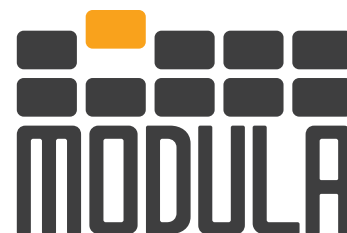# **Modula** PALLET

Think Vertical, Think Modula

OUR PRODUCTS ARE
★ **MADE** IN **USA** ★
From US & Imported Components

ARE GROUND-LEVEL PALLETS TAKING UP VALUABLE SPACE IN YOUR WAREHOUSE?

MODULA PALLET
allows you to utilize the **ENTIRE HEIGHT** of your warehouse, freeing up groundspace for more efficient operations.

ARE YOU LOOKING FOR AN ERGONOMIC AND SAFE WAY TO STORE YOUR PALLETS?

MODULA PALLET
enables you to handle pallets directly from the ground **WITHOUT THE NEED FOR FORKLIFTS,** enhancing safety and reducing risks.

DO YOU NEED TO CREATE AN EFFICIENT STORAGE BUFFER FOR INCOMING AND OUTGOING PALLETS?
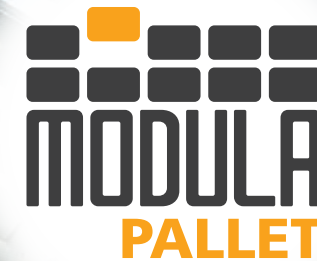
MODULA PALLET
provides an **EFFICIENT BUFFER STORAGE AREA** for your incoming and outgoing pallets.

Whether you have a few or hundreds of pallets, if you need a storage system that is safe, ergonomic, quick to install, **and** easy to use, **Modula Pallet is the automated storage solution for you.**

THE **NEW SOLUTION** TO **STORE PALLETS**

SAFE   **EFFICIENT**   **ERGONOMIC**

SIMPLIFY YOUR PALLET HANDLING

Modula Pallet is an innovative warehouse solution designed **to safely handle euro pallets (1,200 mm × 800 mm) directly from the ground, eliminating the need for forklifts.**

The loading bay measures the weight and height of the incoming pallet, **to identify the most suitable location within the unit and ensure loads are always balanced.**

0%

NO WASTED SPACE

LOAD ALWAYS BALANCED

TECHNICAL CHARACTERISTICS	
HEIGHT From 14'17" (4,300 mm) to 52'10" (16,100 mm)	**MAXIMUM PRODUCT HEIGHT** 47.2"/1,200 mm (Product) + 5.67"/144 mm (Pallet): Tot 52.87" (1,344 mm)
INCREASE IN HEIGHT 7.87" (200 mm)	**STORABLE MATERIAL** Both pallets and bulk material
TRAY ADJUSTABILITY 0.98" (25 mm)	**OPERATOR INTERFACE** 10.4'' touch screen industrial console (Copilot)
TRAY WIDTH 57.48" (1,460 mm), 73.2" (1,860 mm), 120.47" (3,060 mm), 160" (4,060 mm)	**TYPES OF BAY** 1 pallet bay on the ground + 2 standard bays (also at a height)
TRAY DEPTH 49" (1,257 mm)	• Low Energy Consumption • Automatic weight and measurements control of the incoming pallet • Dynamic loads allocation based on the heights • Supporting structure in galvanized steel • Transmission via Eagle steel reinforced toothed belt • Lift drive system with 6 HDPE wheels per side • Management of trays with different capacities
TOTAL GROSS CAPACITY From 77,200 lbs to 200,000 lbs" (From 35,000 kg to 90,000 kg)	

GROUND-LEVEL HANDLING

By **keeping all pallet movements at ground level,** this system reduces the risks associated with lifting and storing pallets at height.

The load is transported on the ground and then efficiently loaded into the lifting section of the storage system. **Operators can handle pallets using simple manual or electric pallet trucks.**

• **WITHOUT ANY SAFETY RISKS**

• **WITHOUT WORKING AT HEIGHT**

• **WITHOUT FORKLIFT DRIVERS**

LOADING FROM THE GROUND

100% SAFE

PIECE PICKING

Modula Pallet allows operators to **access goods directly from the side window** of the loading bay **without retrieving the entire pallet.**

This feature **facilitates piece picking,** enabling quick and precise access to individual items.

MIXED STORAGE

Modula Pallet offers a versatile solution for warehouses that handle a wide variety of items.

With the integration of the **dual opposite bay** it supports **mixed-mode storage** by dedicating **one bay for pallet storage** and the other for **de-palletized or single items** like bulk materials, packaged goods, and boxes.
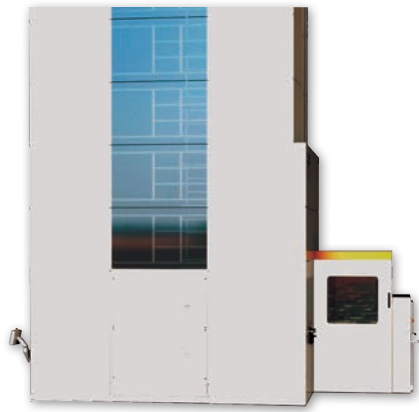This setup optimizes storage space, making it easy to manage both pallets and single items in one system.

EASY INTEGRATION THANKS TO MODULA WMS

Modula Pallet is **designed to seamlessly integrate with other systems such as AMRs, AGVs, and roller conveyors** through the **Modula WMS software.**
This setup allows for fully automated management of the entire process, enhancing efficiency and reducing the need for manual intervention.

A SINGLE LOADING BAY FOR MULTIPLE UNITS

Install **multiple Modula Pallet units side by side and use a single loading bay.** An internal shuttle moves loads between units, allowing you to **pick and place pallets from one central point.**
This setup optimizes storage efficiency and simplifies pallet management.
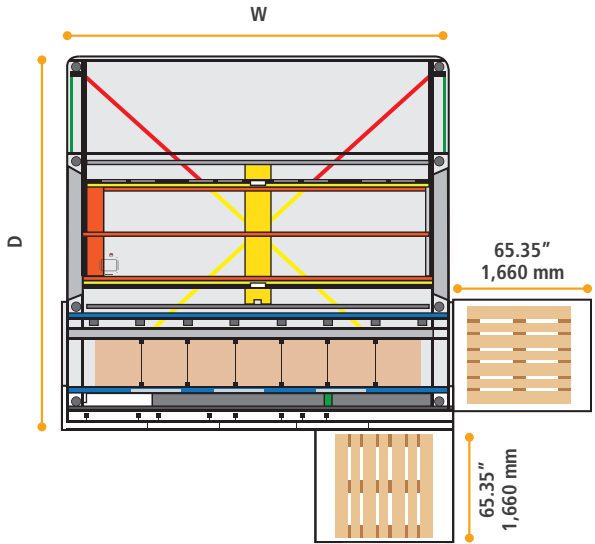
PERFECT BUFFER FOR GOODS

Modula Pallet is the perfect **temporary storage solution for receiving and shipping areas.**
It provides dedicated space for both incoming and outgoing goods, helping to **streamline operations and maintain an efficient workflow.**

PALLET MODELS

65.35"
1,660 mm

65.35"
1,660 mm

Model	Tray width (inch/mm)	Tray depth (inch/mm)	Net capacity per tray (lbs/kg)	Maximum number of pallets per tray	Unit footprint without lift (inch/mm)
ME PALLET	57.48/1,460	49/1,257	From 551/250 to 2,200/990	1	2,038 x 4,460
MA PALLET	73.23/1,860	49/1,257	From 551/250 to 2,200/990	2	2,438 x 4,460
MX PALLET	120.47/3,060	49/1,257	From 551/250 to 2,200/990	3	3,638 x 4,460
ML PALLET	159.84/4,060	49/1,257	From 551/250 to 2,200/990	4	4,638 x 4,460

ACCESSORIES

RFID Reader

Barcode reader

EKS reader

Piece counting scale

Badge reader

Label printer

Sprinkler arrangement

MODULA WORLD

NORWAY
SWEDEN
CZECH REPUBLIC
POLAND
GERMANY
FINLAND
DENMARK
BALTIC COUNTRIES
BENELUX
IRELAND
BIELORUSSIA
UK
FRANCE
SLOVAKIA
HUNGARY
ITALY
ROMANIA
PORTUGAL
SPAIN
BULGARIA
GREECE
TURKEY
SLOVENIA
SERBIA
CROATIA
ISRAEL
MONTENEGRO
PAKISTAN
CHINA
SOUTH KOREA
JAPAN
BANGLADESH
TAIWAN
THAILAND
VIETNAM
INDIA
PHILIPPINES
MALAYSIA
SINGAPORE
INDONESIA
SOUTH AFRICA
AUSTRALIA

CANADA
USA-ME
USA-OH
MEXICO
DOMINICAN REPUBLIC
BELIZE
HONDURAS
GUATEMALA
COLOMBIA
EL SALVADOR
ECUADOR
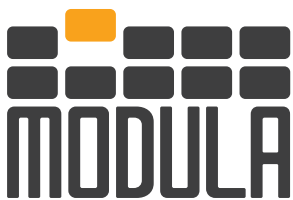NICARAGUA
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BRAZIL
PARAGUAY
ARGENTINA
URUGUAY
CHILE

Modula is present in 5 continents with dealers and branches in more than 50 countries

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