

*Extract of the
general catalogue,*

CHAPTER I

**INDIVIDUAL SOLUTIONS
FROM A SINGLE SOURCE**

*Systems diversity for warehouses,
factories and workshops*



GENERAL CATALOGUE

High bay racking for installation into warehouses or as Rack Supported Buildings

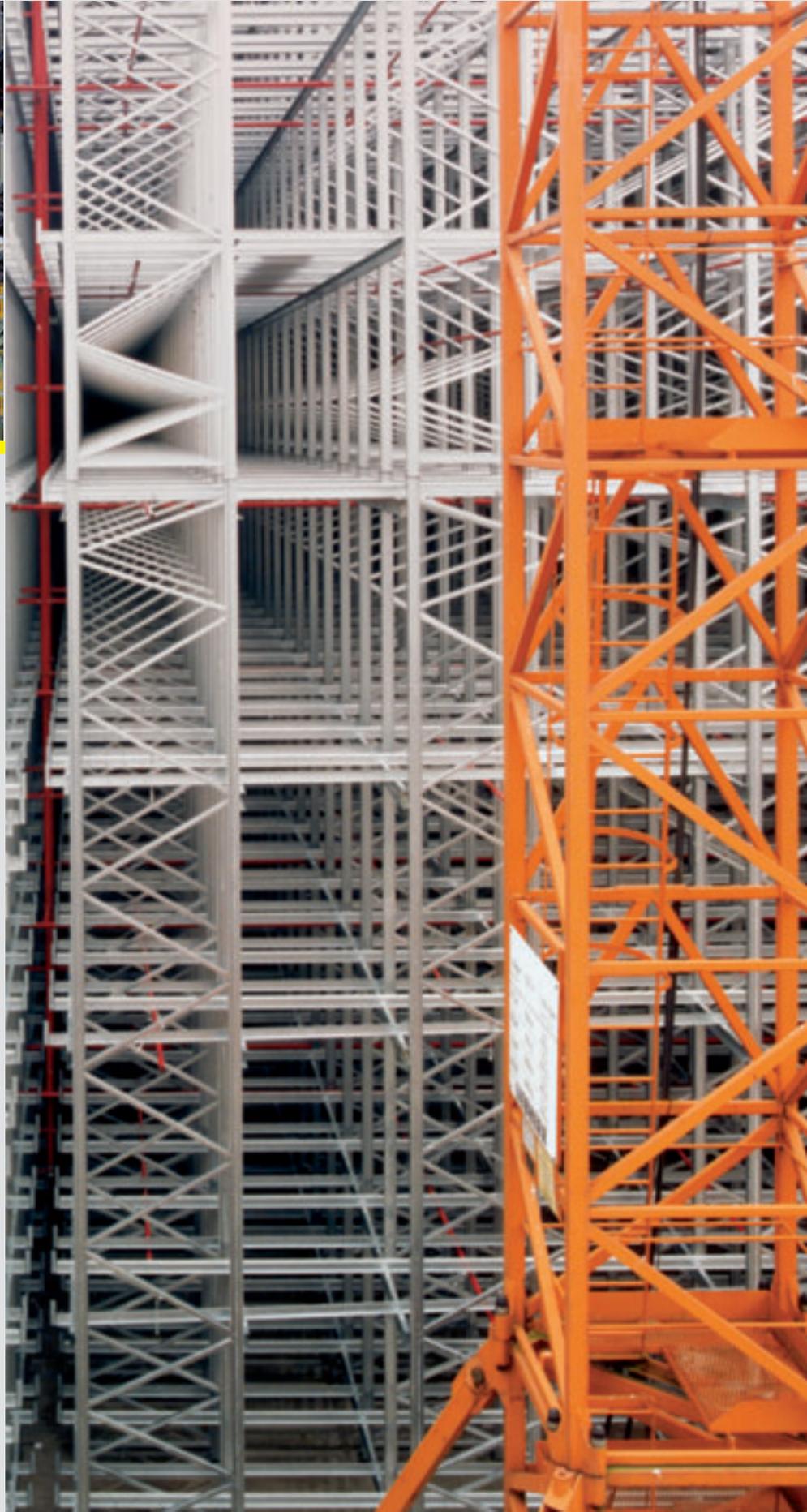


The name SSI SCHAEFER is synonymous with high rise racking for automated warehouse installations. We build these for pallets or automated small parts mini-load® systems, for installations in warehouses or as Rack Supported Buildings.

SSI SCHAEFER systems are installed worldwide in partnership with logistics companies and manufacturers of materials handling equipment. Our experience in planning and implementation is also available to manage your project. Our list of recommendations is a testimony to our highest quality standard and decades of expertise.

With detailed precision and intelligent engineering we are able to execute pallet silos in structural heights of well over 40 m and small parts systems (AKL-Silos) up to 30 m high. We would be happy to organise a visit to one of the reference installations.

SSI SCHAEFER worldwide quality.





Warehouse systems are designed for use in warehouses or as “Rack supported structures”. For the silo construction, the racking is mounted on a concrete base in the open air. The racking is then clad with walls and roof.

This reduces the construction time, since there is no need for the initial construction of a warehouse.

The cladding of the installation takes place in tandem with the erection of the racking. This means that silo design in general is more

cost-effective to build in terms of the total investment, and the investment can start to “work” earlier.

The stability of automated small part system silo constructions is critical in view of the deflections resulting from wind and snow loads. Ask SSI SCHAEFER for recommendations.



mini-load® automated small parts storage

The fully automated small parts storage system (AKL) operates on the “goods to picker” principle. Entire storage units of small parts are mechanically retrieved by a computer-controlled, unmanned aisle stacker crane (RFZ) and delivered to the order-picking area to the feed of a conveyor system.

While the stacker crane is in operation, the picker can order-pick from the goods supplied. Long picking aisles and unproductive searching are a thing of the past. The stacking cranes can be fitted with different

tools to pull, grab or lift as required. A crane can be fitted with several such tools at once. This greatly increases the efficiency of the individual piece of equipment and saves costs.

Since mini-load® racking systems (automated small parts storage) must be designed to meet extremely critical tolerances, very high demands are placed on manufacturing accuracy.

They are designed as modular or channel storage systems with

single- or multi-location storage systems, and can be installed both in warehouses and as silo racking.

In our reference list we can cite the most diverse installations using all well-known stacker crane manufacturers.

The exact specifications from the stacker crane manufacturer are automatically considered when submitting a tender. This saves time and ensures safety.





Turnkey solutions for storage and logistics

With more than 300 turnkey systems installed in the last 25 years, SSI SCHAEFER is one of the leading suppliers of global logistics. SSI SCHAEFER is one of the few companies to offer a fully comprehensive programme embracing design, development, installation, maintenance and after-sales servicing. Turnkey installations safe in the hands of an experienced general contractor with an international presence.

Logistics from SSI SCHAEFER: guaranteed to expand your concept of maximum availability. The higher the customer's demands, the more complex the design processes. At a time when effective logistics can determine your success in the

market, SSI SCHAEFER comes up with the goods: designs and total solutions for complex logistics management.

From planning to after-sales service, from software development to warehouse installation, from partial supply to total solutions, choosing SSI SCHAEFER as your partner will secure your investment. We undertake responsibility for our customers, for financing, and for functional safety and performance of the plant. Precise project management and control of deadlines are vital components of a reliable total solution from just one source. High performance



simulation software gives a high degree of planning security from the very start.

By simulating material flows and order-picking strategies the sequencing of events can be optimised, thereby ensuring functionality, efficiency and economy.



General contracting

Planning and consultancy

Warehouse management and material flow systems

Control technology

ARS machines and pallet conveyors

After-sales service and maintenance



The computer-control and automation systems from SSI SCHAEFER ensure that complex processes run smoothly. With our platform-independent software, we can coordinate and document the total logistics process from receipt of goods via job control, warehouse management and order-picking right through to dispatch and delivery.

Constant availability round the clock, trouble-shooting via modem or directly on-site, training, support, an express replacement parts service and preventative maintenance for mechanical, control and IT systems by our service team all combine to guarantee the highest possible operational safety.



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Competence in modular order-picking technology

The requirements of storage, materials handling and order-picking technologies are just as diverse as the sectors of industry in search of economic and individual total solutions.

From a single conveyor belt to complete storage, materials handling or order-picking installations, SSI SCHAEFER has an immense range of solutions available. Transparent sequencing, continual control mechanisms and logistic clarity are prerequisites for the economic efficiency of large modern warehouses. These systems underpin the entire warehouse organisation,

from receipt of goods through to dispatch.

The semi-automatic, paperless Pick-by-Light order-picking system from SSI SCHAEFER shortens the aisles, increases picking efficiency and optimises the available space. Software can be individually modified to meet most customer requirements. It can be used either in conjunction with the SSI SCHAEFER software systems or as a separate order-picking control system in a pre-existing warehouse management control system.



A comprehensive customer care and after-sales service forms an integral part of customer-orientated storage solutions, e.g. logistic designs and 24 hour service





Dynamic small parts conveyor technology

Automatic picking systems

Handling systems

Logistics software

After-sales service and maintenance



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