

time
space
money

SAVE



Temesist Industrial®
Radio Shuttle Pallet
Smart Storage System

Our story

For over thirty years Temesist® has remained as one of the largest and most reputable manufacturers of storage and semi-automatic rack systems in Turkey specializing in designing, manufacturing and marketing industrial racking products. From its foundation up to the present Temesist® produces various kinds of high quality and economic rack systems using high level technologies, which let to be in line with the latest international standards in this sector. Our head office is located in Istanbul, there are domestic branches in Adana and Bilecik.

There are representation offices in Algeria, Iraq, Georgia, Kazakhstan, Jordan, Azerbaijan, Uzbekistan, UAE, and Cyprus.

Temesist® has an international quality certificate ISO and produces products according to EN15512 and RMI standards. Temesist® exports its high quality products to over 30 countries including Germany, Croatia, Bulgaria, Azerbaijan, Kazakhstan, UAE, Senegal, Sudan, Ukraine, Iraq, Algeria, Georgia, Uzbekistan. Our working principle is based on the customer satisfaction and reliance. Temesist® is continuously involved in research and development projects.

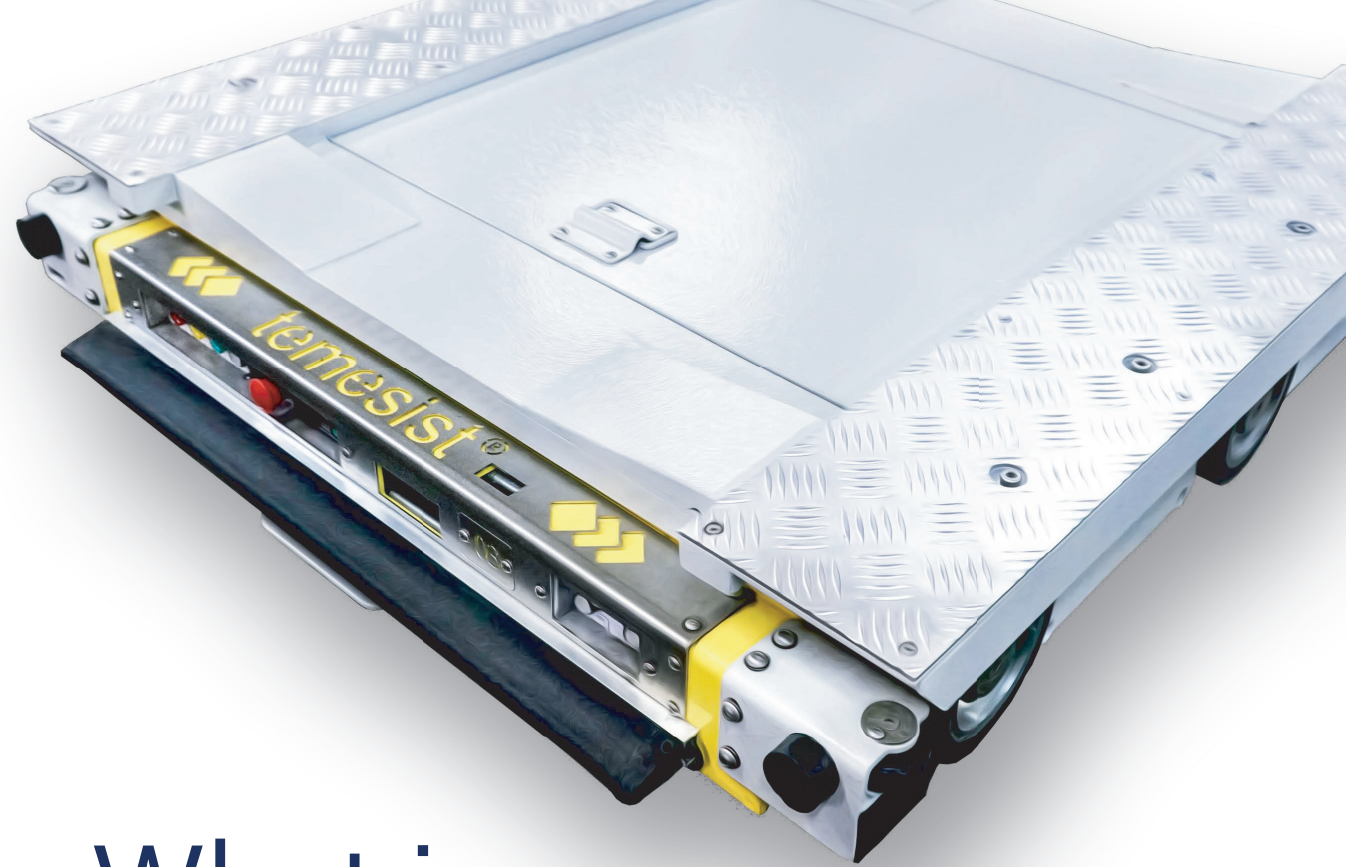
Temesist® Shuttle Pallet is Semi-automated storage solution for lane based storage, which combined Drive-in, Push back, and Live-Storage systems in one.

The Shuttle Pallet is remotely controlled by user and moved from one storage lane to another by forklift operator.

It moves goods independently through the lane manually or automatically optimizing storage, loading, and unloading stages.

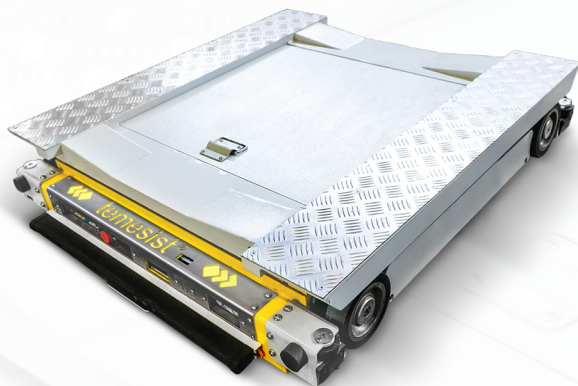
Temesist® Shuttle Pallet maximizes warehouse space eliminating aisles between pallets with a greater turnover rate.

It provides high density storage and increases operational efficiency.



What is Temesist® Shuttle Pallet ?

TEMESİST 800 - 1.0 T

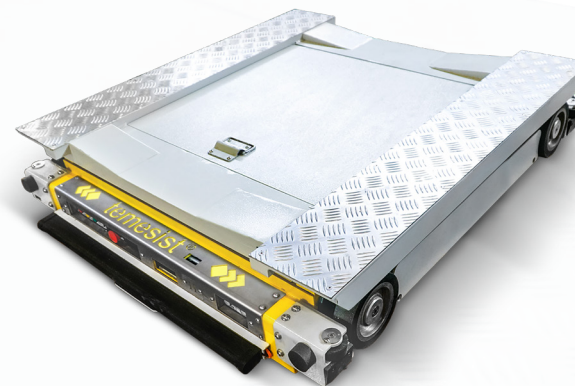


Length	: 880mm
Width	: 955mm
Height	: 175mm
Device weight	: 220kg
Device Noise Level	: ≤80db
Pallet Lift Height	: 40mm
Speed (Loaded)	: 45m/min
Speed (without load)	: 55m/min
Lift Time	: 4 sec
Release Time	: 4 sec
Number of Wheels	: 4 pcs

Stored Pallet Dimensions

Depth x Width	: 800x1200mm
Load Weight	: 1000kg
Pallet Quality	:
Europalet Quality Standard	

TEMESİST 800 - 1.5 T



Length	: 950mm
Width	: 975mm
Height	: 175mm
Device weight	: 280kg
Device Noise Level	: ≤80db
Pallet Lift Height	: 40mm
Speed (Loaded)	: 60m/min
Speed (without load)	: 70m/min
Lift Time	: 4 sec
Release Time	: 4 sec
Number of Wheels	: 4 pcs

Stored Pallet Dimensions

Depth x Width	: 800x1200mm
Load Weight	: 1500kg
Pallet Quality	:
Europalet Quality Standard	

TEMESİST 1000 - 1.0 T

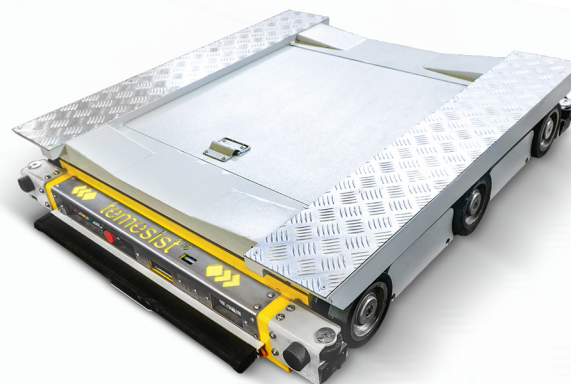


Length	: 1080mm
Width	: 955mm
Height	: 175mm
Device weight	: 240kg
Device Noise Level	: ≤80db
Pallet Lift Height	: 40mm
Speed (Loaded)	: 45m/min
Speed (without load)	: 55m/min
Lift Time	: 4 sec
Release Time	: 4 sec
Number of Wheels	: 4 pcs

Stored Pallet Dimensions

Depth x Width	: 800x1200mm/1000x1200mm
Load Weight	: 1500kg
Pallet Quality	:
	Europalet Quality Standard

TEMESİST 1000 - 1.5 T

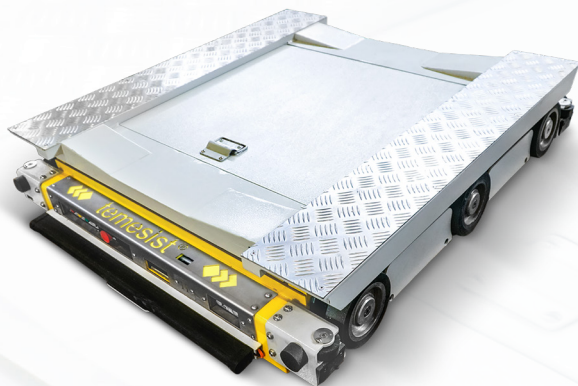


Length	: 1150mm
Width	: 975mm
Height	: 175mm
Device weight	: 320kg
Device Noise Level	: ≤80db
Pallet Lift Height	: 40mm
Speed (Loaded)	: 60m/min
Speed (without load)	: 70m/min
Lift Time	: 4 sec
Release Time	: 4 sec
Number of Wheels	: 6 pcs

Stored Pallet Dimensions

Depth x Width	: 800x1200mm/1000x1200mm
Load Weight	: 1500kg
Pallet Quality	:
	Europalet Quality Standard

TEMESİST 1200 - 1.0 T

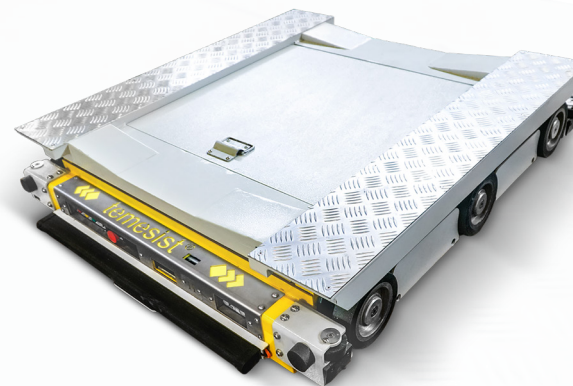


Length	: 1280mm
Width	: 955mm
Height	: 175mm
Device weight	: 260kg
Device Noise Level	: ≤80db
Pallet Lift Height	: 40mm
Speed (Loaded)	: 45m/min
Speed (without load)	: 55m/min
Lift Time	: 4 sec
Release Time	: 4 sec
Number of Wheels	: 4 pcs

Stored Pallet Dimensions

Depth x Width	: 800x1200mm/1000x1200mm/1200x1200mm
Load Weight	: 1000kg
Pallet Quality	: Europalet Quality Standard

TEMESİST 1200 - 1.5 T

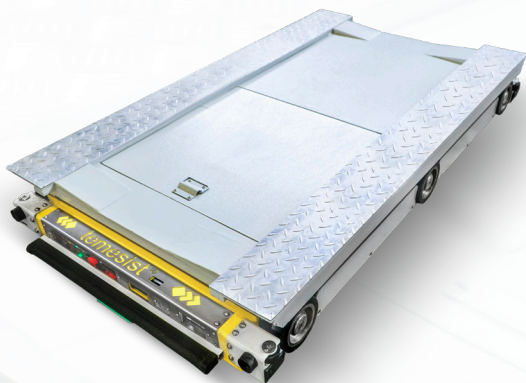


Length	: 1350mm
Width	: 975mm
Height	: 175mm
Device weight	: 280kg
Device Noise Level	: ≤80db
Pallet Lift Height	: 40mm
Speed (Loaded)	: 60m/min
Speed (without load)	: 70m/min
Lift Time	: 4 sec
Release Time	: 4 sec
Number of Wheels	: 6 pcs

Stored Pallet Dimensions

Depth x Width	: 800x1200mm/1000x1200mm/1200x1200mm
Load Weight	: 1500kg
Pallet Quality	: Europalet Quality Standard

TEMESİST 1600 - 1.0 T

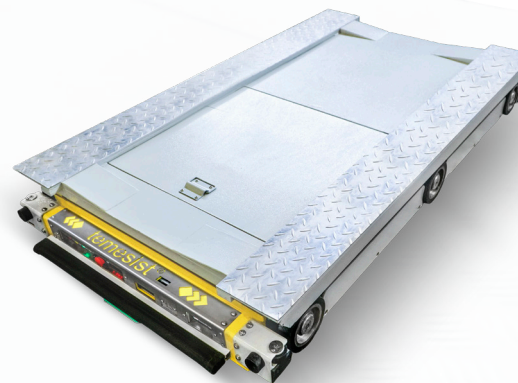


Length	: 1680mm
Width	: 955mm
Height	: 175mm
Device weight	: 300kg
Device Noise Level	: ≤80db
Pallet Lift Height	: 40mm
Speed (Loaded)	: 45m/min
Speed (without load)	: 55m/min
Lift Time	: 4 sec
Release Time	: 4 sec
Number of Wheels	: 4 pcs

Stored Pallet Dimensions

Depth x Width	: 2*800x1200mm/1000x1200mm/1200x1200mm
Load Weight	: 1000kg
Pallet Quality	:
	Europalet Quality Standard

TEMESİST 1600 - 1.5 T



Length	: 1750mm
Width	: 975mm
Height	: 175mm
Device weight	: 425kg
Device Noise Level	: ≤80db
Pallet Lift Height	: 40mm
Speed (Loaded)	: 45m/min
Speed (without load)	: 60m/min
Lift Time	: 4 sec
Release Time	: 4 sec
Number of Wheels	: 6 pcs

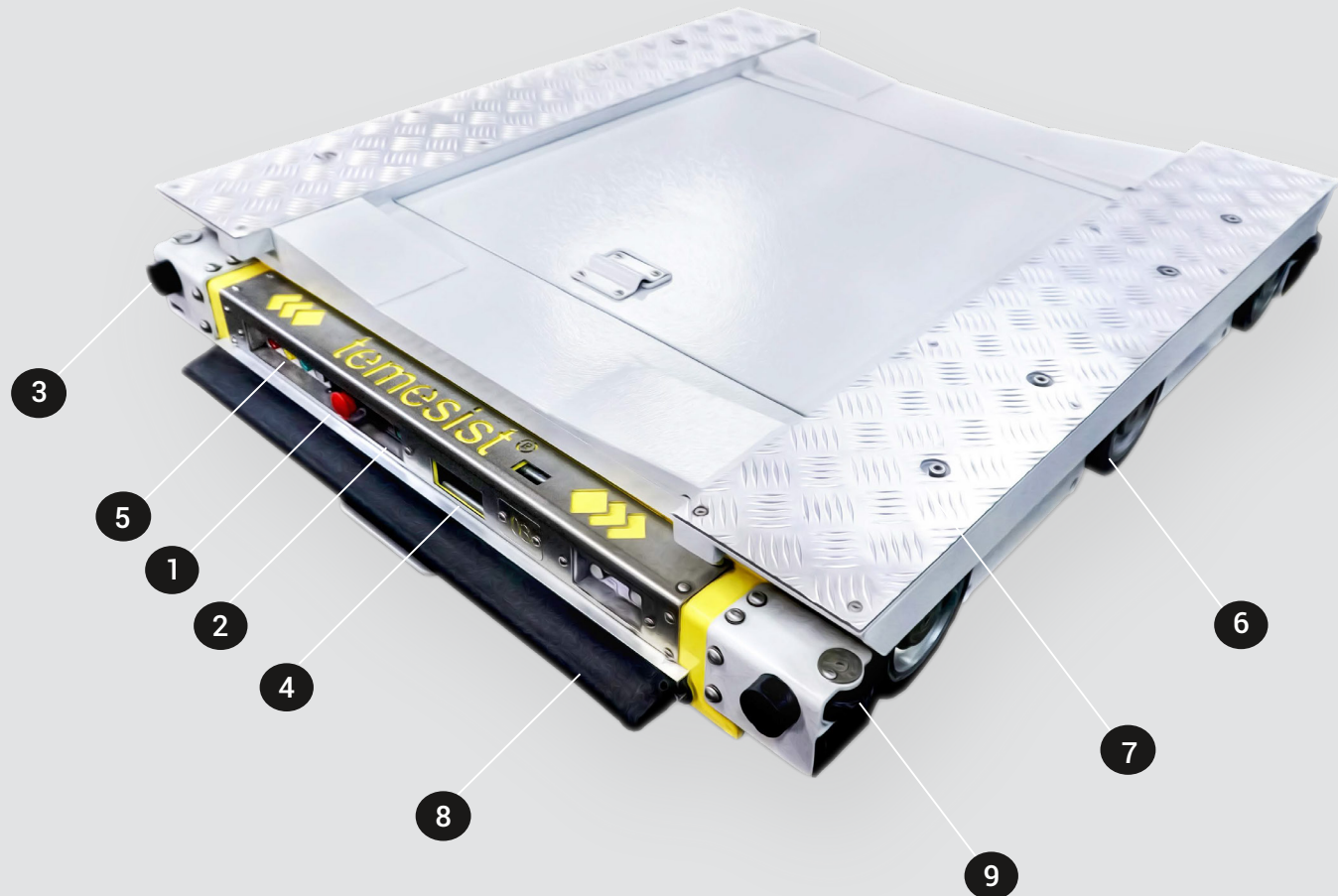
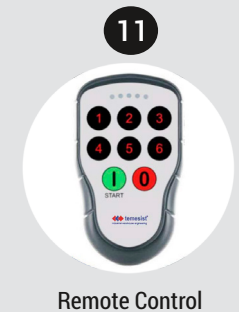
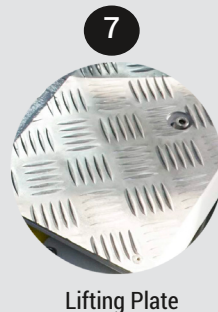
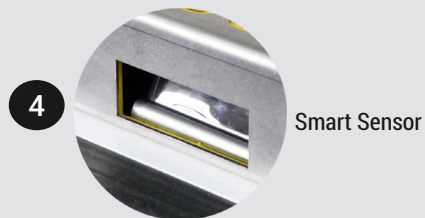
Stored Pallet Dimensions

Depth x Width	: 2*800x1200mm/1000x1200mm/1200x1200mm
Load Weight	: 1500kg
Pallet Quality	:
	Europalet Quality Standard

Advantages

- Minimum space Maximum Storage capacity
- It can work either as LIFO or as FIFO storing system, which is efficient alternative to Flow Racking Pushback, and Drive-in Racking systems
- No risk of damage to the handling equipment or racks
- Removes the need for specialist forklift trucks
- Reduce number of forklifts and forklift operators, and reduce operating cost
- Working at -30°C / $+50^{\circ}\text{C}$ temperature environment at the same time
- Is able to store pallets with 800mm, 1000mm, 1100mm depth by the same Shuttle machine
- High operating Speed
- Maximum carrying capacity 1500kg





DEVICE SENSORS

Photocell Digital Distance Sensor

- Back drive stop sensor
- Back Pallet stop sensor
- Forward Pallet stop sensor
- Back Pallet deceleration sensor

Laser Analogue Distance Sensor

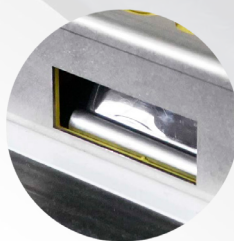
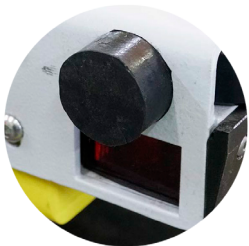
- Forward Pallet deceleration sensor
- Forward Drive deceleration sensor

Inductive Sensor

- Pallet Up Sensor
- Pallet Down Sensor

Safety Sensor

- Forward Safety Sensor
- Back Safety Sensor



REMOTE CONTROL

RF REMOTE CONTROL- allows operator to keep an eye on Shuttle device and be informed, which mode the device is currently running, by wireless communicating with the device.

Specifications

Type	: Radio Controlled
Keypad	: 8 soft buttons
Protection Class	: IP67
Power Supply	: Battery
Communication	Dist.: 100m(closed area), 500m(open area)

Advantages:

- ✓ Doesn't get dust into the Device
- ✓ Water resistant
- ✓ Unaffected by low temperature, humidity environment

Save Time. Save Space. Save Money.

OPERATIONAL FUNCTIONS

FIFO working mode - pallets moved to end position, storage and retrieval from opposite sides.

Automatically unloads all the pallets in the lane. When Temesist® Shuttle Pallet puts the first pallet it goes automatically for the next pallet. Before positioning next pallet it waits for previous pallet to be cleared from the lane.

LIFO working mode - pallets moved to the home position, storage and retrieval from same side. It's the most common system, where input and output of the pallet is in the same direction.

STACK-IN working mode – Shuttle pallet moves pallets to unloading location

STACK-OUT working mode - Shuttle pallet moves pallets to loading location

IN-OUT working mode – Load/unload a specific number or all pallets in a lane

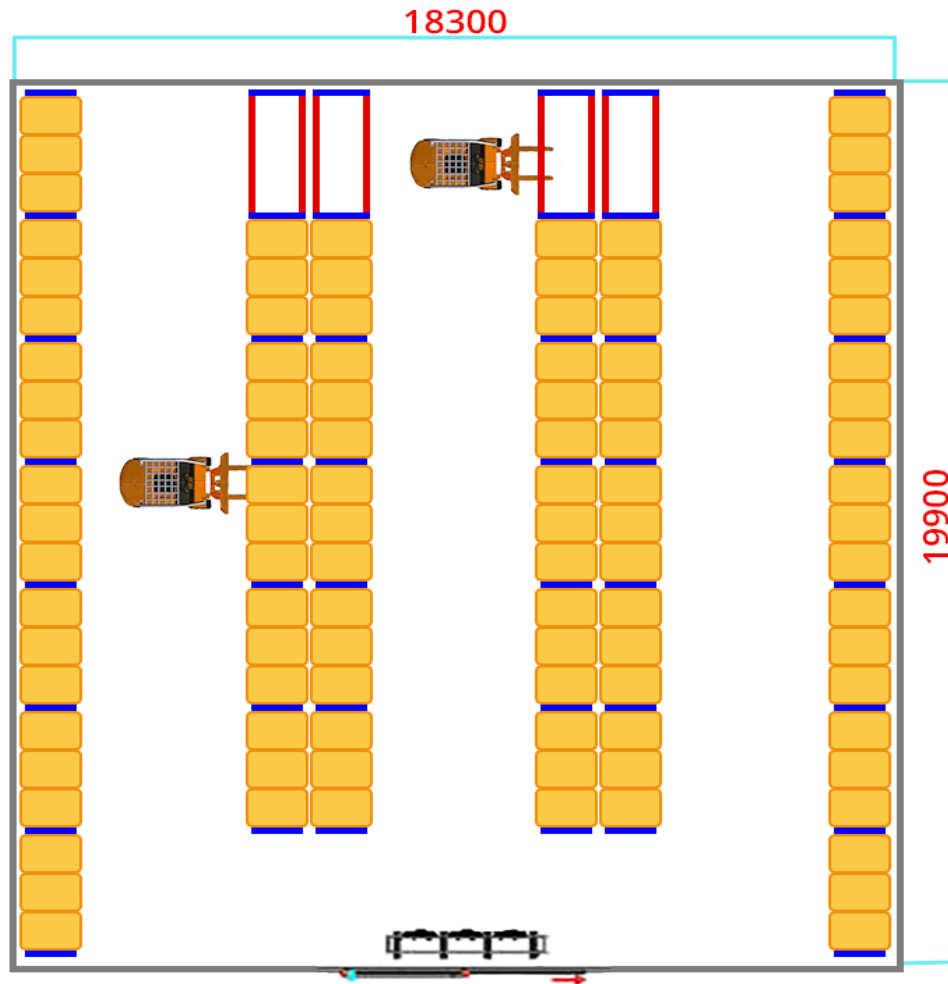


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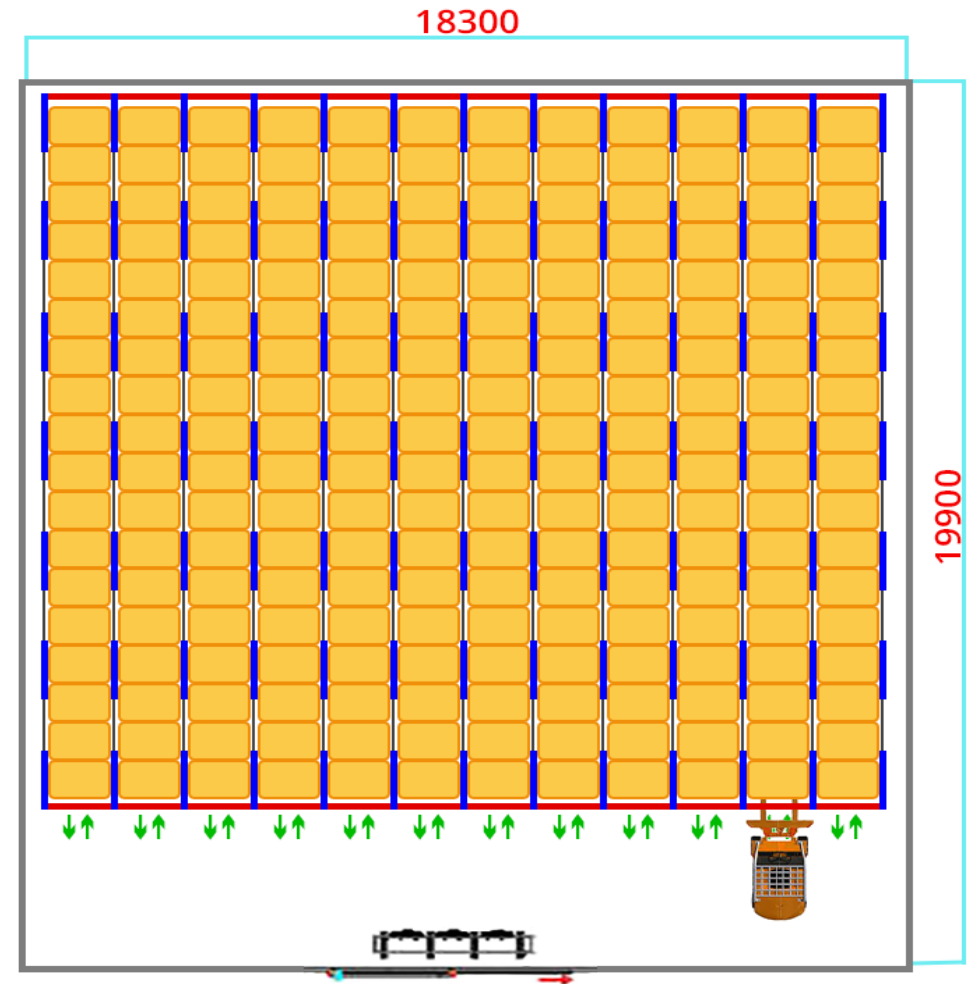
Conventional Pallet Racking

← V.S. →

High Density, Space-Saving Shuttle Pallet Racking



Pallet capacity: 330 pcs



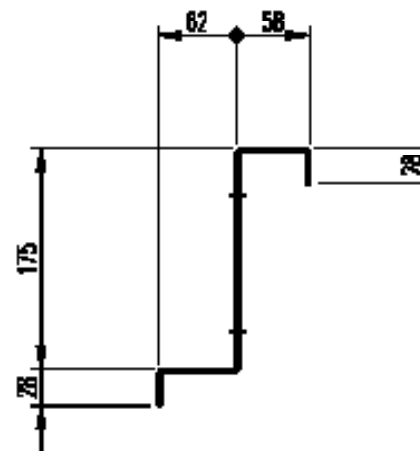
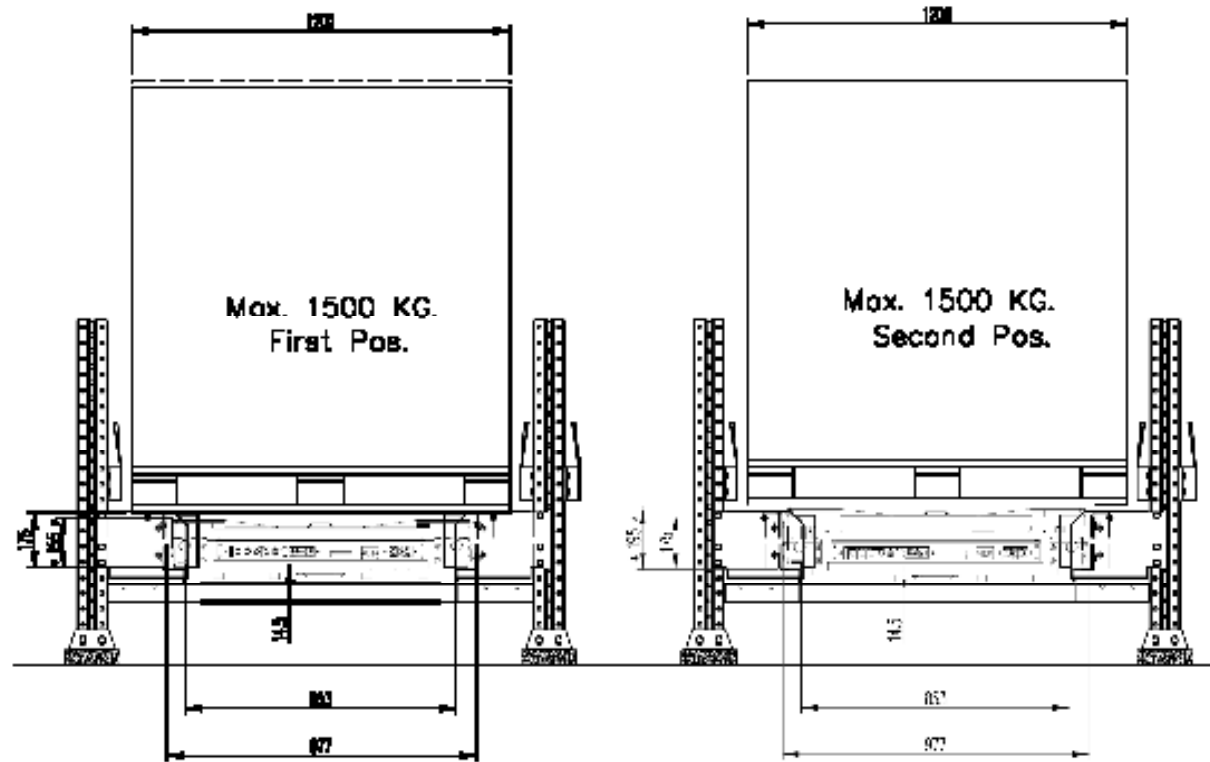
Pallet capacity: 648 pcs

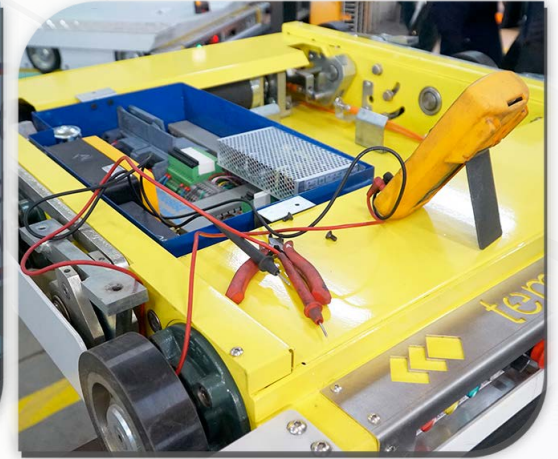
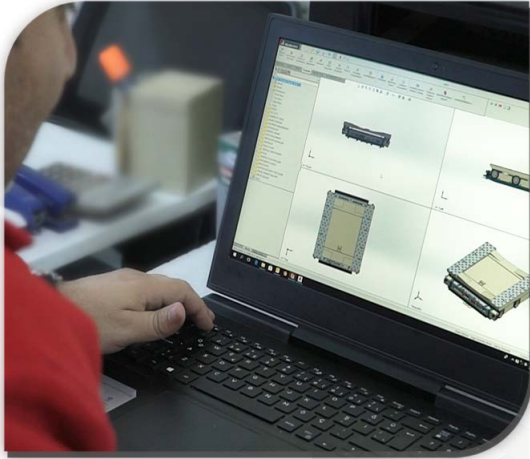
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TECHNICAL FEATURES

	TEMESIST® 800		TEMESIST® 1000		TEMESIST® 1200		TEMESIST® 1600	
	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional
Loading	✓		✓		✓		✓	
Unloading	✓		✓		✓		✓	
Continuous Loading	✓		✓		✓		✓	
Continuous Unloading	✓		✓		✓		✓	
Stacking	✓		✓		✓		✓	
Compacting push	✓		✓		✓		✓	
Compacting pull	✓		✓		✓		✓	
Anti-collision	✓		✓		✓		✓	
Maintenance notices	✓		✓		✓		✓	
80Ah Battery	✓		✓		✓		✓	
120Ah Battery	—	—		✓		✓		✓
High Capacity (150Ah -160Ah)	—	—	—	—		✓		✓
Inventory function (Remote Control)	—	—		✓		✓		✓
Missions counting	—	—		✓		✓		✓
800x1200 pallet management	✓		✓			✓	✓	
1000x1200 pallet management	—	—	✓			✓	✓	
1100x1200 pallet management	—	—	—	—	✓			✓
1200x1200 pallet management					✓			
1600x1200 pallet management	—	—	—	—	—	—	✓	
Increasing load capacity to 2000 kg		✓		✓		✓		✓
Sea transport protection	✓		✓		✓		✓	
Magnet steel plates	✓		✓		✓		✓	
Control with Tablet		✓		✓		✓		✓
Automatic extractor mechanism	✓		✓		✓		✓	
Pallet positioning	✓		✓		✓		✓	
Declination Sensor		✓		✓		✓		✓
Special functions on request		✓		✓		✓		✓

RAIL DETAILS





APPLICATION OF RACKING SYSTEM & SHUTTLE PALLET



Save Time. Save Space. Save Money.

CERTIFICATES



European Conformity Certificate



Turkak



TSEK Quality Certificate



British Quality Certificate

REFERENCES



VitrA®



Save Time. Save Space. Save Money.



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