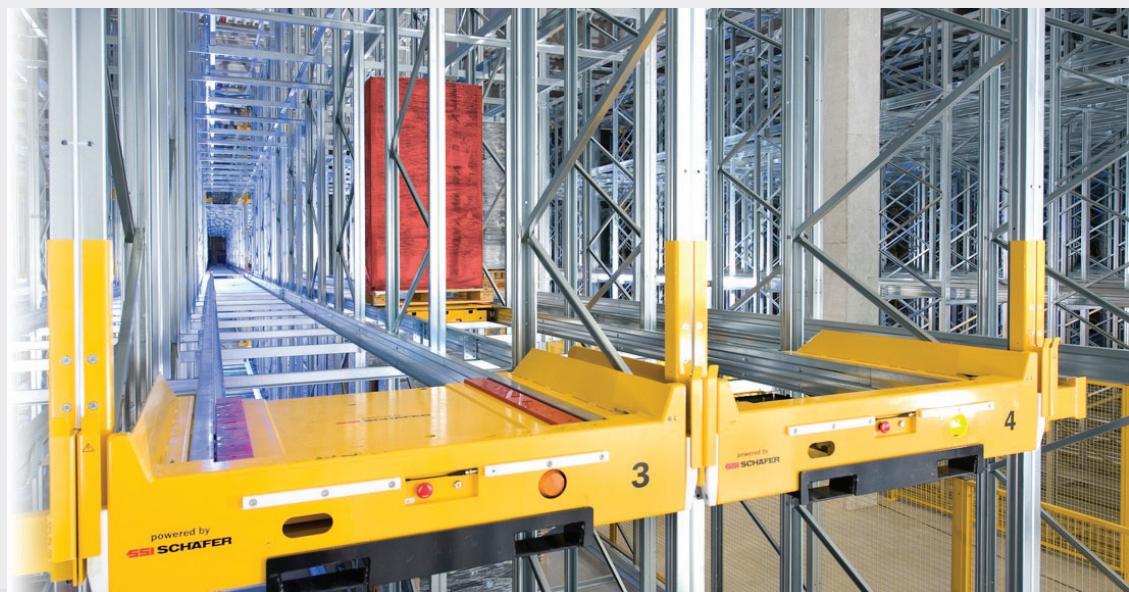


# THE NEW SCHAEFER ORBITER

PROVIDING THE PERFECT  
PALLET STORAGE SOLUTION



- ▶ State of Art Operative Protection with unique Docking Station
- ▶ High speed – one metre per second
- ▶ Easy to use Docking Station with 50mm location tolerance
- ▶ User friendly icons on the remote control
- ▶ Innovative Power Supply using Power Caps
- ▶ Suitable for deep freeze environments

## About SSI Schaefer

SSI Schaefer is the world's leading supplier of logistics and material flow systems with a product offering ranging from plastic storage and transit containers to high bay warehousing systems and almost everything and anything in between – all of its own manufacture.

SSI Schaefer's unrivalled in-house expertise in the design and installation of major – and often **customized** - turnkey materials handling and storage projects has resulted in many successful automated picking and high bay warehousing schemes for leading blue-chip companies and international **organizations**.

Typical products are storage and transport containers, shelf storage systems, pallet racks, long load racks and mobile racking systems, which combine with automated picking and sortation systems to form the basis of manually operated or fully integrated storage solutions.

With a reputation built on an unwavering commitment to excellence, SSI Schaefer has developed a unique partnering approach, through which they work hand in hand with their customers to develop, design and implement the most innovative yet cost effective solution for each project. SSI Schaefer prides itself on going the extra mile to fulfill and deliver the best solutions.

## Deep Pallet Storage and Retrieval Solutions for all industry sectors

SSI Schaefer can handle and store all manner of components and products.

Systems include:

- ▶ Standard Pallet Racking
- ▶ Pushback Pallet Racking
- ▶ Automated Crane Racking
- ▶ Drive-in Pallet Racking
- ▶ Pallet Live Storage
- ▶ Mobile Pallet Racking
- ▶ Channel Pallet Storage

### **Standard Pallet Racking**

SSI Schaefer provide strong, heavy duty pallet racking systems for daily use offering simple construction and installation using few components and bolted frames. The system, set to accommodate multi-location storage facilitating quick handling of goods, offers a number of configuration possibilities to suit all industries.

- ▶ Serviceable by reach or counterbalance or narrow aisle fork lift trucks
- ▶ 100% access to all pallets
- ▶ Adjustable beams allow maximum height utilization
- ▶ Case or full pallet picking from ground or upper level
- ▶ Integrated in-rack sprinklers option



### **Pushback Pallet Racking**

SSI Schaefer Pallet racking can be equipped with roller or cart push back systems. The storage levels can be set to accommodate different pallet heights making maximum use of available floor space. This safe and efficient system can be operated using standard fork lift trucks without the need to enter the racking.

- ▶ Works on first pallet in, last pallet out (FILO) principle
- ▶ Full Pallet picking
- ▶ Storage depth from two to 6 pallets
- ▶ SKU dedicated to storage lane
- ▶ Optimum warehouse floor space utilization
- ▶ Safe system reduces rack damage
- ▶ Works with standard Fork Lift Trucks
- ▶ Suitable for cold store environments



### **Drive-in/Drive-through Pallet Racking**

SSI Schaefer's drive-in/drive-through pallet racking system is particularly suited to the storage of large quantities of the same product for maximum storage capacity using the minimum amount of space. Picking and replenishment is facilitated by means of conventional forklift trucks which drive into the racks that are equipped with floor guide rails to protect the uprights and serve as guidance for the driver.

- ▶ Maximum use of storage cube
- ▶ More pallets can be stored compared with Wide and Narrow aisle systems
- ▶ Used in bulk store and cold store warehouses
- ▶ Provides pallet protection to fragile loads

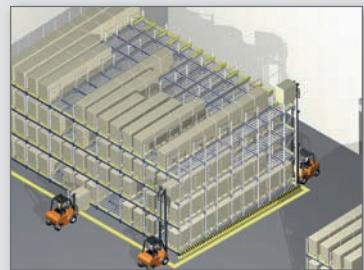




### Pallet Live Storage

This type of racking from SSI Schaefer is normally served using forklift trucks and reach trucks although hand pallet trucks can be used on the lowest level at the picking side. The storage principle of First-in-First-out (FIFO) can be applied to handle goods with expiry dates, product batches and fast moving stock consolidation. The execution of gravity roller tracks can be adapted using different roller pitches and break rollers to the respective stored goods while pallets can be served on multiple levels with an additional order-picking level or tunnel.

- ▶ Highly compact storage system
- ▶ Works on the FIFO principle
- ▶ Ideal storage for pallet loads with shelf life
- ▶ Automatic stock rotation
- ▶ Pallet pick from one face
- ▶ Accommodates Euro or Chep-type pallets



### Mobile Pallet Racking

The mobile racking system is simple as well as impressive. As many rows of racking as required can be fitted onto mobile bases and run fully motorized on rails. Only one access aisle needs to be open, depending on where the goods need to be picked. 85% increase of storage capacity over the same surface area, 60% decrease in building volume if planning to build new and 40% increase in available space without having to build new.

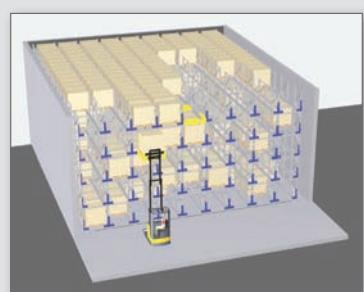
- ▶ Maximizes space utilization – up to 85% increase in capacity
- ▶ Motorized racking on mobile bases
- ▶ Dense Pallet Storage or Cantilever Systems
- ▶ Full Warehouse Control System
- ▶ Optional Fully Automated Truck



### Channel Pallet Storage – Orbiter

The Schaefer Orbiter System leads the way in providing safer, faster and more intelligent controllable shuttle system technology capable of travelling up to one metre per second. Allowing for high density storage with channels in excess of 20 pallets in depth with rapid availability of selected pallets on demand. The Orbiter increases capacity over traditional drive-in storage methods and can be operated in either First in Last Out or First in First Out.

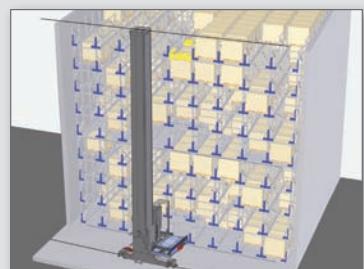
- ▶ State of Art Operative Protection
- ▶ High density storage system
- ▶ High speed storage and retrieval (1m/sec)
- ▶ Innovative power supply and docking station
- ▶ Suitable for cold store environments



### Automated Crane Racking

The Schaefer Compact Crane system combines fully automated high bay pallet storage and retrieval technology with deep pallet channel storage. This makes absolute maximum use of height and floor space footprint. Ambient, chilled and cold store applications are possible. With full WMS integration this provides the benefits of a complete solution.

- ▶ Maximum use of height
- ▶ Automated control
- ▶ Safe and predictable handling
- ▶ High pallet throughput

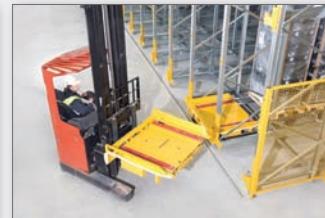




Schaefer Docking Station



Schaefer Orbiter



Safe and precise Docking Station lifting



Access to the aisle blocked thanks to the Docking Station



Loading – Level 2



Remote control with clear icons for easy handling



Orbiter returning to Docking Station



Unloading – Level 2

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