



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.

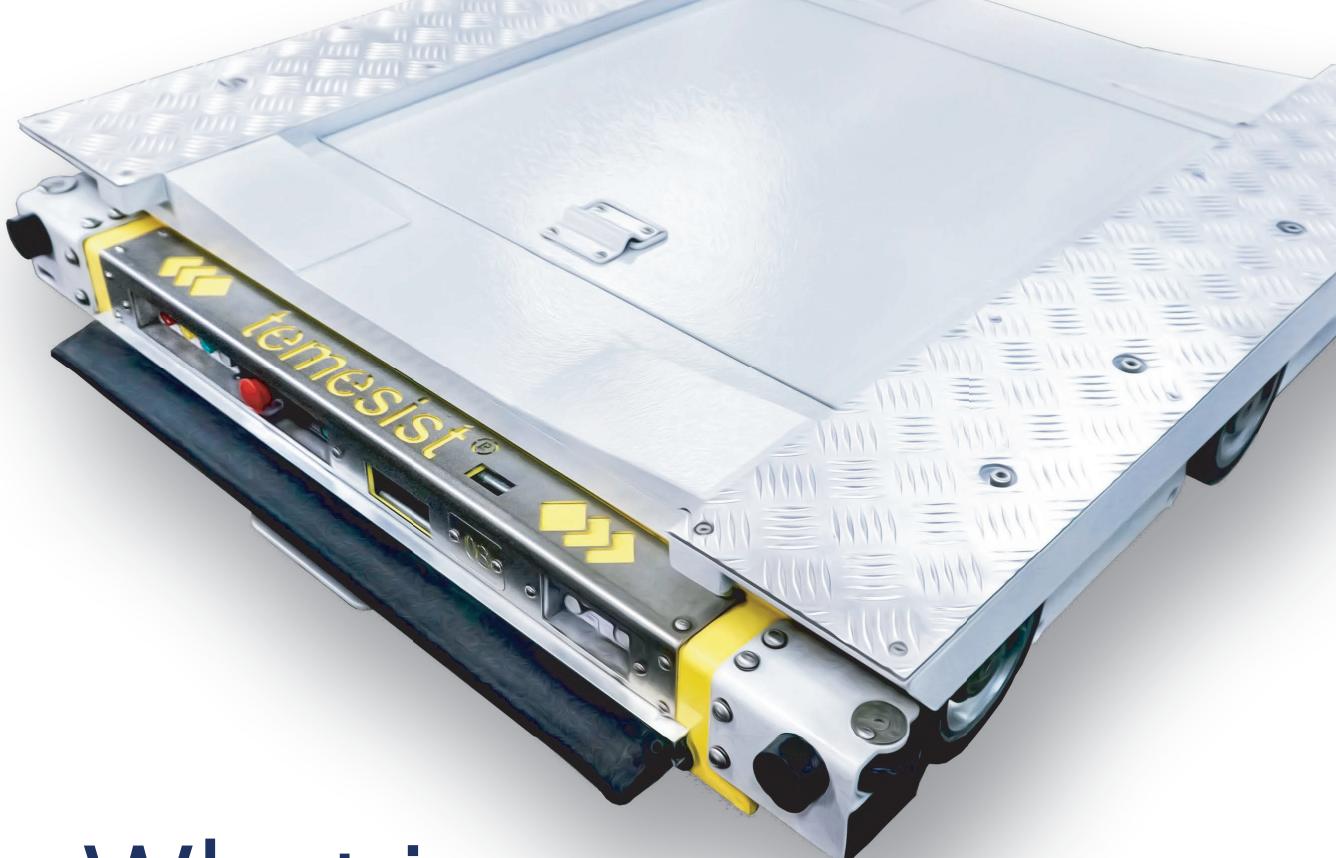
Temesist® Shuttle Pallet is Semi-automated storage solution for lane based storage, which combined Drive-in, Push back, and Live-Storage systems in one.

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

?

Temesist® Radio Shuttle Pallet  
Smart Storage System

## 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°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

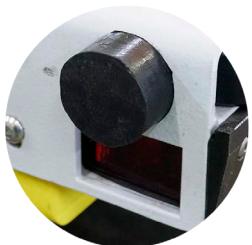
- Forward Pallet deceleration sensor
- Forward Drive deceleration sensor

### 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

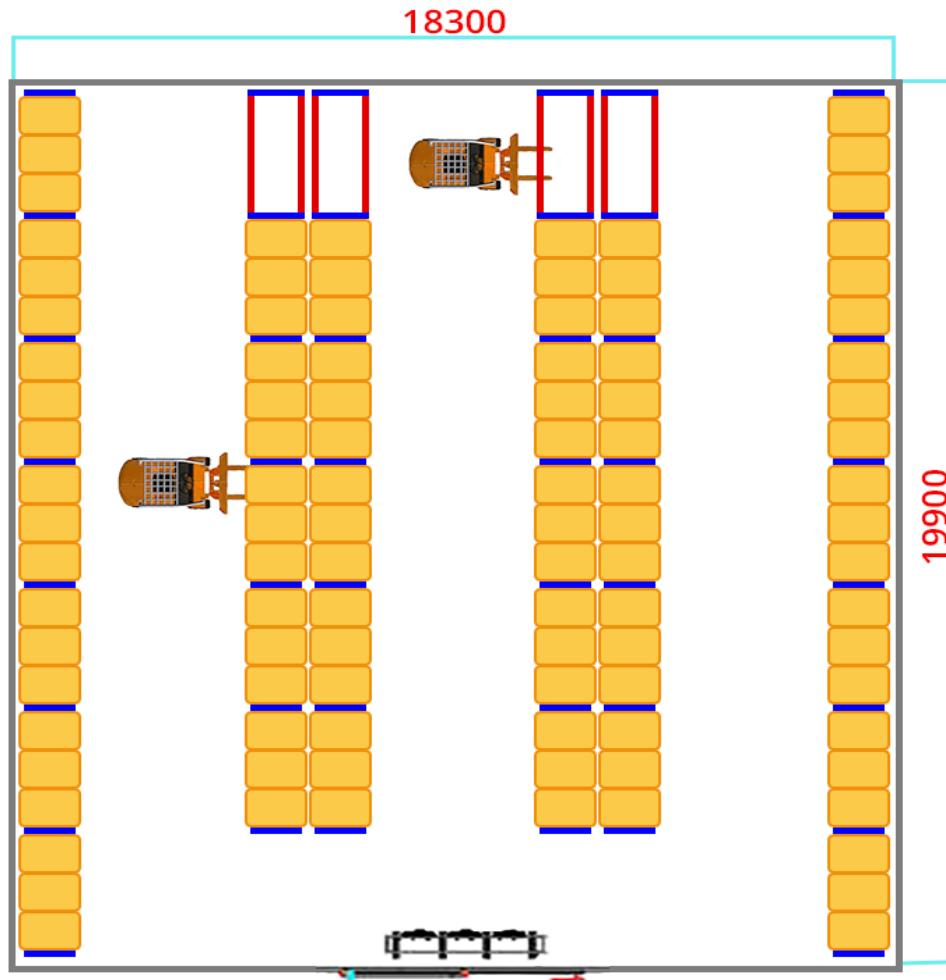


Save Time. Save Space. Save Money.

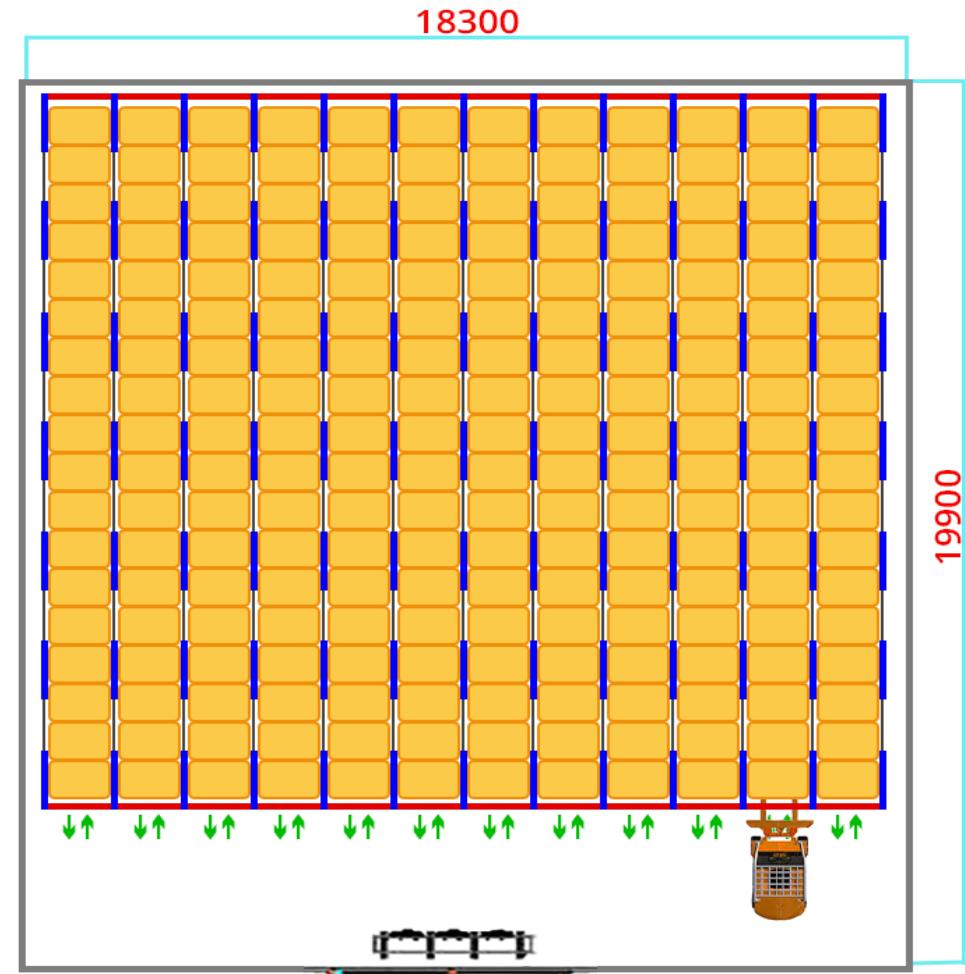
## Conventional Pallet Racking

← V.S. →

## High Density, Space-Saving Shuttle Pallet Racking



Pallet capacity: **330 pcs**



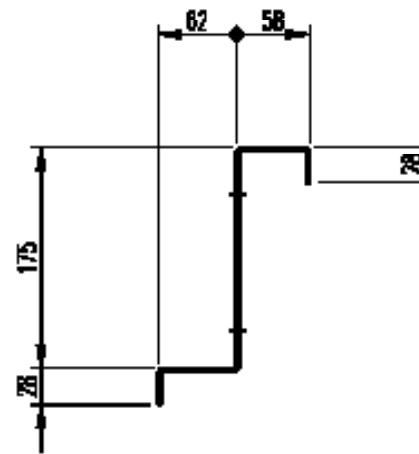
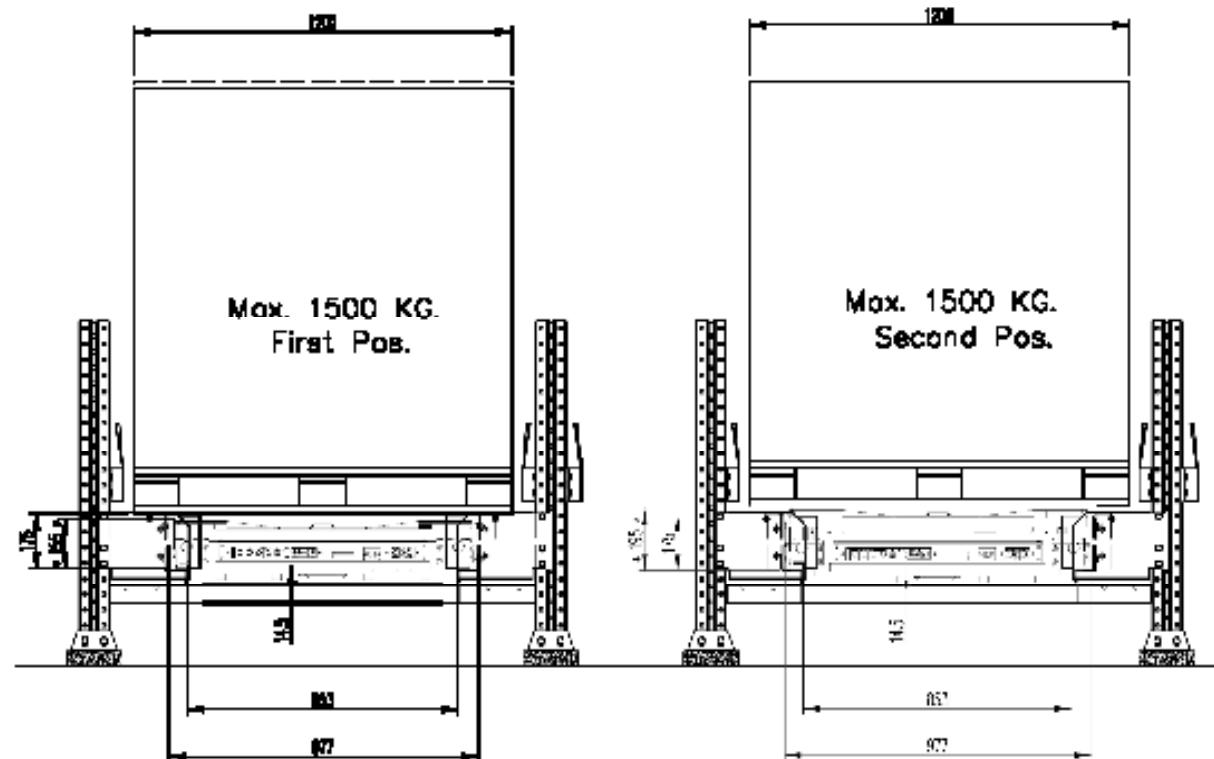
Pallet capacity: **648 pcs**

# TECHNICAL SPECIFICATIONS

# TECHNICAL FEATURES

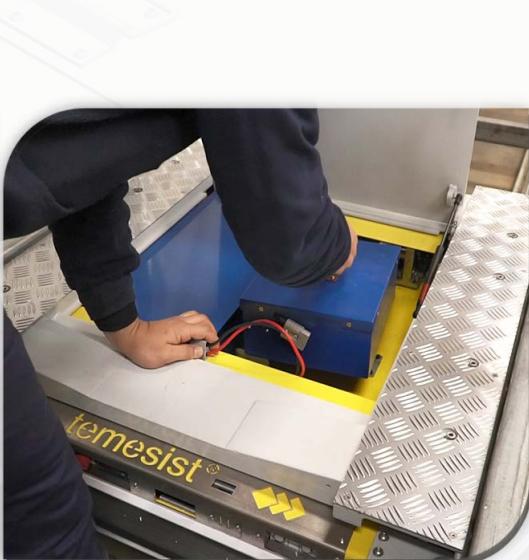
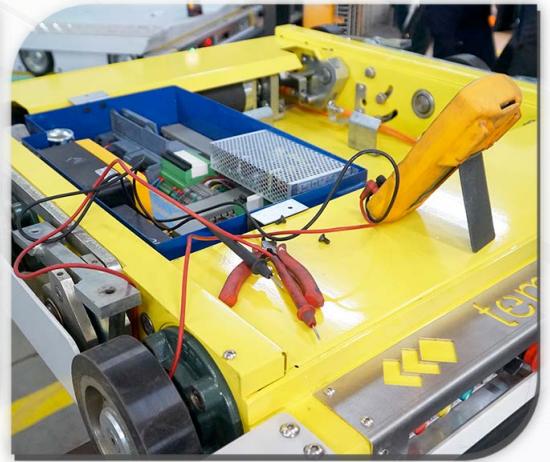
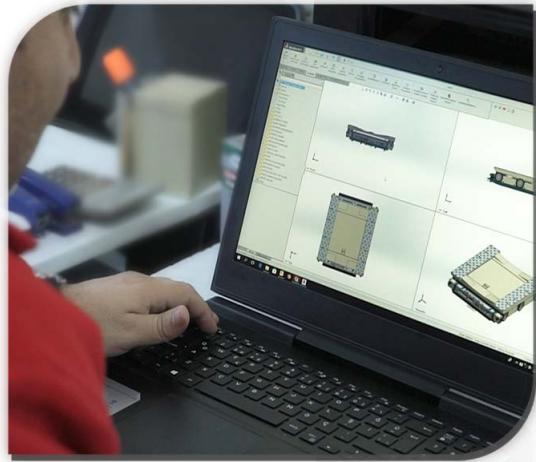
|  | TEMESIST® 800 |          | TEMESIST® 1000 |          | TEMESIST® 1200 |          | TEMESIST® 1600 |          |
|--|---------------|----------|----------------|----------|----------------|----------|----------------|----------|
|  | Standard      | Optional | Standard       | Optional | Standard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

## RAIL DETAILS



Save Time. Save Space. Save Money.





# 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

Paşabahçe

ColaTurka

Coca-Cola

SIRMA®

Eczacıbaşı

Torku

DOĞANAY®



TATLOG



Özgörkey

Gıda Ürünleri San. ve Tic. A.Ş.

TURKUVAZ

ثلوجة شهاته  
Shehata Cold Stores

DEVOLD®  
NORWAY 1853



Save Time. Save Space. Save Money.



Germany Office :

Haibrug Industrie Tecnologie GmbH  
Grafenberger Allee 293  
40237 Düsseldorf

Office :

Ikitelli OSB Keresteciler Sanayi  
Sitesi 15. Sk. 14/A Blok  
Basaksehir / Istanbul / Turkey  
Tel.: +90 212 495 32 32  
E-mail: [info@temesist.com](mailto:info@temesist.com)

Factory :

2. Organize Sanayi Bolgesi  
Istanbul Yolu No:96 PK:1110  
OSB / Bilecik / Turkey  
Tel.: +90 228 216 00 58  
E-mail: [info@temesist.com](mailto:info@temesist.com)