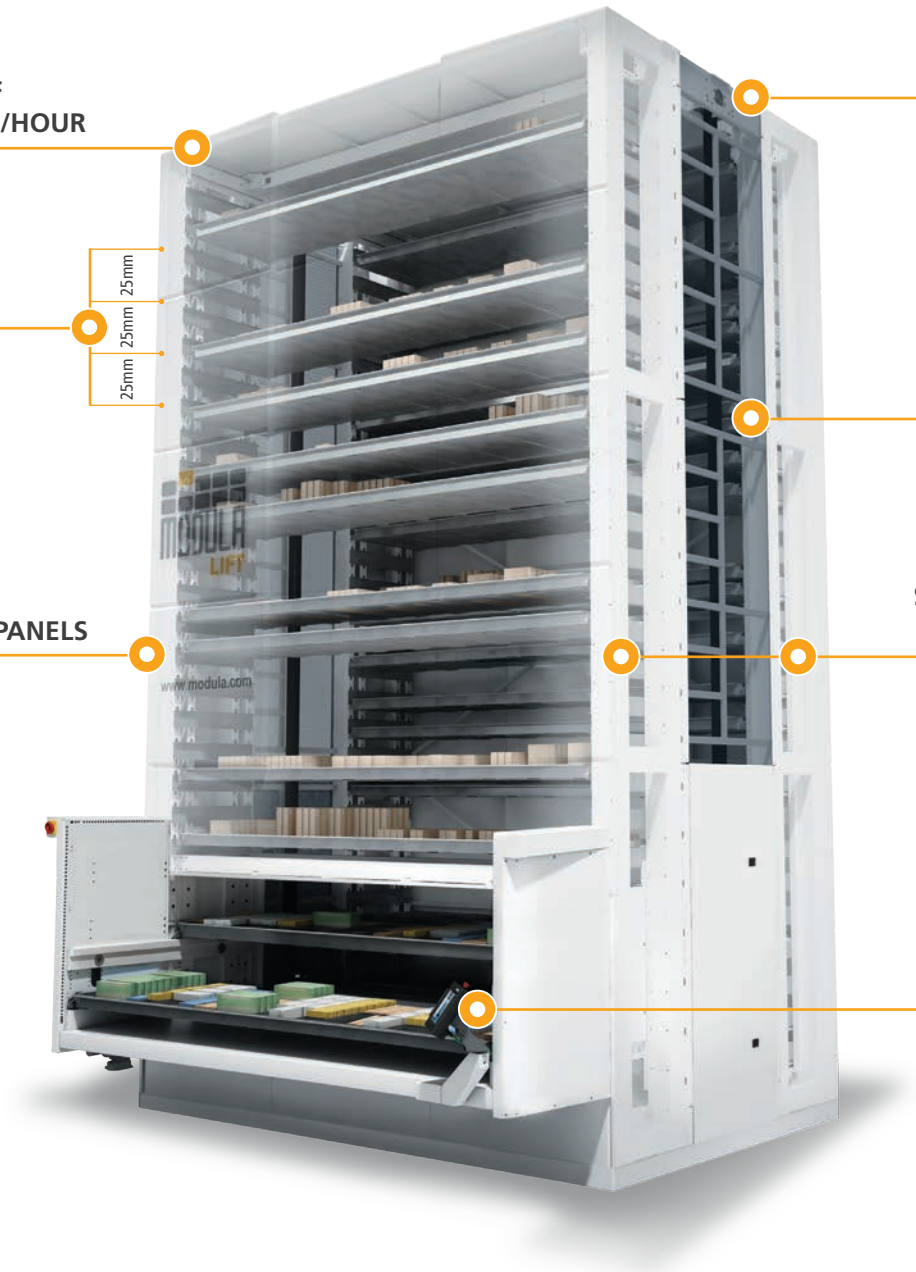
EAGLE
SELF-CENTERING
V-SHAPE BELT

PLASTIC-COATED
STEEL EXTERIOR PANELS

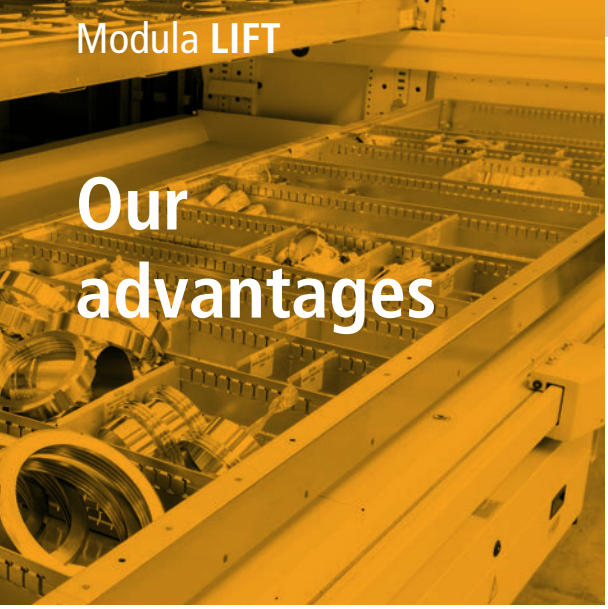
STEEL LOAD-BEARING
STRUCTURE

TOUCH SCREEN
OPERATOR CONSOLE

SIMPLE, INTUITIVE
SOFTWARE



TECHNICAL FEATURES	
UNIT HEIGHTS from 3.300 mm to 16.100 mm	THROUGHPUT up to 120 trays/hr (depending on the configuration)
UNIT HEIGHT INCREMENT 200 mm	OPERATOR INTERFACE industrial console with 10.4' 'touch screen (Copilot)
TRAY STORAGE PITCH 25 mm	NUMBER OF BAYS up to 3, also above ground level and on the same side
TRAY WIDTHS from 1.500 mm to 4.100 mm	TYPES OF BAY internal or external with single or dual delivery level
TRAY DEPTHS 654 mm & 857 mm	• 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
GROSS TOTAL PAYLOAD from 35.000 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)	



Our advantages

Modula's tray configurations

You can configure the Modula in different ways according to how you plan to use it, with different types of picking bays.

- **Single bay**
- **Internal bay**
- **Opposite bay**
- **Double bay**
- **External bay**
- **Displaced bay**

With Modula you can select the dual delivery level to work on two trays at the same time (while one is in the bay, the other is preparing the subsequent picking), or with an external bay which facilitates worker activity if he is using mechanical aids like forklifts, zero-weight cranes or overhead hoists.

You can also carry out picking simultaneously on two sides of the machine or have access to trays in different levels.

Single internal delivery



Single external delivery



Dual internal delivery



Dual external delivery



What can you store in a Modula?

Whatever your industrial sector, Modula lets you store any type of product or spare part, in different sizes, weights, heights and volumes.

What do companies usually stock?

- Spare parts
- Small items
- Products or consumer goods for distribution or sale
- Finished and semi-finished products
- Tools, equipment, cosmetics, pharmaceuticals
- Electrical and electronic materials
- Mechanical parts
- Boxes and much more.

Tooling and drill bits



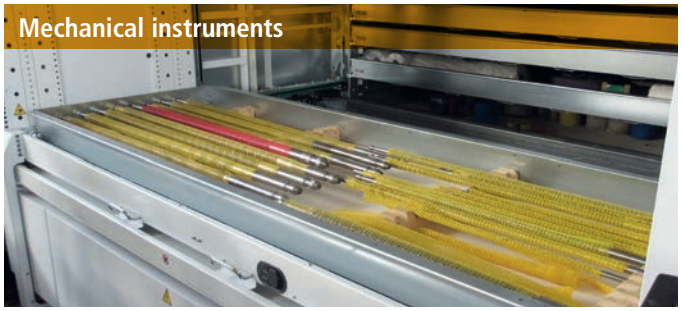
Reels and electronic components



Pharmaceuticals, boxes and cosmetics



Mechanical instruments



Tools and spare parts



Small parts and hardware



Bottles and labels



Spools, rope, chains





Our models

ME & ME-D



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)
ME25	1.500	654	45 / 70 / 120	250	1.917x2.556	1.917x3.246
ME25D	1.500	857	45 / 70 / 120	250	1.917x3.165	1.917x4.058
ME50	1.500	654	70 / 120	500	1.917x2.556	1.917x3.246
ME50D	1.500	857	70 / 120	500	1.917x3.165	1.917x4.058
ME75	1.500	654	70 / 120	750	1.917x2.556	1.917x3.246
ME75D	1.500	857	70 / 120	750	1.917x3.165	1.917x4.058
ME1000	1.460	654	70 / 120	990	1.917x3.165	1.917x4.058
ME1000D	1.460	857	70 / 120	990	1.917x3.165	1.917x4.058

MA & MA-D



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



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



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



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

MAXIMUM PAYLOAD FOR ALL TRAYS: UP TO 990 KG PER TRAY

INDUSTRIAL COPILOT CONSOLE: 10.4 INCH TOUCH SCREEN

MODULA WMS SOFTWARE: TO HAVE EVERYTHING UNDER CONTROL

OPERATOR SAFETY: EERGONOMIC, SAFE, TUV CERTIFICATION

Modula integrates with all technology

Modula is ideal for those who also need complete integration with other technologies such as:

- Robots
- Roller conveyor
- Put-To-Light systems
- Manipulators
- Zero Weight cranes.

Thanks to Modula WMS warehouse software, your VLM can be integrated with all ERP systems to connect the warehouse Modula into the company workflow and make it interact with the management system.

This way you can manage the materials and users registries, production orders, stocks, spare parts, and you can better check on stocks and all warehouse movements: picking and restoring. With Modula, taking inventory is very easy, while producing dedicated analyses and reports to have everything under control.

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

Magnetic badge Reader



EKS Reader



Laser Pointer



Put-to-Light



1D or 2D barcode Reader



Sliding console



Automatic door



Electrified tray



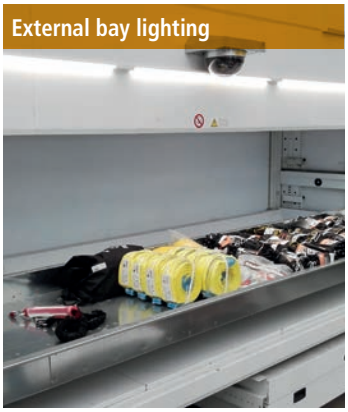
Foot bar task complete



End Picking Button



External bay lighting



RFID Reader



Alphanumeric bar



Options

LED bar



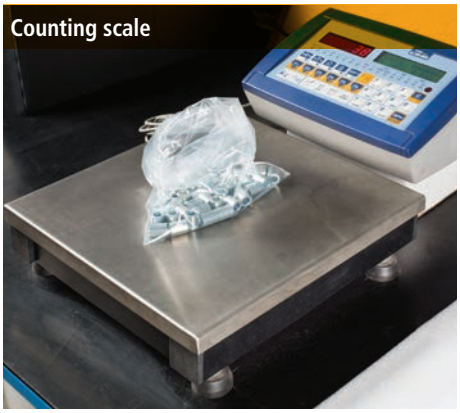
ESD protection system



Label printer



Counting scale



Telescopic bay



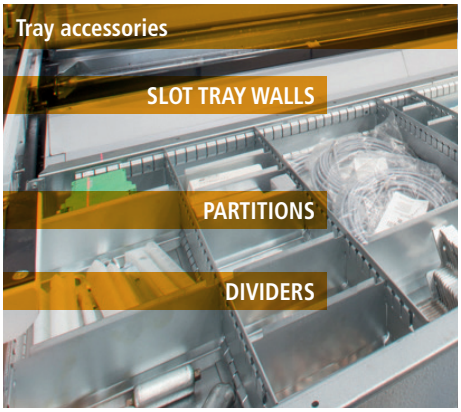
Trolley



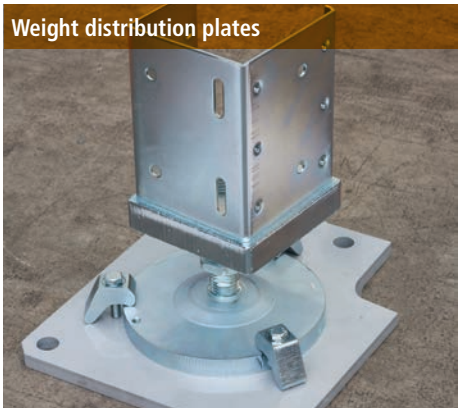
Picking cart



Tray accessories



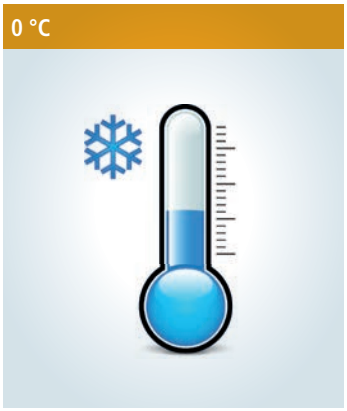
Weight distribution plates



Modula Green



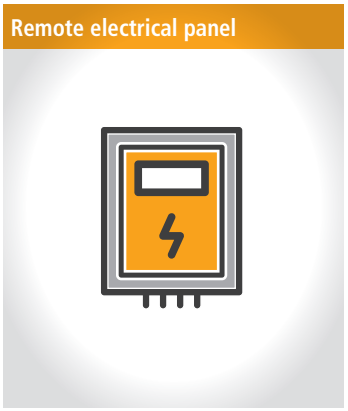
0 °C

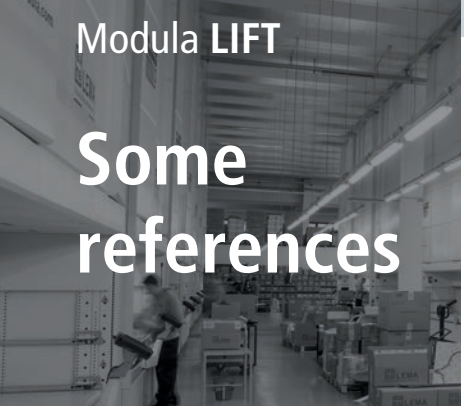


Sprinkler predisposition



Remote electrical panel





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
NESTLÈ 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
GKN DRIVELINE	Mexico, USA
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
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AGRICULTURAL MACHINERY

CNH INDUSTRIAL	Brazil, Italy, Spain, Belgium
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JOHN DEERE	USA
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TRANSPORT

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

PLASTIC

CONTITECH CHINA RUBBER & PLASTICS TECHNOLOGY	China
MILACRON PLASTIC TECH	USA
KLINTPACK	Tailandia
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 CORPORATION	USA
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LUCE BIANCA	Italy
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OTTAVIANI INTERNATIONAL	Italy
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ENERGY OIL&GAS

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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

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POPLAST	Italy
SOFLOG	France
TETRA PAK	Italy

Modula World



LIFT / JULY 2020

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

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