

Mobile Racking Systems: More storage on less space

Our mobile racking systems not only let you optimize your space requirements, but also free up additional room. The systems offer a maximum amount of flexibility with respect to size and quality of your stored goods, which may vary from

extremely large and heavy goods to documents, apparel, small parts, spare parts, tires, or tools.

Our solutions feature the highest quality, various combinations, and an extensive number of adjustment

options. A modular concept provides the capability of assembling the system according to customized requirements.



Your Benefits

- Increased **warehouse capacity** up to 90%
- **Space savings** of up to 45%
- **High efficiency** and **durability**
- Possible combinations with **conveying system** and **automated guided vehicles**

Efficient space utilization for optimum warehouse logistics

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Appendix

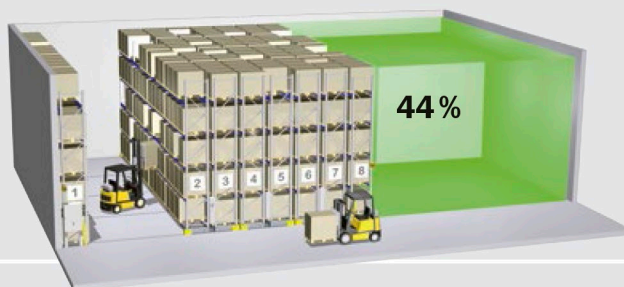
Pallet racks in conventional arrangement



Logistical data in comparison

Total storage area	625 m ²
Of which rack area	223 m ²
Proportion of aisle area	402 m ²
Floor space utilization	36 %
Pallet locations	1,152
Area loss	64 %

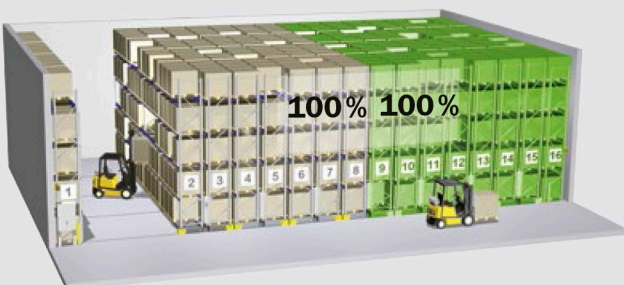
Mobile racks for optimized use of space



Logistical data in comparison

Total storage area	353 m ²
Of which rack area	223 m ²
Proportion of aisle area	130 m ²
Floor space utilization	63 %
Pallet locations	1,152
Area gained	44 %

Mobile racks for the requirement of higher storage capacity



Logistical data in comparison

Total storage area	625 m ²
Of which rack area	463 m ²
Proportion of aisle area	162 m ²
Floor space utilization	74 %
Pallet locations	2,304
Capacity gains	100 %

Flexible Rack Systems for large and heavy warehouse goods

Heavy load modular shelving systems for pallets and oversized goods are designed for the most demanding weight and size requirements of the goods to be stored. The modular construction also allows customized solutions.

Suitable for Use in Cold Storage Environment

Our rack systems, our competence in conveyor technology, and our powerful electric motors combined make our systems the number one choice for use in cold storage warehouses.

Safe Work Environment

The pallet mobile rack systems are equipped with emergency-stop buttons, photoelectric access barriers, manual release systems, proximity sensors as well as photoelectric safety barriers. All of these features ensure that our solutions contribute significantly to the smooth and safe working environment in your warehouse.



Your Benefits

- ▶ Increased **warehouse capacity** up to 90%
- ▶ **Space savings** of up to 45%
- ▶ Reduced operating and real estate costs as a result of **excellent system space utilization** (surface area utilization of up to 80%)
- ▶ Maximum **storage density**
- ▶ Increased **energy efficiency**
- ▶ **Direct access** to pallet locations prevents unnecessary and time-intensive relocation
- ▶ **High throughput**
- ▶ Option to connect to the **warehouse management system**
- ▶ **Earthquake-proof design**

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Mobile Racks for light and medium-weight loads

Whether documents, clothing, small parts, spare parts, tools, or other light to medium rack loads – with its mobile racks, SSI SCHAEFER offers the ideal warehouse solution for light-weight to medium-weight loads.

Innovative Technologies:

Depending on the stored goods and requirements, our mobile racks are offered with the following features:

- ▶ Crank drive for rail systems: Because the rails are anchored in the floor, this type is also suitable for high and narrow construction.
- ▶ Crank drive for non-rail systems: Because the existing floor does not need to be modified when installing this system type, the non-rail solution can be easily installed on almost all existing surfaces and is also ideally suited for special floors or heated floors.
- ▶ Electric drive and RFID technology: With this option, we combine the versatility of the mobile rack with the benefits of modern RFID technology. The result is a rack system that can be operated safely and easily and is suitable for a wide range of applications in the office, workshop, or archive areas.

Your Benefits

- ▶ **Space gain:** 40 % less space than stationary rack lines or space for 85 % more storage volume on the same surface area
- ▶ **Optimized space requirements,** additional space on the free surface
- ▶ **Optimized and reduced transit times** in internal workflows
- ▶ **Higher efficiency** due to fewer rack aisles
- ▶ **Three different designs**
- ▶ **Highest quality**
- ▶ **High flexibility** with modular expansion options and different combinations



Your Benefits

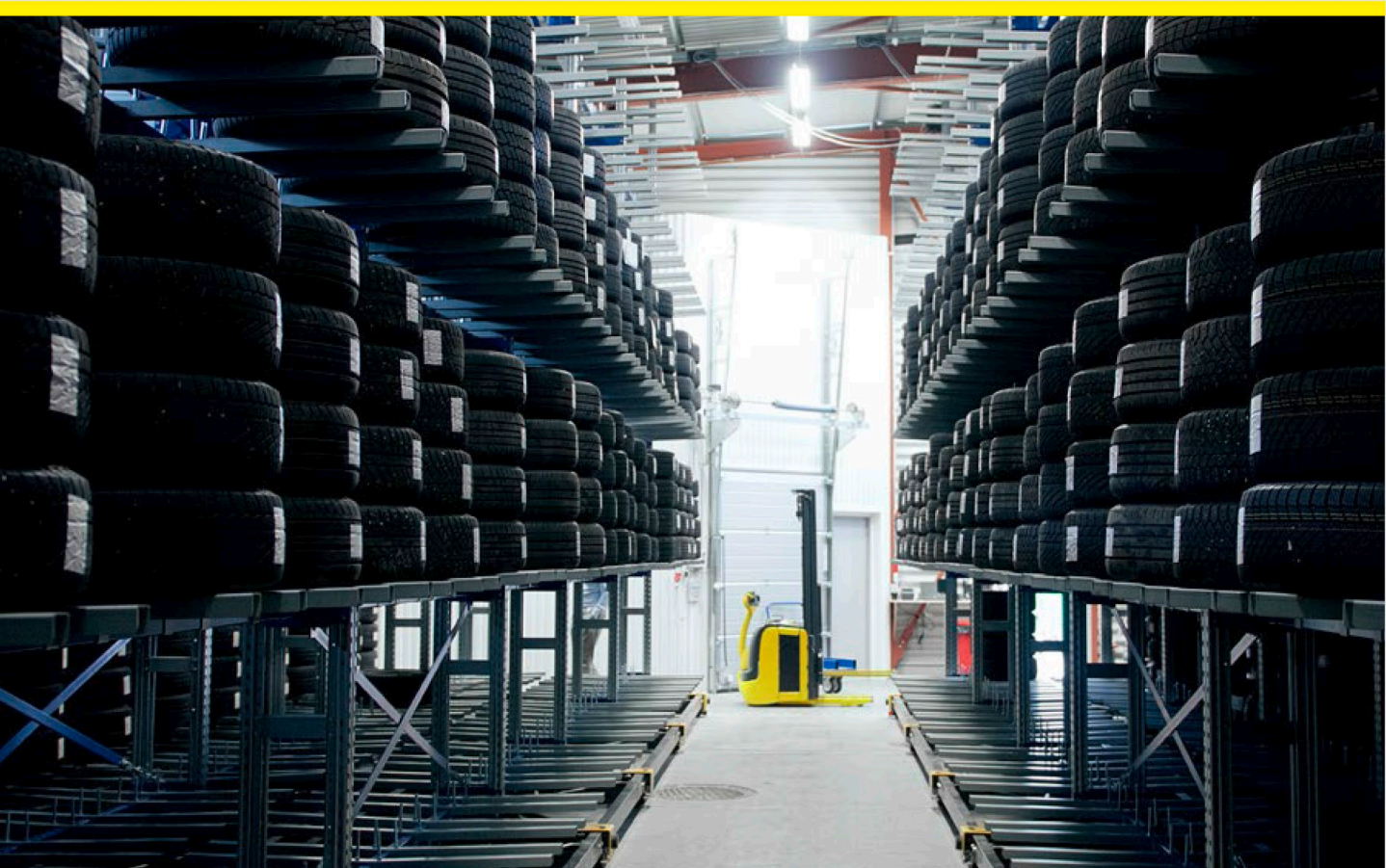
- ▶ Almost **twice** the **warehouse capacity** as static warehouse solution on the same area
- ▶ All **wheel and tire sizes up to 800 mm diameter** can be stored
- ▶ **Compliance with all applicable health regulations**, because the wheels, some of which might be difficult to install, do not need to be manually lifted by one person
- ▶ Thanks to carriers that can drive underneath the rack, the wheel stacks can be **quickly and safely stored in and out** from the ground using a forklift
- ▶ **Reduced operating and real estate costs** as a result of excellent system space utilization
- ▶ Equipped with state-of-the-art **PLC control unit**
- ▶ **Carrier loads up to 50 t, carrier length up to 25 m**
- ▶ **Modular expansion option**
- ▶ High **flexibility, quality** and **durability**
- ▶ Different **combinations**
- ▶ **Comprehensive expertise**

Mobile Rack EMX for tire storage

A tire warehouse is only efficient if it is well adapted to the local conditions. Benefit from our space saving, flexible, and safe EMX mobile rack system.

Our mobile rack systems for tires and wheels include conventional tire or cantilever racks mounted on carriages and moved parallel to each other using a motorized drive. As the rack is moved along rails, only the aisle needed is opened.

This solution ensures maximum economic efficiency because of the reduced space requirement in the workshop or in the warehouse.

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