



Modula SINTESI1

Think Vertical, Think Modula

The solution for lightweight products in small spaces.

A vertical lift module (VLM) that has been tailor-made for small to medium-sized environments, ideal for storing and picking small items such as electronic components, pharmaceuticals, small tools.

Modula Sintes1 features an elegant and modern design, an internal structure in zinc coated steel profiles and an external cladding of pre-coated steel coverings entirely manufactured on a high-technology production line.

Before



Floor Space Recovery



1. RECOVER SPACE IN SMALL ENVIRONMENTS



3. SAVE TIME AND INCREASE OPERATION SPEED



5. REDUCE RISKS OF YOUR EMPLOYEES



After



UP TO **90%**



2. INCREASE SECURITY OF STORED GOODS



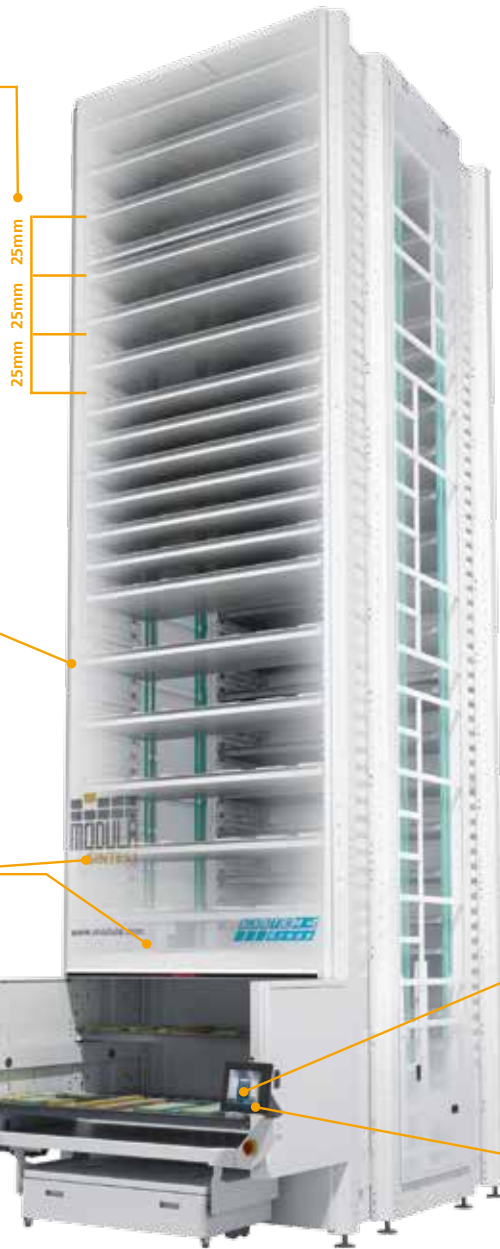
4. IMPROVE ACCURACY WITH A MINIMAL INVESTMENT



6. BOOST INVENTORY MANAGEMENT WITH A DEDICATED SOFTWARE

THROUGHPUT UP TO 140 TRAYS/HOURS

TRAY ADJUSTABILITY



CERTIFICATION



PRE-COATED STEEL PANELS

STEEL REINFORCED BELT

TOUCH SCREEN OPERATOR CONSOLE

USER FRIENDLY SOFTWARE INTERFACE

Technical highlights

- Unit height: **from 3.300 mm to 14.100 mm**
- Unit height increments on: **200 mm**
- Tray storage adjustability: **25 mm**
- Tray widths: **from 1.900 mm to 4.100 mm**
- Tray depths: **654 mm & 857 mm**
- Maximum height of stored material: **680 mm**
- Net tray payload capacity: **250 Kg., 500 Kg. & 750 Kg.**
- Net unit load capacity: **60.000 Kg**
- Gross unit load capacity: **70.000 Kg**
- Throughput: **Up to 120 Trays / hr. (depending on the unit's configuration)**
- Operator interface: **Rugged 10,4" color touchscreen operator control console**
- Nr. of bays: **up to 2 only on ground level**
- Type of bay: **internal or external with single or dual tray exit**
- Minimal energy consumption: **1,5 KW motor for vertical axis**
- Automatic weight control at the intake of each tray
- Dynamic height allocation management of trays
- Internal zinc coated steel structure
- Vertical axis driven by 4 steel reinforced toothed belts
- Guide system based on 4 Vulkolan wheels per side

Flexibility

Modula Sintes1 is the automated storage system ideal for any kind of goods. Small shops as well as big facilities can benefit of its flexibility, increasing efficiency and performances in an easy and quick way.

Copilot operator “Console”

The Copilot is an operator panel of sturdy construction, suitable for any industrial environment. Thanks to its 10,4” colour display with touch screen technology and an easy to use software package it results extremely user friendly for any operator.

Modula® WMS software suite

Modula WMS is a fully featured warehouse management software that can be used as perfect completion for Modula Lift management or as a standalone software tool. It can be interfaced with almost any ERP system.

Operator safety

All Modula units are equipped with physical and optical safety barriers in order to ensure a 100% safety environment to the operators. The product safety is further assured by the certification TUV-GS obtained for the whole product line.

Internal or external, single or double

Modula offers 4 different bay configurations.

The internal bay is the ideal configuration when you have a floor space constraint

The external bay offers the best possible ergonomic workplace for the operators.

It can provide further benefits when used in combination with picking aids like cranes and mechanical manipulators to lift heavy items stored.

The single delivery level is ideal when the machine will be used moderately, or when the picking time is quick.

The dual delivery is the ideal configuration for a fast-paced picking operation.



SINGLE INTERNAL BAY



SINGLE EXTERNAL BAY



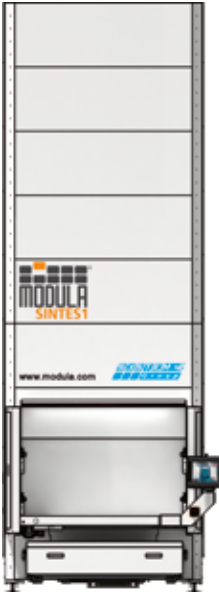
DOUBLE INTERNAL BAY




DOUBLE EXTERNAL BAY



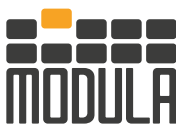
Sintes1.3

	Model	Tray Width (mm)	Tray Depth (mm)	Tray height (mm)	Maximum Tray Load Capacity (kg)	Unit Footprint INTERNAL BAY (Width x Depth)	Unit Footprint EXTERNAL BAY (Width x Depth)
	SINTES1.3	1.300	654	31-56	200	1.650x2.376	1.650x3.101
Modula reserves the right to make variations without prior notice.							

Sintes1.7

	Modello	Tray Width (mm)	Tray Depth (mm)	Tray height (mm)	Maximum Tray Load Capacity (kg)	Unit Footprint INTERNAL BAY (Width x Depth)	Unit Footprint EXTERNAL BAY (Width x Depth)
	SINTES1.7	1.700	654	31-56	200	2.050x2.376	2.050x3.101
Modula reserves the right to make variations without prior notice.							





Accessories

Black&Decker	USA
Colgate Palmolive Company	USA
Costan	Italy
Cristian Lay	Spain
Deny Fontaine	France
Dewalt	USA
GGB	USA
Incold	Italy
Maria Galland	Germany
Osram	Germany
Seco Tools	France

Aeronautic

Barry Controls Aerospace	USA
Bombardier	Germany
Dassault Aviation	France
Embraer	Brazil
Eurocopter	France
Israel Aerospace Industries	Israel
JPR	France
Krasny Oktyabr	Russia
Lufthansa	China
TFI	France

Food Industry

Acetaia di Modena	Italy
Beam Global	Spain
Contri Spumanti	Italy
Damm	Spain
Marchesi Antinori	Italy
Mars	USA
Nestle	Great Britain
Pepsi Corporation	USA
Spendrups	Sweden
Vonpar Refrescos	Brazil
Yoplait (General Mills)	France

Furnishing

Alexandria Mouldings	USA
Edilkamin	Hungary
Franke	Italy
Immergas	Italy

Automotive

Automobili Lamborghini	Italy
Axletech	France
Betamotor	Italy
Brembo	Italy/Poland/China
Caterpillar	USA
Chrysler	Mexico
CNH Industrial (FIAT)	Spain/Belgium
Continental	Germany/Romania/Serbia
Daimler	Germany
Ferrari	Italy
FIAT	Italy/Serbia
Ford	Spain
Goodyear	Germany
Iveco (FIAT)	Spain
John Deere	USA
Renault	France
New Holland Tractor (FIAT)	Holland
Pagani Automobili	Italy
Porsche	Germany
Volkswagen	Germany/China

Biomechanical/Biomedical Industry

Biotec	Italy
Fatro SPA	Italy
Medison co.	Korea
Merit Medical Systems	USA
Neodent	Brazil
Steris Corporation	USA
Symrise	USA
Synthes	USA

Paper Industry/Publishing

Crane&Co	USA
Irving Tissue	USA
MPO	France
Rocktenn Preprint	Canada
SICPA	Brazil
Sofidel	Italy/France

Ceramic Industry

Cooperativa Ceramica di Imola	Italy
Euroceramique	Spain
Kajaria Ceramics	India
Pamesa Ceramica	Spain
Porcelanosa Group	USA
Sacmi	Italy/Mexico
Serenissima Ceramiche	Italy
Tecnografica	Italy

Chemical

Akzo Nobel	Italy
BASF	Spain
Dupont	USA
Firmenich	Switzerland
Grupo AC Marca	Spain
Infracor Gmbh	Germany
Wacker Chemie	Germany

Construction Industry

Aluplast	Italy
I.K.O.	Canada
Saint Gobain	USA
Wilo SE	Germany

Electrical/Electronic Industry

ABB	Estonia
Disano Illuminazione	Italy
Emerson Industrial Automation	Brazil
ETI	Slovenia
Johnson Controls	Germany
Kemet	Mexico
Moog	Italy
Rexroth Bosch Group	Germany/Russia
Siemens	USA/Germany/Mexico
Staubli	France
Tyco Electronics	Mexico

Energy Industry

Babcock & Wilcox	USA
BP British Petroleum	Great Britain
Conoco Philips	USA
Dow-Kokam	USA
Duke Energy	USA
Nordex Energy Gmbh	Germany
Petrobras	Brazil
Schlumberger	Mexico

Pharmaceutical

Abbott	France
Amgen	USA
Bayer	Mexico
Cooper Vision	USA
Fresenius Kabi	Italy
GlaxoSmithKline	USA
Janssen Pharmaceutical	Belgium
Johnson & Johnson	USA
Roche	Italy

Hydraulic/Oledynamic/Pneumatic Industry

Dicsa	Spain
Festo Pneumatics	Mexico
Hawe Hydraulics	USA/China
HP Hydraulics	Italy
IMM Hydraulics	Italy/Great Britain
Mono Pumps	Great Britain
Sag/Sagom Tubi	Italy

Logistics/Transport Industry

AVTO LOGISTIKA	Russia
CSX Transportation	USA
DB Service Gmbh	Germany
Infrabel Railway	Belgium
Kuhne + Nagel	Spain/France
MTA Metro North Railroad	USA

Mechanical/Metallurgy

Bonfiglioli Riduttori	Italy
Comau	Italy/Romania
Fanuc Robotics	Italy
Fliegl	Germany
Honeywell Garrett	Italy/Romania
IMA Industries	Italy
KBA Konig&Bauer	Germany
Marchesini Group	Italy
Otis	Italy
Rodo-ketten	Germany
Su-matic	Italy
Thyssenkrupp	Brazil/China
Vesuvius	Germany

Plastic Industry

Lavel Gomma	Italy
Schwartz Gmbh	Germany
Trelleborg	Great Britain/China
Vision Extrusion	Canada

Administrative/Public/Army

US Army / Airforce / Navy	USA
A.O.U. Ospedali Riuniti Di Trieste	Italy
GOZ Obukhov State Plant	Russia
Guardia di Finanza	Italy
National Institutes of STDs	USA
NHS National Services Scotland	Great Britain

Textile Industry/Clothing Industry

Cotton Republic	Mexico
Giorgio Armani Operations	Italy
Jeans Knit PVT Ltd	India
Max Mara Group	Italy
Valentino	Italy



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