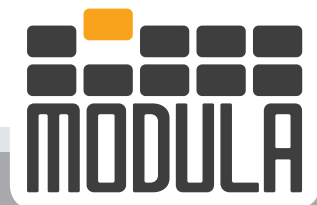




# Modula LIFT

Think Vertical, Think Modula

NEW GENERATION



modula.com

Modula LIFT

# 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



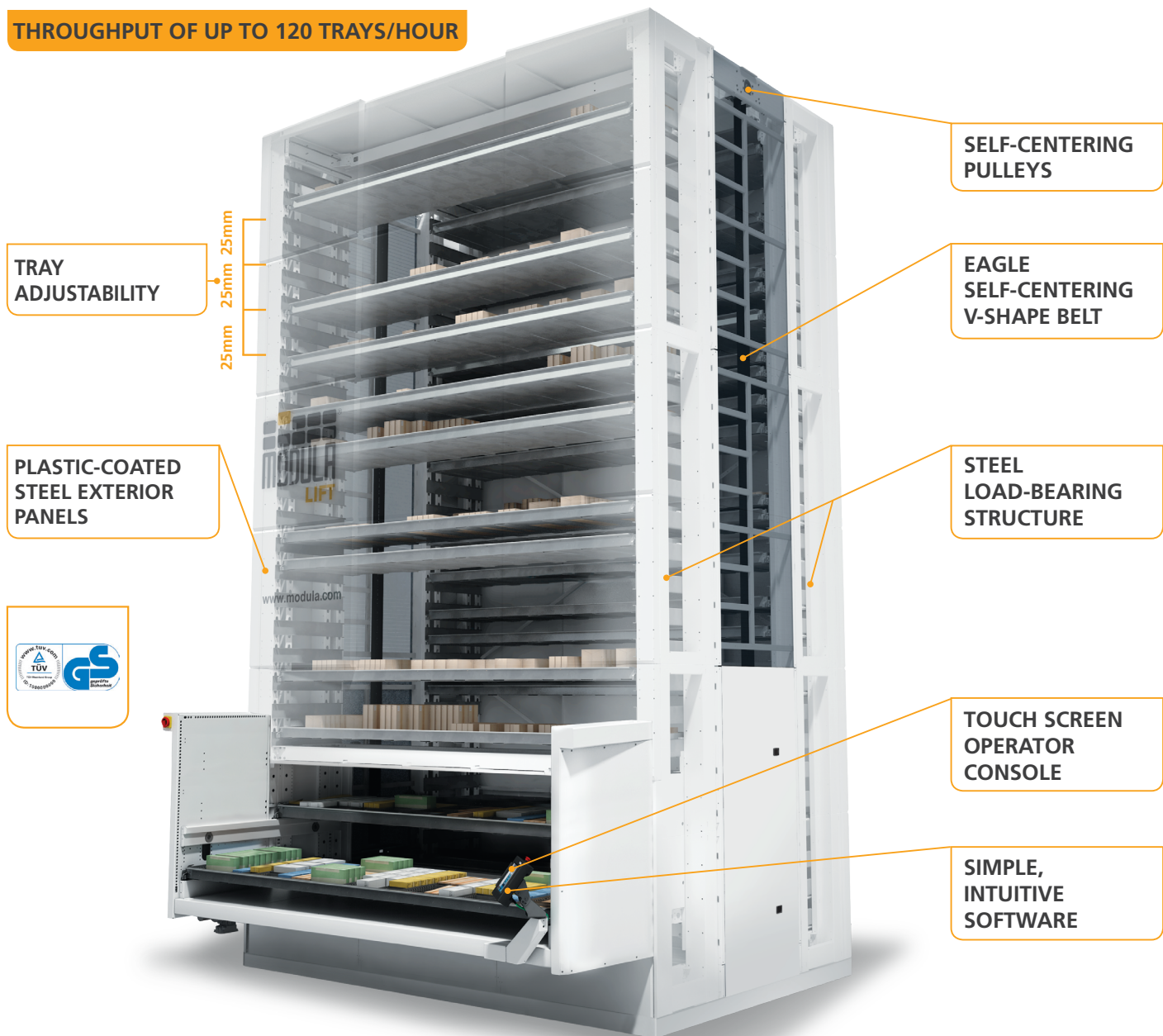
5. REDUCE RISKS



6. BOOST INVENTORY MANAGEMENT



**THROUGHPUT OF UP TO 120 TRAYS/HOUR**



## 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)

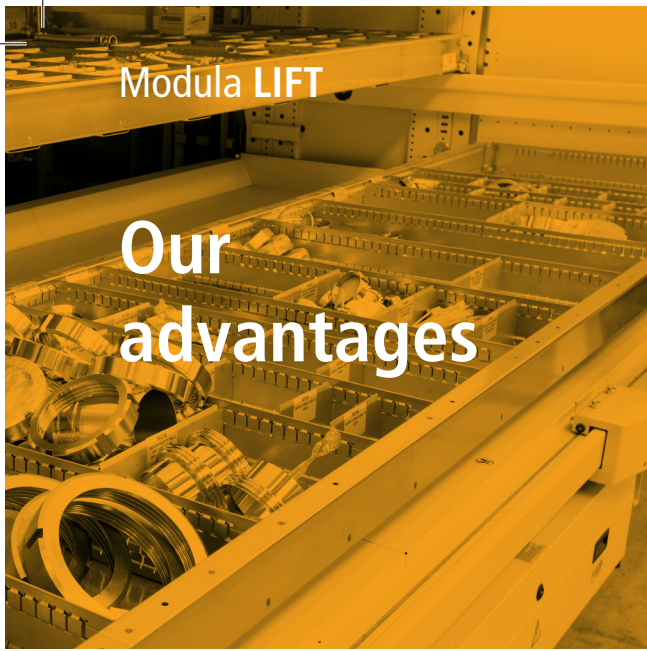
**Throughput:**  
up to 120 trays/hr (depending on the configuration)

**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



Modula LIFT

## 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.



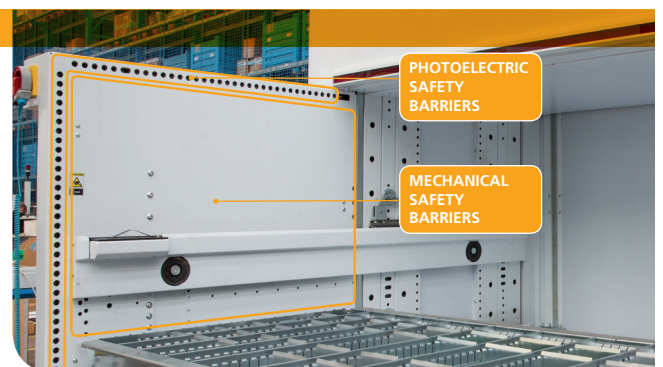
## Modula WMS software

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.





## Modula LIFT

# 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

### Tooling and drill bits



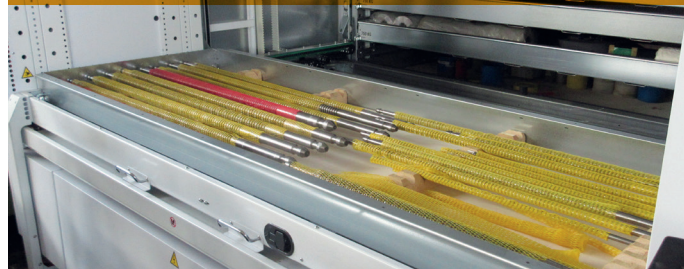
### Reels and electronic components



### Pharmaceuticals, boxes and cosmetics



### Mechanical instruments



### Tools and spare parts



### Small parts and hardware



### Bottles and labels



### Spools, rope, chains





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.

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



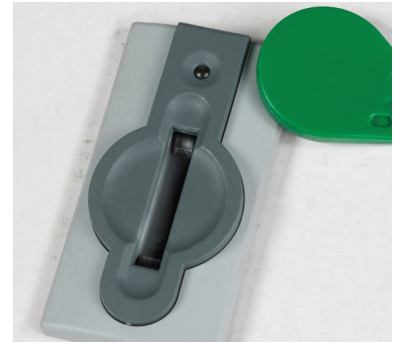


# Modula LIFT

## Options



Magnetic badge Reader



EKS Reader



Laser Pointer



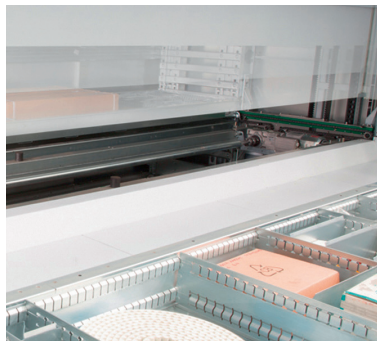
Put-to-Light



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



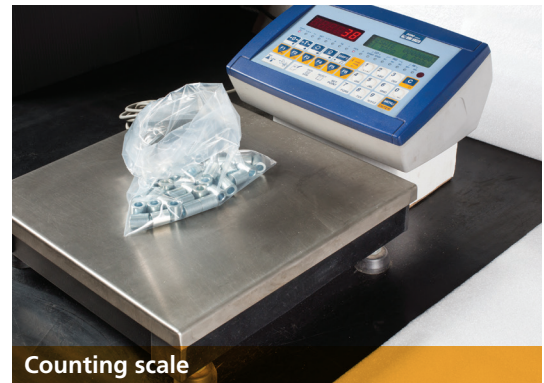
LED bar



ESD protection system



Label printer



Counting scale



Telescopic bay



Trolley



Picking cart



SLOT TRAY WALLS  
PARTITIONS  
DIVIDERS  
Tray accessories



Weight distribution plates

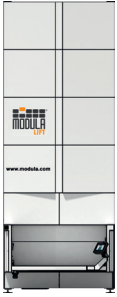


Modula Green

# 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

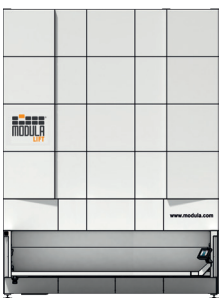
## MX & MX-D



← 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

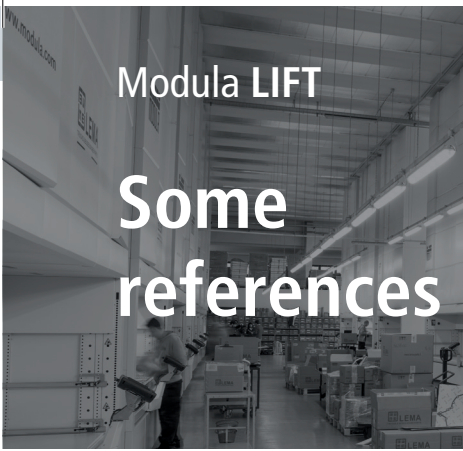
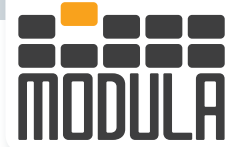


← 4,517 mm →

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** Sweden  
**SUNTORY** Mexico



**MECHANICAL METALLURGICAL**

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



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**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  
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**ELECTRICAL ELECTRONIC**

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**AERONAUTIC**

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**CHINA ACADEMY OF SPACE TECHNOLOGY** China  
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**NIKE** USA, Belgium  
**PRADA** Italy  
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**IBERCHEM AROMAS** Spain  
**L'OREAL** China  
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**CONSUM COOP** Spain  
**OTK KART USA CORP.** USA  
**SUPERMERCATI TOSANO CEREAL** Italy  
**WOOLWORTHS SUPERMARKET** Australia



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**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



LIFT

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

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