



# SCHAEFER ORBITER SYSTEM

Safe - Fast - Intelligent





20

20



powered by  
**SCHAEFER**

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powered by  
**SCHAEFER**

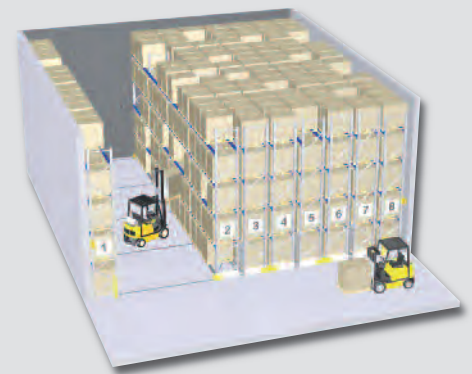


# Selective Mobile Pallet Storage systems

Offering high density storage with 100% selectivity of all pallets on demand. Using Selective Racks mounted on Mobile Bases, storage capacity can be doubled as only one aisle is used for blocks of 8 to 10 racks.

Racks are moved using Radio Frequency technology and are fitted with a range of safety features, meeting European Standards.

**Mobile racking system**



# SSI SCHAEFER Orbiter System

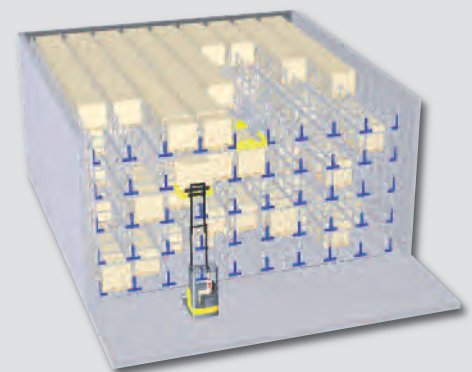
High density storage with channels in excess of 20 pallets in depth can be provided using the SSI SCHAEFER Orbiter System.

Designed to meet all European Safety Standards the system increases capacity more than traditional Drive In Storage System, using an electrical driven trolley which runs on rails below the pallets.

The SSI SCHAEFER Orbiter System offers high density, in a safe environment it can be operated in either FILO (First In Last Out) or FIFO (First In First Out) modes.

By using Radio Frequency controlled orbiters, it provides a far more efficient and cost effective solution over traditional racking systems.

**SSI SCHAEFER Orbiter System**





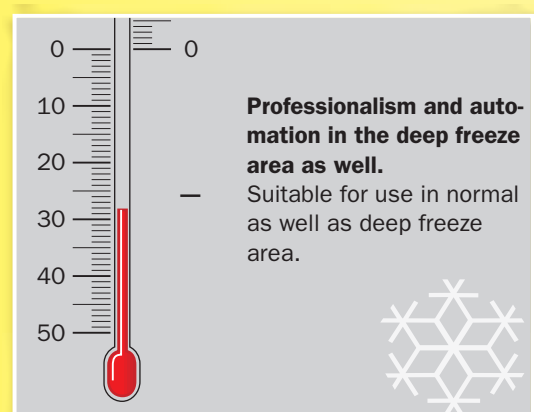


## SSI SCHAEFER Orbiter - Revolutionary details

The SSI SCHAEFER Orbiter brings a revolutionary system in multi-location storage system technology to the market. The system has a high number of unique positioning characteristics.

### System Advantages:

- **State of the Art** Operative Protection with the unique docking station
- High speed
- Easy to use Docking Station thanks to a maximum with 50mm location tolerance
- User friendly icons on the reomtoe control
- **Innovative power supply using Power Caps!**





# Areas of application for the SSI SCHAEFER Orbiter Technology

## First In Last Out (FILO)

- One-sided rack stacking – 1 aisle
- Channel depths of up to 40 metres
- Several Orbiters possible per fork-lift
- Can be used with all conventional fork lifts

### Operating mode:

- Storage and retrieval of individual pallets
- Permanent storage/retrieval
- Inventory check feature

## First In First Out (FIFO)

- Rack stacking from both sides – 2 aisles
- 2 Orbiters possible per channel
- Several Orbiters possible per fork-lift.
- Can be used with all conventional fork lifts

### Operating mode:

- Storage and retrieval of individual pallets
- Permanent storage/retrieval
- Shuffle mode for reorganisation of the storage lanes
- Inventory check feature





# SSI SCHAEFER Orbiter System

## Orbiter

A unique rack stacking vehicle. Safe, fast and intelligent for flexible use of loads up to 1,500 kg

## Docking Station



Central safety element with hazard warning light and status display. Prevents unauthorised entry into the aisle. Provides safe transportation of Orbiters

## The experience of market leading SSI rack construction technology

Contrasting colour plinths for secure docking station centring.

## SSI SCHAEFER Fence System

Standard elements to prevent access



## Protective floor rail

Protects the rack from collision with the fork lift




Designed in compliance with standards and regulations for the highest degree of safety and





**Advantages:**

- Storage and retrieval speed 1m/second
- Power supply using Power Caps! 
- Suitable for deep freeze
- Intelligent storage technology for more efficient permanent use
- Redundant design of control and sensors!
- Innovative lifting mechanism without hydraulics
- 4 high resolution controlled drives for performance
- Intelligent system with extensive operating options

**Electrification**

The rack face is designed with a robust, secure electric contact block, that transfers power to the docking station used. The contacts are fully all-insulated.

**System independence**

The Orbiter system can be used with every conventional fork lift. Allowing companies to use existing material handling fleet.

**Radio remote control**

The impressive hand remote is easy and clear to operate as well as being robust for daily use. Logical and clear icons enable simple and fast operation of the system.

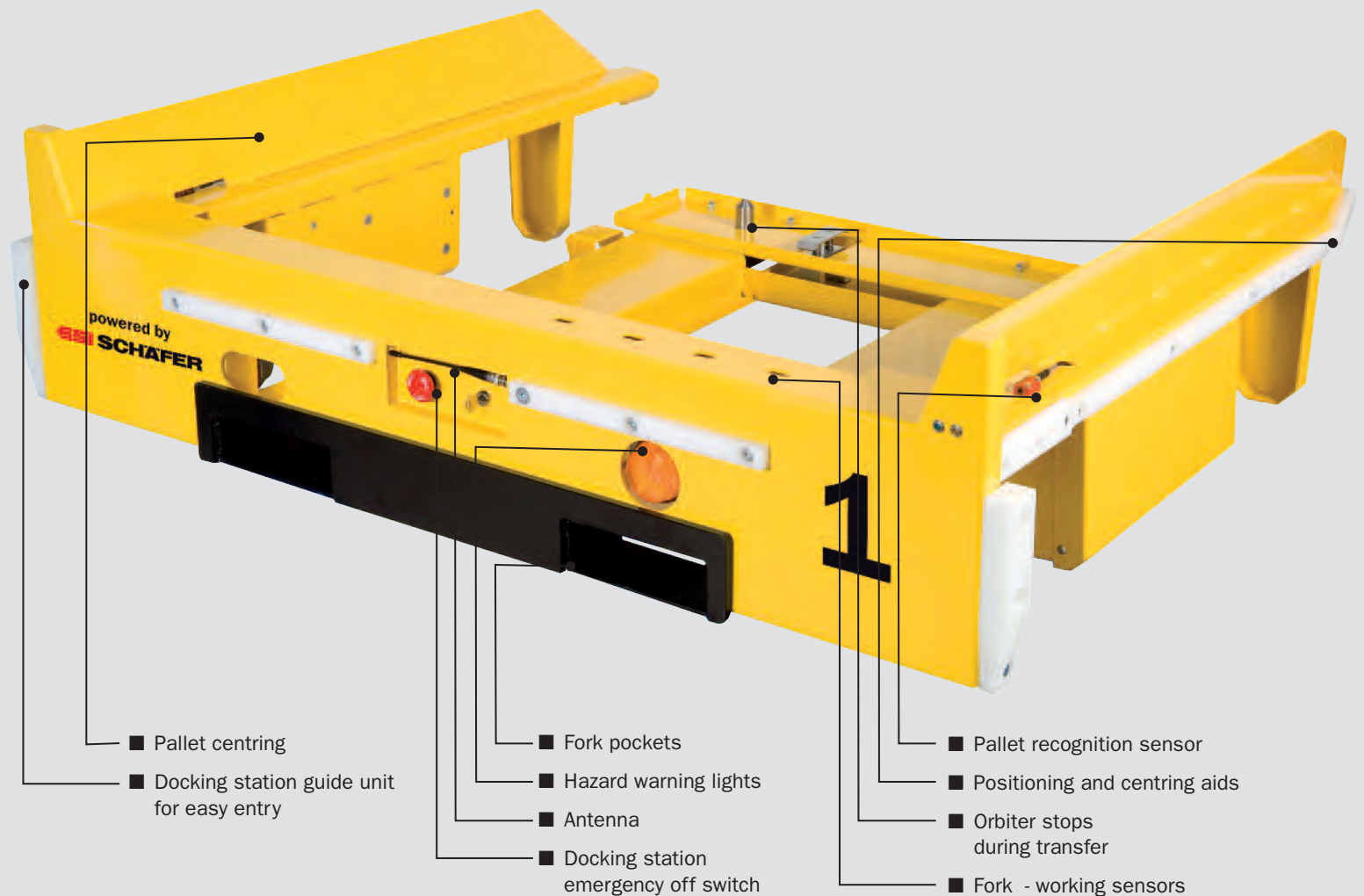


ease of operation



# Docking Station: Central safety element

Less operator stress and increased productivity





# The innovative Orbiter electronics and mechanics

Technology with dynamics and performance









# Customer Service & Support

## 24 hours a day. 365 days every year. Worldwide.

High availability and long service life, economical operation and fast assistance in the event of a failure – customer oriented after-sales service and regular maintenance work are the most important approaches in optimising the operating times and operational reliability of equipment and systems.

SSI SCHAEFER has followed these principles with the creation of a service and maintenance network that is available worldwide. Continuous accessibility, fault clearance via modem or on location and preventative maintenance for mechanical equipment and control systems are part of the range of services offered by SSI SCHAEFER.

With customer specific service and maintenance models as well as innovative spare part concepts, our service team takes care of highest operational safety, minimum down times and maximum customer satisfaction.

**SSI SCHAEFER Hotline – your direct link, 24 hours per day, everyday.**

### Our range of services

- 24 hour hotline
- Global spare parts management
- Planning and execution of service contracts
- User training on location
- Preventive maintenance
- Service contracts







## Extract of our brochure series



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