



# Modula LIFT

Think Vertical, Think Modula

NEW GENERATION

MODULA

# RECOVER SPACE AND INCREASE PRODUCTIVITY. VERTICAL AUTOMATED WAREHOUSES.

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 with a weight capacity up to 90.000 kg.

All types of material can be stored in a secure, clean, efficient manner, and they allow a footprint saving of up to 90%.

Modula are an Italian company with over 30 years experience, boasting the most advanced production lines: a real smart factory 4.0.

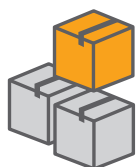


**WITHOUT MODULA**



**WITH MODULA**

## FLOOR SPACE RECOVERY UP TO 90%



**1. RECOVER SPACE**



**2. INCREASE SECURITY**



**3. SAVE TIME**



**4. IMPROVE EFFICIENCY**

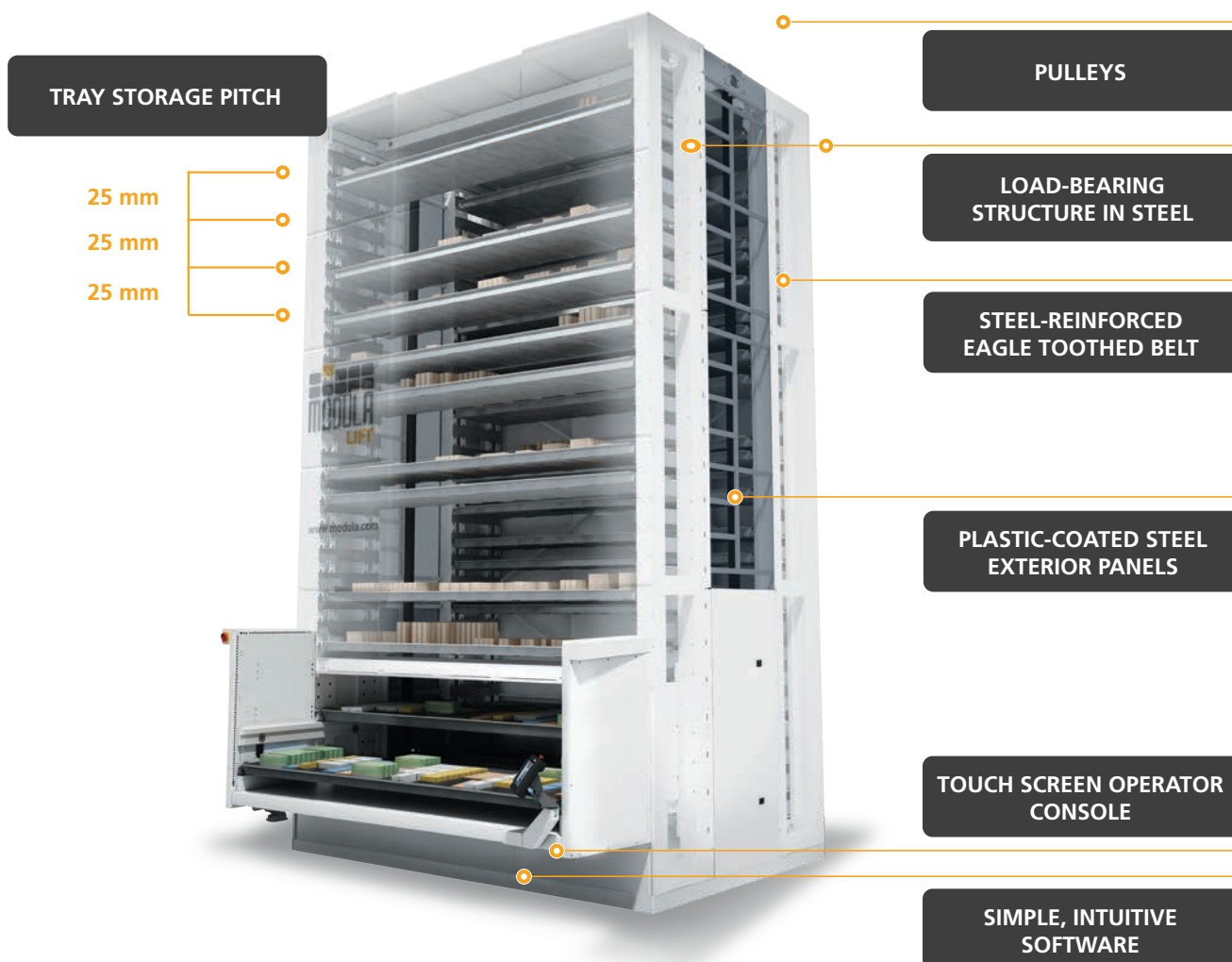


**5. REDUCE RISKS**



**6. BOOST INVENTORY  
MANAGEMENT**

- **UP TO 120 TRAYS PER HOUR**
- **12 BAY CONFIGURATIONS**
- **990 KG PAYLOAD FOR TRAYS UP TO 4,100 MM**



TECHNICAL FEATURES	
<b>UNIT HEIGHTS</b> 3,300 mm to 16,100 mm	<b>THROUGHPUT</b> up to 120 trays/hr (depending on the configuration)
<b>UNIT HEIGHT INCREMENT</b> 200 mm	<b>OPERATOR INTERFACE</b> industrial console with 10.4" touch screen (Copilot)
<b>TRAY STORAGE PITCH</b> 25 mm	<b>NUMBER OF BAYS</b> up to 3, including above ground level and on the same side
<b>TRAY WIDTHS</b> 1,500 mm to 4,100 mm	<b>TYPES OF BAY</b> internal or external with single or dual delivery level
<b>TRAY DEPTHS</b> 654 mm - 857 mm - 1,257 mm	<ul style="list-style-type: none"> <li>• Minimal energy consumption</li> <li>• Automatic return tray weight check</li> <li>• Dynamic tray storage height</li> <li>• Load-bearing structure in galvanised steel</li> <li>• Eagle steel-reinforced toothed belt transmission</li> <li>• Elevator guide system with 6 rollers per side</li> <li>• Multiple payload tray management</li> </ul>
<b>GROSS TOTAL PAYLOAD</b> from 35,000 kg to 90,000 kg depending on model and configuration	
<b>MAXIMUM STORAGE HEIGHT CAPACITY</b> 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 depending on 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 tray delivery system. This allows the operator to work on one tray in the bay, while the next is being collected for delivery once the first operation is completed.

The external bay facilitates worker activity when 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 on different levels.

## SINGLE INTERNAL DELIVERY



## SINGLE EXTERNAL DELIVERY



## DUAL INTERNAL DELIVERY



## DUAL EXTERNAL DELIVERY



# WHAT CAN YOU STORE IN A MODULA?

Whatever your industry sector, Modula lets you store any type of product or spare part, in varying 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



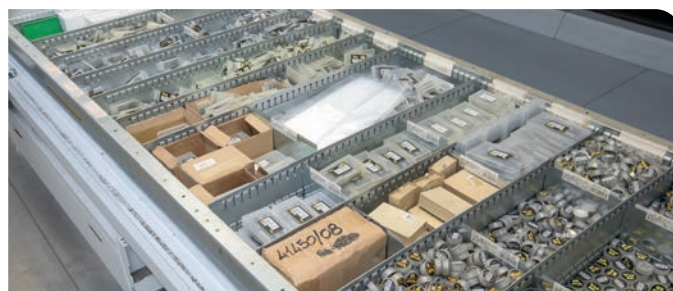
Pharmaceuticals, boxes and cosmetics



Mechanical instruments



Tools and spare parts



Small parts and hardware



Bottles and labels



Spools, rope, chains

# LIFT MODELS

## ME - MED - MEDD



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
ME25DD	1,460	1,257	45/70/120	250	1,917x4,365	1,917x5,658
ME50	1,500	654	45/70/120	500	1,917x2,556	1,917x3,246
ME50D	1,500	857	45/70/120	500	1,917x3,165	1,917x4,058
ME50DD	1,460	1,257	70/120	500	1,917x4,365	1,917x5,658
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
ME75DD	1,460	1,257	70/120	750	1,917x4,365	1,917x5,658
ME1000	1,460	654	70/120	990	1,917x2,556	1,917x3,246
ME1000D	1,460	857	70/120	990	1,917x3,165	1,917x4,058
ME1000DD	1,460	1,257	70/120	990	1,917x4,365	1,917x5,658

## MA - MAD - MADD



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
MA25DD	1,860	1,257	45/70/120	250	2,317x4,365	2,317x5,658
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
MA50DD	1,860	1,257	70/120	500	2,317x4,365	2,317x5,658
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
MA75DD	1,860	1,257	70/120	750	2,317x4,365	2,317x5,658
MA1000	1,860	654	120	990	2,317x2,556	2,317x3,246
MA1000D	1,860	857	120	990	2,317x3,165	2,317x4,058
MA1000DD	1,860	1,257	120	990	2,317x4,365	2,317x5,658

## MC - MCD - MCDD



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
MC25DD	2,460	1,257	45/70/120	250	2,917x4,365	2,917x5,658
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
MC50DD	2,460	1,257	70/120	500	2,917x4,365	2,917x5,658
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
MC75DD	2,460	1,257	70/120	750	2,917x4,365	2,917x5,658
MC1000	2,460	654	120	990	2,917x2,556	2,917x3,246
MC1000D	2,460	857	120	990	2,917x3,165	2,917x4,058
MC1000DD	2,460	1,257	120	990	2,917x4,365	2,917x5,658

## MX - MXD - MXDD



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
MX25DD	3,060	1,257	70/120	250	3,517x4,365	3,517x5,658
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
MX50DD	3,060	1,257	70/120	500	3,517x4,365	3,517x5,658
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
MX75DD	3,060	1,257	120	750	3,517x4,365	3,517x5,658
MX1000	3,060	654	120	990	3,517x2,556	3,517x3,246
MX1000D	3,060	857	120	990	3,517x3,165	3,517x4,058
MX1000DD	3,060	1,257	120	990	3,517x4,365	3,517x5,658

## ML - MLD - MLDD



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
ML25DD	4,060	1,257	70/120	250	4,517x4,365	4,517x5,658
ML50	4,100	654	120	500	4,517x2,556	4,517x3,246
ML50D	4,100	857	120	500	4,517x3,165	4,517x4,058
ML50DD	4,060	1,257	120	500	4,517x4,365	4,517x5,658
ML75	4,100	654	120	750	4,517x2,556	4,517x3,246
ML75D	4,100	857	120	750	4,517x3,165	4,517x4,058
ML75DD	4,060	1,257	120	750	4,517x4,365	4,517x5,658
ML1000	4,060	654	145	990	4,517x2,556	4,517x3,246
ML1000D	4,060	857	145	990	4,517x3,165	4,517x4,058
ML1000DD	4,060	1,257	145	990	4,517x4,365	4,517x5,658



**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: ERGONOMIC, 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 allow it to interact with the management system.

This way you can manage the materials and users registries, production orders, stock, spare parts, and you have improved control on stock and all warehouse movements: both picking and restoring.

With Modula, taking inventory is very easy, while producing dedicated analyses and reports ensures you 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



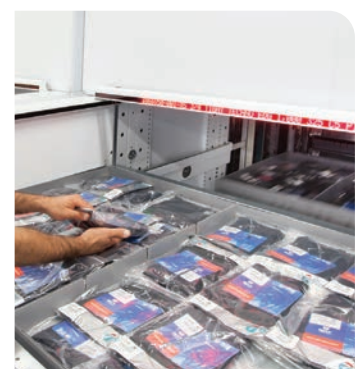
End Picking Button



External bay lighting



RFID Reader



Alphanumeric bar

# OPTIONS



LED bar



ESD protection system



Label printer



Counting scale



Telescopic bay



Trolley



Picking cart



Tray accessories

SLOT TRAY WALLS

PARTITIONS

DIVIDERS



Weight distribution plates



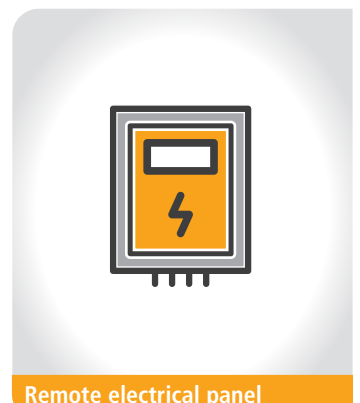
Modula Green



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  
 NESTLÉ WATERS UK  
 PEPSICO USA, Australia, UK, Germany, Brazil  
 SPENDRUPS Swiden  
 SUNTORY Mexico



## MECHANICAL METALLURGICAL

ALSTOM TRANSPORT INDIA India  
 BIESSÉ 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  
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 GKN DRIVELINE Mexico, USA  
 GOODYEAR Germany, Canada  
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 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  
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 WURTH Germany, Slovakia



## HYDRAULIC PNEUMATIC

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 GUNTER TATA HUOTECHNIKA Hungary  
 MECANIZADOS ALCOY Spain



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 KOMATSU Italy  
 JOHN DEERE USA  
 RANGER INDUSTRIES USA



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 SNCF France  
 TORONTO TRANSIT COMMISSION Canada



## PLASTIC

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 MILACRON PLASTIC TECH USA  
 KLINTPACK Thailandia  
 WESTLAND GUMMIWERKE Germany



## FOOD

CHOBANI USA  
 GRISSIN BON Italy  
 OISHI - LIWAYWAY CHINA China



## AERONAUTIC

BOMBARDIER Germany  
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## CERAMICS

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 PORCELANOSA NEW YORK USA  
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## CLOTHING

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 NIKE USA, Belgium  
 PRADA Italy  
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## COSMETICS

AIR-VAL INTERNATIONAL Spain  
 IBERCHEM AROMAS Spain  
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 MARIA GALLAND Germany  
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 MEKRA LANG GMBH & CO. Germany



## JEWELLERY

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 MIDAS CHAIN USA  
 OTTAVIANI INTERNATIONAL Italy  
 PERLUNICA Italy



## ENERGY OIL&GAS

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 GE ENERGY USA  
 KUWAIT NATIONAL PETROLEUM COMPANY UAE  
 PETRO CANADA Canada  
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## SUPERMARKET

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 CONSUM COOP Spain  
 OTK KART USA CORP. USA  
 SUPERMERCATI TOSANO CEREAL Italy  
 WOOLWORTHS SUPERMARKET Australia



## FURNITURE

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



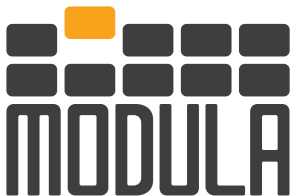
## PACKAGING

AETNA GROUP USA  
 POPLAST Italy  
 SOFLOG France

# MODULA WORLD



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



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