

System Logistics Product

The automated vertical storage system



Modula Lift, vertical storage systems



Modula Lift, the solution.

Modula Lift, the next generation vertical storage system from System Logistics is the ideal solution for any warehouse's storage needs. The Lift is a fully automatic vertical storage system providing increased storage capacity, improved picking accuracy and more ergonomic product handling for every product type in many different work environments. The Lift optimizes the available floor space within a facility, by utilizing the ceiling height available.

The Modula Lift is a breakthrough of evolution from the previous model and is able to store and pick items, components, semi-finished and finished products of any type, thanks in part to the unit's storage capacity (132,000 Lbs. net load capacity and the ability to consolidate over 9,000 Square Feet of static storage into a unit footprint of only 158 Square Feet).

The Modula Lift has been designed to have a modern and attractive appearance, while having a robust frame structure composed of steel load bearing profiles, fully welded and reinforced storage trays and modular exterior steel cladding panels all produced using fully automated production processes.

Modula Lift's structure provides storage for steel reinforced trays that are picked and deposited to picking bays by an automatic lift platform. The unit's functions are completely managed by an innovative hardware and software system integrated into the unit's controller, allowing users to easily manage and perform fast and efficient storage operations.



1 External Picking Bay, with Dual Delivery: For high rate applications the VLM can deliver multiple trays simultaneously



2 Optional sliding console: functional and ergonomic allowing an operator to position the console during picking activities



More performance as well as respect for the environment.

The ever increasing consideration to reduce energy consumption as well as for the environment has led to the new Modula Lift to be designed using highly efficient components along with innovative options and features to ensure a significant energy saving and guaranteeing a lower environmental impact at the same time.

Lower energy consumption is a result of using less powerful motors with higher efficiency ratings vs. previous Modula models. The unit's 4.0 Hp vertical axis lifting motor, which is also used for 1,653 Lb. tray capacity models provides a significant energy savings.

The optional ModulaGreen® feature allows for further energy saving by recovering the energy produced as the trays are lowered to the picking bay, which would otherwise be dissipated as heat and wasted energy.

Thanks to this option, the return on investment can easily be realized in just a few months time.



Modula Lift, the space savings



Modula, the vertical storage system to save space.

The new Modula Lift vertical storage system excels at storage, allowing for over 9,000 square feet of product to be stored and consolidated within a unit having a footprint of 158 square feet or less.

With unit heights up to 46 feet tall, the Modula Lift optimizes the vertical storage space within a facility and allows for work to be completed efficiently, with a very high picking speed.

Items may be placed within the Modula Lift's trays in variably sized storage locations, or "cells" which are slotted on 1.0" (25 mm) increments. This along with modular unit heights available on 7.87" (200 mm) increments allows for more trays to be stored within the Modula Lift's structure. Additional options available include tray wall extensions, partitions and dividers ensuring the highest operating flexibility.

In larger facilities, space can be further optimized by placing several Modula Lift units side by side.

The unit's modular structure as well as the newest generation of software enables units to communicate with each other allowing a single operator to manage multiple units simultaneously in within a common area, further optimizing their picking movements. Picking and replenishment operations of the various units can also be synchronized to allow for maximum efficiency, fully utilizing the operator's availability.



**9,000 sq.ft
into 158 sq.ft**



Modula Lift, providing ergonomics and efficiency



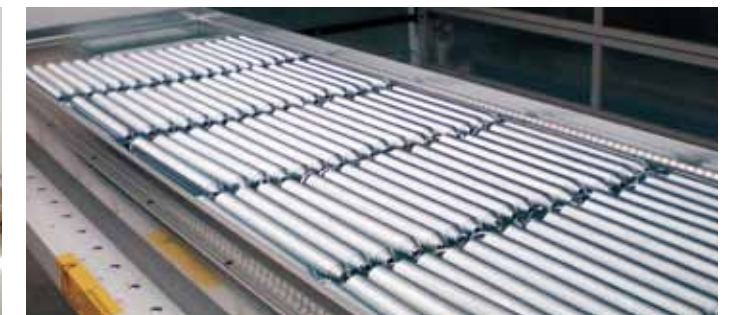
Internal or external picking bays, with single or dual level delivery.

The external picking bay provides maximum performance thanks to the ergonomics of the working space and also increases the overall safety level to operators.

The external picking bay feature also provides the ability for overhead picking, allowing for the use of external picking aides, such as robotic manipulator arms, cranes, etc. to more ergonomically handle products.

The smaller unit footprint required for units with an internal picking bay can further recover valuable floors space if the available area is particularly narrow.

Internal or external picking bay units equipped with dual level tray delivery provide a very high picking speed, eliminating operator wait time between picks. While the operator is picking product from one tray, the unit automatically retrieves and stages the next requested tray and then delivers it to the second delivery location. Operators are then guided in picking and replenishment operations conveniently by the unit's color touch screen console.



Modula Lift, the console



Efficiency and safety.

Lift OS

Modula Lift units have a color graphical touch screen console designed specifically for industrial environments, enabling the operator to access all of the unit's functions quickly and intuitively. The Modula Lift's touch screen console has an entirely new graphical interface developed in a full color icon based environment with simple and user friendly icons, making it very intuitive for operators who do not require any special training for daily use.

To ensure the security of items stored within the unit, operators are assigned specific passwords authorizing various levels of access permission depending on their responsibilities.

An easy to use wizard feature enables the operator to solve every fault or issue, dramatically reducing inefficiency. The console also incorporates automatic functions for managing scheduled maintenance.

The system allows users to check quantities and products stored within the trays at any time, for perfect product traceability. All tray movements and picking operations are recorded in a log file and can be viewed at any time providing total control of the unit as well as the products handled.

Modula WMS

For the integrated management and control of the Modula Lift System Logistics has developed **MODULA WMS**, an extremely advanced supervisory software package that can interact with any company's IT systems.

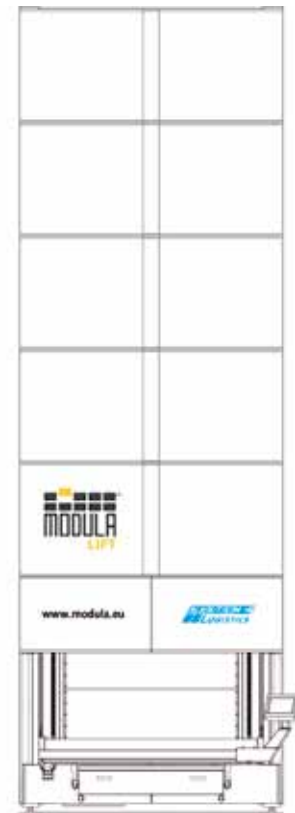
Modula WMS allows for the management of up to two levels of reference sub codes, enabling operators to manage lots accurately with total traceability of all items store within the system through parameters such as production date, lot number, handling date, etc.

MODULA WMS can manage the following:

- Product reception
- Production lot management
- Pinpointing the best handling strategies
- Order preparation
- Stock checks and statistical surveys
- Integration with all management "host" systems
- Packing lists
- Radio-frequency areas
- Management of other storage units, even manual areas
- Management of the areas for reception, shipment, quality control, etc.
- Goods flow management and control



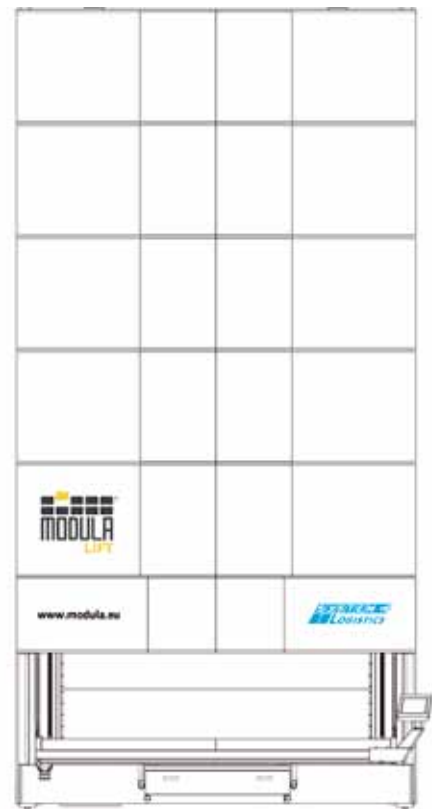
Modula Lift, the range



MA



MC



MX



ML

Model Comparison.

Maximum unit load capacity: 154,000 Lbs. Maximum product height with single delivery configuration: 27.56".
Maximum product height with dual-delivery configuration: 11.81"

Model	Tray Width (In.)	Tray Depth (In.)	Edge Height (In.)	Maximum Tray Capacity (Lbs.)	Unit Footprint Internal Bay (Width x Depth) (In.)	Unit Footprint External Bay (Width x Depth) (In.)
MA25	74.80	25.75	1.77/2.76/4.72	551	91.1 x 100.9	91.1 x 128
MA25D	74.80	33.74	1.77/2.76/4.72	551	91.1 x 124.9	91.11 x 160
MA50	74.80	25.75	2.76/4.72	1,102	91.1 x 100.9	91.1 x 128
MA50D	74.80	33.74	2.76/4.72	1,102	91.1 x 124.9	91.11 x 160
MA75	74.80	25.75	2.76/4.72	1,653	91.1 x 100.9	91.1 x 128
MA75D	74.80	33.74	2.76/4.72	1,653	91.1 x 124.9	91.11 x 160
MC25	98.42	25.75	1.77/2.76/4.72	551	114.7 x 100.9	114.7 x 128
MC25D	98.42	33.74	1.77/2.76/4.72	551	114.7 x 124.9	114.7 x 160
MC50	98.42	25.75	2.76/4.72	1,102	114.7 x 100.9	114.7 x 128
MC50D	98.42	33.74	2.76/4.72	1,102	114.7 x 124.9	114.7 x 160
MC75	98.42	25.75	2.76/4.72	1,653	114.7 x 100.9	114.7 x 128
MC75D	98.42	33.74	2.76/4.72	1,653	114.7 x 124.9	114.7 x 160
MX25	122.05	25.75	1.77/2.76/4.72	551	138.3 x 100.9	138.3 x 128
MX25D	122.05	33.74	1.77/2.76/4.72	551	138.3 x 124.9	138.3 x 160
MX50	122.05	25.75	2.76/4.72	1,102	138.3 x 100.9	138.3 x 128
MX50D	122.05	33.74	2.76/4.72	1,102	138.3 x 124.9	138.3 x 160
MX75	122.05	25.75	2.76/4.72	1,653	138.3 x 100.9	138.3 x 128
MX75D	122.05	33.74	2.76/4.72	1,653	138.3 x 124.9	138.3 x 160
ML25	161.41	25.75	2.76	551	177.7 x 100.9	177.7 x 128
ML25D	161.41	33.74	2.76	551	177.7 x 124.9	177.7 x 160
ML50	161.41	25.75	2.76/4.72	1,102	177.7 x 100.9	177.7 x 128
ML50D	161.41	33.74	2.76/4.72	1,102	177.7 x 124.9	177.7 x 160
ML75	161.41	25.75	4.72	1,653	177.7 x 100.9	177.7 x 128
ML75D	161.41	33.74	4.72	1,653	177.7 x 124.9	177.7 x 160

The specifications shown are subject to change at any time. Changes may be made without notice.

Modula Lift, customer care and the Group



Taking care of the customer.

We consider Customer Care service to be an integral part of our overall offer, offering assistance to customers to solve specific problems or faults that may be encountered. Our goal is to enable our customers to use the automated solutions we provide in the most satisfactory way.

Through a remote monitoring system, guided by a dedicated analysis and diagnostic program we are able to assist the customer in several corrective actions, allowing for technical intervention using specifically developed procedures to restore operation to the Modula Lift quickly.



A world leading group.

Modula is a division of System Logistics SpA, an important worldwide player in the field of industrial logistics and automation, offering complete systems for handling material flow within a company's production/distribution areas. Besides cooperating with several branches of its group, System SpA, System Logistics works in many countries around the world, thanks in part to its local branches, located in close proximity to all of its customers.

Modula locations around the world.

EUROPE

Italy	Headquarter
France	Branch
Spain	Branch
Portugal	Branch
Germany	Branch
UK	Dealer
Ireland	Dealer
Belgium	Dealer
Austria	Dealer
Slovakia	Dealer
Czech R.	Dealer
Poland	Dealer
Hungary	Dealer
Romania	Dealer
Netherlands	Dealer
Sweden	Dealer
Norway	Dealer
Cyprus	Dealer

AMERICA

USA	Branch
Canada	Branch
Mexico	Branch
Brazil	Branch
Argentina	Branch
Colombia	Branch

ASIA

China	Dealer
India	Dealer
Korea	Dealer
Malaysia	Dealer
Singapore	Dealer
Australia	Dealer
United Arab Emirates	Dealer

AFRICA

Egypt	Dealer
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Modula Lift, the choice



Some references

Accessories

Autocentri Balduina	Italy
Centro Porsche Roma	Italy
Dicsa	Spain
Eurobearings	Spain
Frigicoll	Spain
Gb Ricambi	Italy
Himoinsa	Spain
Ip Cleaning	Italy/Spain
Tivoly	France

Aeronautical Industry

Altus Air Force Base	USA
Boeing	USA
Centro Elicotteri Carabinieri	Italy
Continental Airlines	USA
Dasa	Germany
Eads	France
Embraer	Brasil
Honeywell International Aerospace	Mexico
Smiths Aerospace Components	USA
Snecma	France
Spectrum Aerospace	USA
Unison Engine Components-MTTP	USA

Food Industry

Arla Foods	Great Britain
Coca Cola Enterprises	Great Britain
Fructamine	Italy
Gate Gourmet	Denmark
Inalca	Italy/Russia
Menu'	Italy
Tetra Pack Packaging Solutions	Italy

Aluminium

Acra	France
Abastecimientos Del Norte	Spain
C2 Serramenti	Italy
Emmegi-Expal	Portugal
Estruperfil	Spain
Euralex'	Spain

Public Administration/Army

A.O.U. Ospedali riuniti di Trieste	Italy
Company Support Armament	USA
Embassy of the Usa	Great Britain
Fort Campbell	USA
Fort Lewis	USA
Hunter Army Air Field	USA
New York City Transit Authority	USA
Renfe Operadora	Spain

Santa Barbara	Spain
U.S. Postal Service	USA

Furnishing

Gruppo Spar	Italy
Mariner	Spain
Mobili Berloni	Italy
Scavolini	Italy

Automotive

A.B.S. All Brake Systems B.V.	Holland
Aprilia	Italy
Automobili Lamborghini	Italy
Autosport Tepper	Holland
Berco	Italy
Bosch	Italy/Poland
Brembo	Italy/Poland
Caterpillar (FIAT)	USA/Ita/Pol
Cnh	Italy
Ducati Motor	Italy
Ferrari	Italy
FIAT Auto Poland	Italy/Poland
Ford Motor Company	USA
Harley Davidson	USA
Iveco	Italy
Komatsu Utility Europe	Italy
Laverda	Italy
Maserati	Italy
Opel	Spain
Peugeot	France/Spain
Scuderia Toro Rosso SpA	Italy
Shanghai Automotive Brake Systems	China
Siemens Automotive Sa	France
Suzuki America	USA
Tower Automotive	USA
Trw Automotive Pumps	Italy
Volkswagen	Spain
Wendle Nissan Sales	USA

Biomechanics/Biomedical Industry

Biomet	Spain
Comecer	Italy
G.F.	Italy
Lean	Italy
Synthes	USA
St. Jude Medical	USA

Paper Industry/Publishing

Kimberley-Clark	USA
Zanichelli Editore	Italy

Ceramic Industry

Ceramica Sant'agostino	Italy
Ceramicas Gaya	Spain
Colorker	Spain
Cooperativa Ceramica d'Imola	Italy
Grespania	Spain
Internacional De Ceramica	Mexico
Laminam	Italy
Porcelanosa	Spain
Sacmi	Italy/Spain
Smalticeram	Italy

Electrical/Electronic Industry

Adc Telecommunications	USA
Alcatel Business System	France
Bticino	Italy
Canon	France
Dasa	Germany
Datalogic	Italy/Slovakia
Duracel	Italy
Electrolux Zanussi	Italy
Elettric 80	Italy
Elettronica Cimone-Beghelli	Italy
Garmin	USA
General Electric Canada	Canada
Gewiss	Italy
Infineon	Portugal
Koxka	Spain
Master Cadena	Spain
Orange	Great Britain
Sew Usocome	France
Staubli	France
Tyco Electronics	USA

Pharmaceutical Industry

Abbott	France/Italy
Aventis Pharmaceutical	USA
Baxter	Great Britain
Frosst Iberica	Spain
Glaxosmithkline	UK/USA/Ita/Fra

Mechanical/Metallurgy

Abb Industrie Spa	Italy
Abb Power Technologies	Italy
Acciaierie Valbruna	Italy
Alstom Power It.	Italy
Arcelor Piombino	Italy
Bonfiglioli Riduttori	Italy
Dalmec	Italy
Honeywell Garrett	Italy/Romania
Motovario	Italy

Ormic	Italy
Otis	Italy
Rossi Motoriduttori	Italy
Zucchetti Rubinetterie	Italy

Ship Building

Cantiere Nautico Cranchi	Italy
Crn	Italy
Ferretti	Italy
Grupo Izar	Spain
Pershing	Italy

Oleodynamic/Pneumatic Industry

Bosch-Gruppo Oil Control	Italy
Marzocchi Pompe	Italy
Pneumatica Farbo	Italy
Pompetravaini	Italy
Sc Oleodinamica	Italy
Teconasa	Spain
Walvoil	USA

Optical Industry

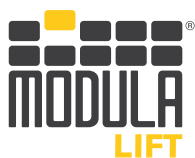
Bausch & Lomb-IOM SpA	Spain
De Rigo Vision	Italy
Fuji Photo Film	Great Britain
Luxottica	Italy
Marcolin	Italy
Opticas	Spain

Plastic Industry

Alcolor	Spain
Favaron	Italy
Formosa Plastics Corp.	USA
Graham Packaging Europe	Spain
Stilflex	Italy
Trelleborg Sealing Solutions	Italy

Textile Industry/Clothing Industry

Aeffe	Italy
Ciocca	Italy
Clothing Company-Belstaff	Italy
Fast Fashion	Italy
Filatess	Italy
Gimenez Collection	Spain
Gruppo Max Mara	Italy
Prada	Italy
Realfio Texteis	Portugal
Sixtie Factory	Italy



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