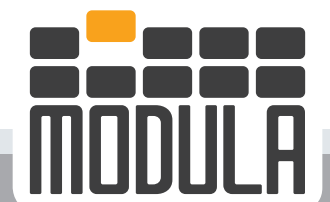




# Modula LIFT

Think Vertical, Think Modula

NEW GENERATION



# 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.



1. RECOVER SPACE



2. INCREASE SECURITY



3. SAVE TIME



4. IMPROVE EFFICIENCY



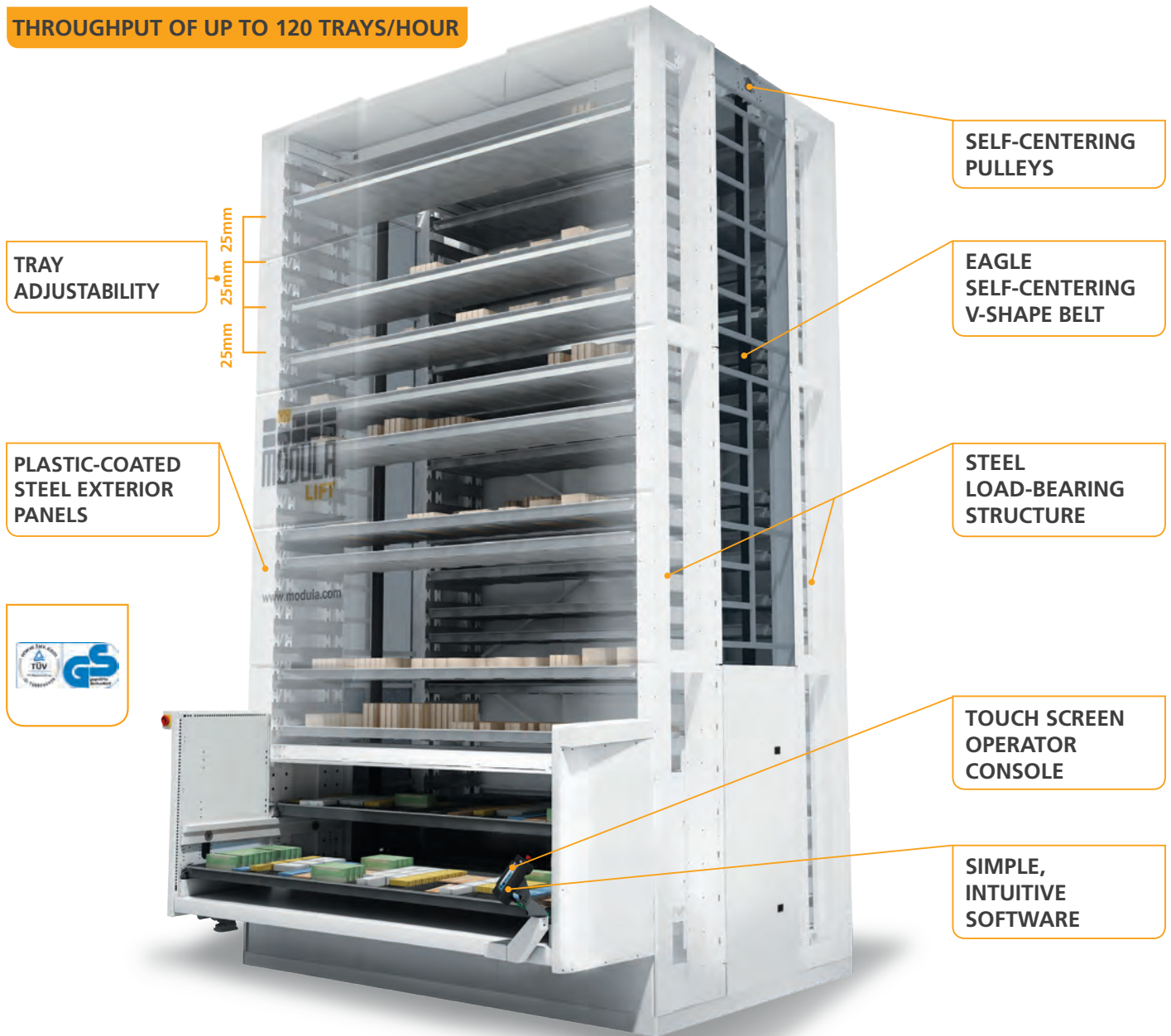
5. REDUCE RISKS



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

# 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.

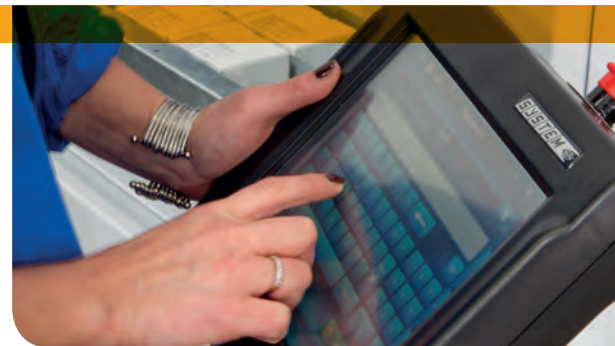
**Up to 990 Kg** across the entire tray range

**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.



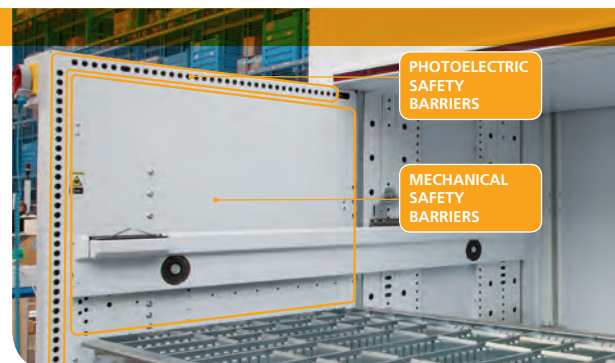
## Modula WMS software

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

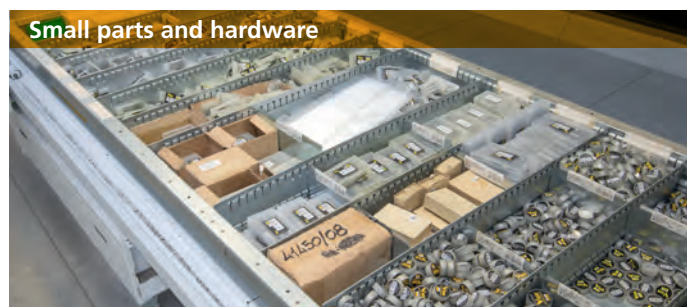
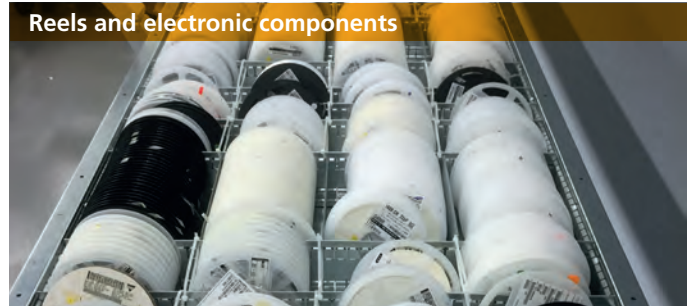
All Modula vertical units are equipped with physical and optical safety barriers to render the working environment 100% safe for operators. Thanks to these features, Modula units have obtained TÜV-GS certification, guaranteeing conformance to current European safety standards.





# 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



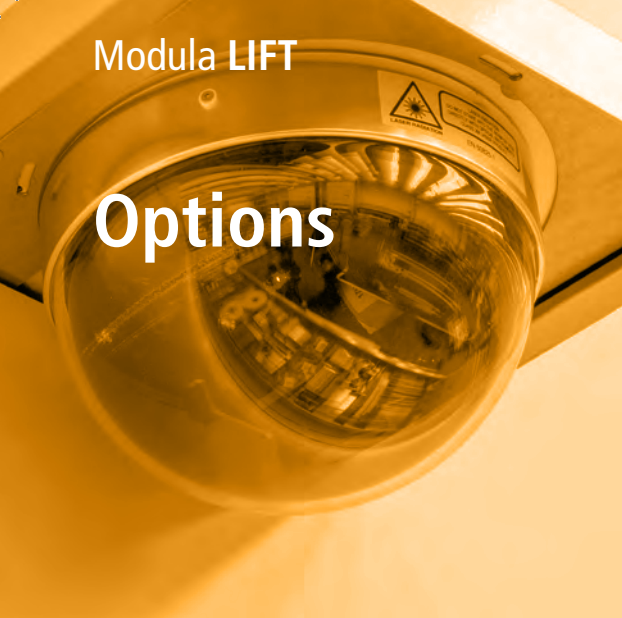


improving inventory traceability and availability, and safety for both items and operators. Modula can be easily integrated with other systems and inserted in your company's workflow to optimise operations and improve efficiency.

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.



# Options



Magnetic badge Reader



EKS Reader



Laser Pointer



Put-to-Light



1D or 2D barcode Reader



Sliding console



Automatic door



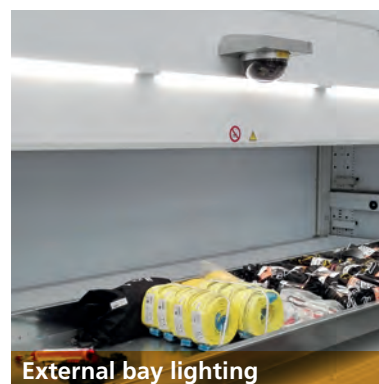
Electrified tra



Foot bar task complete



End Picking Button



External bay lighting





RFID Reader



Alphanumeric bar



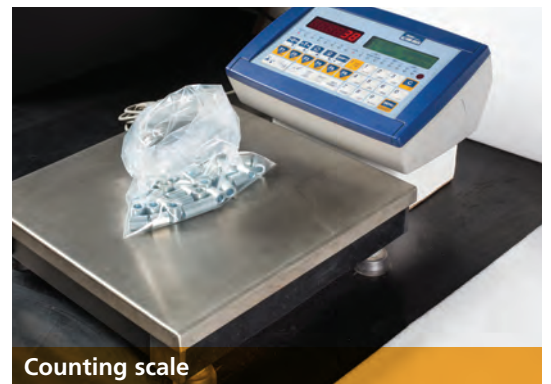
LED bar



ESD protection system



Label printer



Counting scale



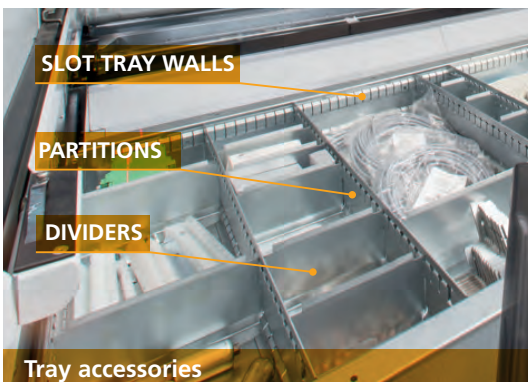
Telescopic bay



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

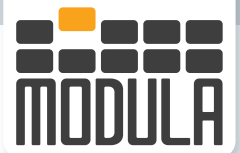


← 4,517 mm →

| 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 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 CEREIA 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



LIFT

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

## **SINGAPORE**

Vallen Singapore Pte Ltd  
101 Eunos Avenue 3, #07-01  
Singapore 409835  
Tel : (65) 6216 1600  
Email: [Sales.SG@vallen.asia](mailto:Sales.SG@vallen.asia)

## **MALAYSIA**

Vallen Singapore Pte Ltd (**Penang Branch**)  
Plot 97, Solok Bayan Lepas,  
Kawasan Perindustrian Bayan Lepas,  
11900 Bayan Lepas, Penang  
Tel : (604) 611 0382 / (6012) 481 8061  
Email: [Sales.MY@vallen.asia](mailto:Sales.MY@vallen.asia)

## **THAILAND**

Vallen (Thailand) Co., Ltd. (**Bangkok**)  
9/145-146 UM Tower,  
14th Floor Ramkhamhaeng Road,  
Suanluang, 10250, Bangkok  
Tel : (66) 2 7173 9214  
Email: [Sales.TH@vallen.asia](mailto:Sales.TH@vallen.asia)

## **MALAYSIA**

Vallen Singapore Pte Ltd (**KL Branch**)  
13, Jalan U1/35A, Section U1,  
Hicom Glenmarie Industrial Park,  
40150, Shah Alam, Selangor  
Tel : (603) 5879 8447  
Email: [Sales.MY@vallen.asia](mailto:Sales.MY@vallen.asia)



All information provided on this catalogue is for informative purposes only and is not binding. Modula reserves the right to change information on this catalogue at any time. Modula will not accept liability for or guarantee the accuracy of the information contained herein.