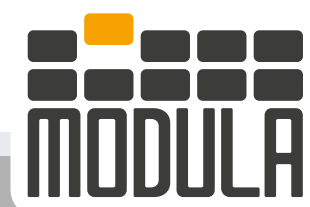




Modula SINTES1

Think Vertical, Think Modula



modula.com

Recover space and increase productivity

A small investment for a big solution!

The Sintes1 automated vertical lift module optimises the use of available space, even when this is limited. It is characterised by a modern, elegant design, with external panels in plastic-coated steel, all created on a technologically advanced production line.

Before Modula



Floor space recovery

After



up to **90%**



1. RECOVER SPACE



2. INCREASE SECURITY



3. SAVE TIME



4. IMPROVE EFFICIENCY

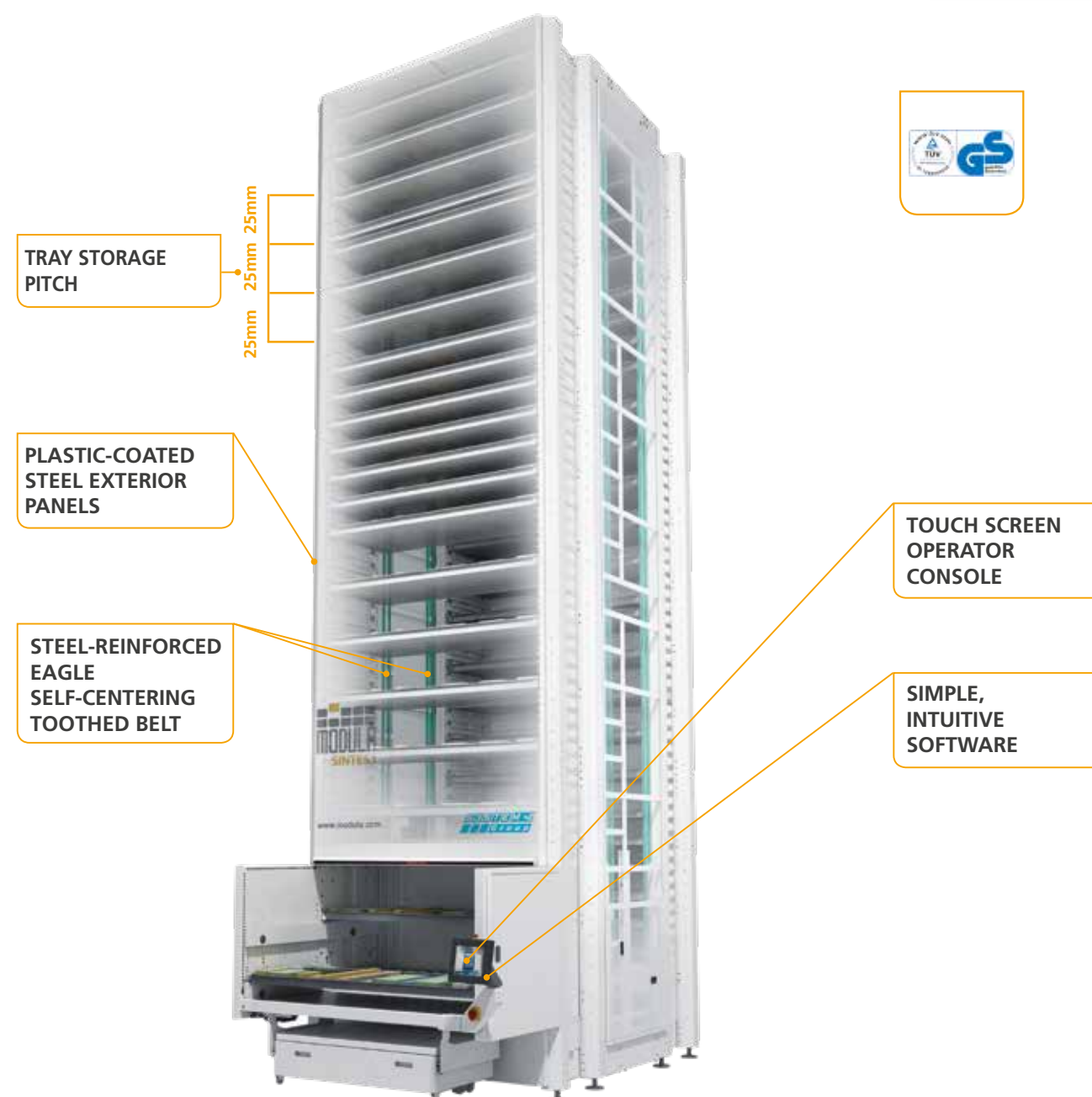


5. REDUCE RISKS



6. BOOST INVENTORY MANAGEMENT

THROUGHPUT OF UP TO 140 TRAYS/HOUR



Technical features

Unit heights:
from 2,600 mm to 7,100 mm
Unit height increment:
100 mm
Tray storage pitch:
25 mm
Tray widths:
1,300 mm and 1,700 mm
Tray depths:
654 mm
Net tray payload:
200 kg
Total net payload:
25,000 kg
Total gross payload:
30,000 kg

Throughput:
up to 140 trays/hour
Operator interface:
Copilot Console with 10.4" touch screen
Number of bays:
up to 2, floor level only
Types of bay:
internal or external with single or dual delivery level
Minimal energy consumption:
1.5 kW vertical axis motor
Automatic weight check on tray return
Dynamic tray storage height
Steel reinforced toothed belt transmission
Elevator guide system with 4 Vulkolan rollers per side

Our ADVANTAGES

Internal or external, single or dual delivery bays

Modula offers 4 different bay configurations.

Internal bays are the ideal solution when space is at a premium.

The external bay makes the operator's work easier, even when using mechanical aids such as hoists and manipulators, improving the ergonomics of the work station.

A single delivery level is the best solution when the machine will only be accessed sporadically, or when the operator picking time is very short.

Dual delivery is the ideal configuration for a fast-paced picking operation, as it increases productivity.

SINGLE INTERNAL DELIVERY



SINGLE EXTERNAL DELIVERY



DUAL INTERNAL DELIVERY



DUAL EXTERNAL DELIVERY



Versatility

Modula Sintes1 is the ideal automated storage system for goods and objects of any type. From a small workshop to a large manufacturing plant, the versatility of this system can meet all requirements, providing a quick and easy way to improve efficiency and performance.



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. A perfect complement to the Modula Lift, it has been designed to easily interface with all types of ERP system.



Operator safety

All Modula vertical units are equipped with physical and optical safety barriers to make the work station 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 within various departments of the same company, to fulfil different requirements.

Modula units can be used to store components for production or service, products or consumer goods for distribution or sale, tooling, 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 pick-

ing, while improving inventory traceability and availability, as well as 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's ERP. With Modula software, you can manage registry data of materials and users, production orders, stock levels, as well as carry out inventories and generate dedicated analyses and reports.

Pharmaceuticals and cosmetics



Labels



Integration with anthropomorphic robots



Modula Put-to-Light systems connected to WMS



Small parts and hardware



Bottles and vials



Can be integrated with visual aids



Integration with belt conveyors and rollerways



Mechanical instruments



Machine tools



Insulated machines for outdoor installation



Machines equipped with fire protection systems



Options



Magnetic badge reader



EKS Reader



RFID reader



Alphanumeric bar



LED bar



Put-to-Light system



1D or 2D barcode reader



ESD protection system



Label printer



Counting scale



Automatic door



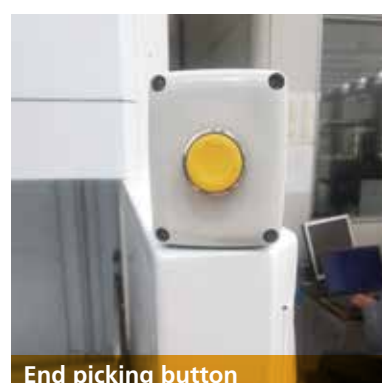
Weight distribution plates



Trolley



Picking cart



End picking button



External bay LED lighting



Tray accessories



Modula Green

Our
models

SINTES1.3



Model	Tray width (mm)	Tray depth (mm)	Tray wall height (mm)	Net capacity per tray (kg)	Unit footprint with INTERNAL bay (W x D mm)	Unit footprint with EXTERNAL bay (W x D mm)
SINTES1.3	1,300	654	31-56	200	1.650x2.376	1.650x3.101

SINTES1.7



Model	Tray width (mm)	Tray depth (mm)	Tray wall height (mm)	Net capacity per tray (kg)	Unit footprint with INTERNAL bay (W x D mm)	Unit footprint with EXTERNAL bay (W x D mm)
SINTES1.7	1,700	654	31-56	200	2.050x2.376	2.050x3.101

Our
references

BEVERAGE

AKIJ FOOD AND BEVERAGE
BODEGAS JOSE ESTEVEZ
COCA COLA
CONTRI SPUMANTI
GINESTET
MOTHER PARKERS
NATURAL WATERS OF VITI
NESTLE WATERS
PEPSICO
SPENDRUPS
SUNTORY

Bangladesh
Spain
Belgium, USA
Italy
France
USA
Fiji
UK
USA, Australia, UK, Germany, Brazil
Sweden
Mexico

MECHANICAL
METALLURGICAL

ALSTOM TRANSPORT INDIA
BIESSE
BONFIGLIOLI RIDUTTORI
SATURN FASTENERS

India
Italy, USA, Malaysia
Italy, India, USA, China
USA



AUTOMOTIVE

AUDI
BMW
BREMBO
BRIDGESTONE CANADA
CNH INDUSTRIAL
CONTINENTAL
FCA
FERRARI
TRELLEBORG
GOODYEAR
HARLEY DAVIDSON
JAGUAR
MASERATI
MICHELIN
PEUGEOT-CITROEN
PORSCH
RENAULT
SUBARU
VOLKSWAGEN

Mexico, Belgium, Spain
China, Belgium, Germany, Mexico, Canada, UK
Italy, Poland, China, Czech Rep., USA
Canada
Spain, Italy, Belgium, Netherlands
USA, Germany
Brazil, Poland, Italy, Serbia
Italy
UK
Germany, Canada
USA
Belgium
Italy
France
France
Germany
France
USA, Canada
Germany, China, Spain, Argentina

CHEMICAL
PHARMACEUTICAL
BIOMEDICAL

GLAXO SMITH KLINE
INNOMED
INTAS PHARMACEUTICALS
JOHNSON & JOHNSON
ORFIT

Italy, UK, USA
USA
India
USA, Brazil
Belgium

ELECTRICAL
ELECTRONIC

BHARAT ELECTRONICS
EATON CONTROLS
PT INFINEON
SIEMENS
WURTH

India
Mexico
Singapore
France, India, Mexico
Germany, Slovakia

HYDRAULIC
PNEUMATIC

BOSCH REXROTH
WALVOIL
GUNTER TATA HUOTECHNIKA
MECANIZADOS ALCOY

Mexico, Germany, USA, Italy
Italy, USA
Hungary
Spain

AGRICULTURAL
MACHINERY

CNH INDUSTRIAL
KOMATSU
JOHN DEERE
RANGER INDUSTRIES

Brazil, Italy, Spain, Belgium
Italy
USA
USA



TRANSPORT

METROPOLITAN TRANSPORTATION AUTHORITY
NEW YORK CITY TRANSIT AUTHORITY
SNCF
TORONTO TRANSIT COMMISSION

USA
USA
France
Canada



PLASTIC



FOOD



AERONAUTIC



CERAMICS



CLOTHING



COSMETICS



OPTICAL



JEWELLERY

ENERGY
OIL&GAS

PAPER



ARMY



SUPERMARKET



FURNITURE



PACKAGING

CONTITECH CHINA RUBBER & PLASTICS TECHNOLOGY China
MILACRON PLASTIC TECH USA
KLINTPACK Thailand
WESTLAND GUMMIWERKE Germany

CHOBANI USA
GRISSIN BON Italy
OISHI - LIWAYWAY CHINA China

BOMBARDIER Germany
CHINA ACADEMY OF SPACE TECHNOLOGY China
HINDUSTAN AERONAUTICS India
LOCKHEED MARTIN CORP. USA
LUFTHANSA China

FLORIM Italy, USA
PORCELANOSA MEXICO Mexico
PORCELANOSA NEW YORK USA
ROCA SANITARIO Spain
SACMI Italy, Spain, Mexico

GIORGIO ARMANI Italy
HERMES Italy
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PRADA Italy
VALENTINO Italy

AIR-VAL INTERNATIONAL Spain
IBERCHEM AROMAS Spain
L'OREAL China
MARIA GALLAND Germany
RUSI COSMETIC Germany

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OTTAVIANI INTERNATIONAL Italy
PERLUNICA Italy

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WOOLWORTHS SUPERMARKET Australia

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

AETNA GROUP USA
POPLAST Italy
SOFLOG France
TETRA PAK Italy

Modula Worldwide presence



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

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