

# AUTOMATED STORAGE AND RETRIEVAL SYSTEM



***Stöcklin***  
**Home of Intralogistics**



## Innovative Complete Solutions

As a supplier of complete systems, we plan, design and realize equipment to meet the distinct and operationally specific requirements of our customers. As a strong partner, Stöcklin supports you with many years of competency and experience in intra-company logistic solutions in all industries.

When we speak of the entire system, we mean more than just smooth interaction between the mechanical, control and material flow systems. Above all, we incorporate all special features of your products, business processes and objectives into consideration into consideration.

We support our customers from the planning and development phase right through to delivery of complete turnkey systems. Our many years of experience and great production depth allow us to offer conveying and storage systems for highly varied types of load carriers including floor handling equipment to contribute to your logistic processes as a cost-reducing factor and strengthen your long term, sustainable competitive ability.

We place great emphasis on long term, cooperative relationships with our customers. This means our job is not done when your system is completely installed. This is the point at which another strength reveals itself: We are always there for you with our consulting services. Various service concepts, training courses, a 24/7 service desk and quick-shipping replacement parts guarantee high availability in your warehouse over the entire life cycle.



## General Contractor

Optimization of space, time and resources is a key contribution from us to your continued success. Acting as your general contractor with overall project responsibility, Stöcklin Logistik AG offers complete, ready-to-use systems allowing you to store your products in the minimum space, manage them reliably and pick and transport them as quickly as possible with minimum personnel costs. Our objective is to optimize intralogistic processes for our customers and ensure top accessibility of your goods - true to our motto "Climb to the top".

As a systems integrator, we offer complete intralogistic concepts as your single source for your complete system needs. This means that we are your sole point of contact for all requirements within your project. We coordinate all of the work you require, from floor slab to installation of various equipment such as lights and we can assume overall responsibility for all intra-company logistic issues and cooperate with a general contractor for construction.



*"Automated storage and retrieval systems from Stöcklin offer you a high level of flexibility in relation to capacity and performance, including for future demands. The reliability and compatibility of our systems means you are guaranteed the utmost availability."*

Urs Grütter, Chairman and CEO



## Storage and retrieval systems

Automated storage and retrieval systems (ASRS) from Stöcklin have been proven in warehouse and distribution centers as well as in production environments.

The Stöcklin BOXer comprises variable modules and offers you a comprehensive solution for your ASRS. The the BOXer family of stacker cranes help to ensure short cycle times and maximum efficiency values. Thanks to a light-weight structure applied innovatively and consistently, the BOXer sets the standard in the area of energy efficiency.

The BOXer is suitable both for standardized containers and trays as well as for boxes in various sizes and qualities. Various load handling attachments are available for this, both for single-position and multi-position storage. Alongside the classic combi-telescopic attachment, Stoecklin also offers carton grippers, as well as other gripper-type load handling devices.

With the ASRS shuttle FSP (Flexible in Storage and Performance), your system can be designed independently according to warehouse capacity and performance. The FSP was designed for a broad spectrum of uses and thus can be used with a wide variety of package types and dimensions.

Since the requirements of intralogistics systems change over the years, subsequent adaptations and expansions are vital, and we have taken this into account in the development of the FSP. Thus, you have the right system available to you, also for the requirements of the future, which also guarantees you a high level of investment security.

# Conveying and picking technology

For the flow of materials within a company, we offer a conveying system that moves pallets and other load carriers in horizontal and vertical directions efficiently and safely. The conveying technology is designed according to a modular concept and can be expanded at any time. It functions as a crucial link between production, warehouse and picking zones and is a vital part of rapid and reliable operating processes.

At Stöcklin, you will find the optimum solution for your requirements, regardless of the way the conveyed goods are packed. Our robust and long-lasting system components and intelligent controls connected to high-performance warehouse management software guarantee a high level of availability and reliability.

With the warehouse management system, Stöcklin uses the latest technology to offer efficient and ergonomic solutions for picking. We show you ways to save costs and offer you effective improvements in picking technology. With the StöcklinWMS, we provide a connection to all common types of picking:

- Pick-by-Light / Pick-to-Light
- Pick-by-Voice
- Handheld (scanner)
- Goods-to-Person (picking location)
- Receipt-based picking



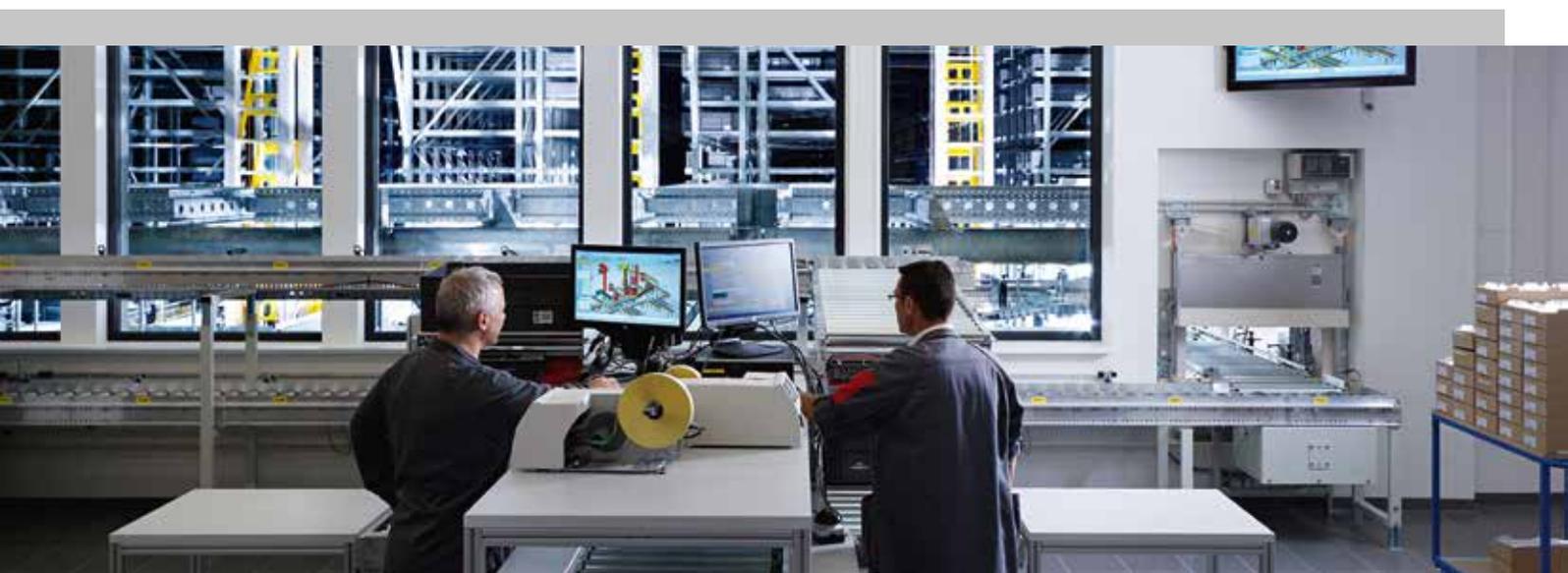
# Management and warehouse administration

The intralogistics processes are optimized by the smart control of material flows and the intelligent management of storage space by means of carefully developed warehouse management software – this results in efficient system solutions.

A high level of redundancy and rapid material flows are standard features of our system solutions, ensuring your goods are available at any time. A balanced combination of proven mechanism and intelligent software ensures highly available conveying and storage systems.

The *StöcklinWMS* is broken down into functional components spanning different modules. Depending on the project requirements, individual or combinations of modules can be used, which ensures that no costs are incurred for functions you do not use in your system. The *StöcklinWMS* can be seamlessly integrated into the hierarchy of the systems used in the automatic warehouse and is SAP- and SGS-certified.

The reliability and quality of a software system are crucially dependent on its inner structure. Hence a huge variety of requirements were taken into consideration during the design and development of the *StöcklinWMS*. We would be happy to advise you in order to address questions specific to your project and to identify the greatest cost-effectiveness for you.





## Green Logistics

Even as we are building our products, we take energy consumption into account alongside functionality and cost-optimization.

We have developed targeted measures to save energy and thus make a positive contribution towards our customers' carbon footprints. The functionalities available permit overall energy savings of up to 20%, which has a notable impact on operating costs.

The savings actually achievable are dependent on the storage strategy applied. Furthermore, it is important to closely align all available systems, from the ERP system to the warehouse management system to the control and drive technology, with a targeted energy-saving goal.

With the precise individual requirements of our customers in mind, we work together to identify appropriate measures that cover both the aims with regard to energy savings and the required performance of the system.

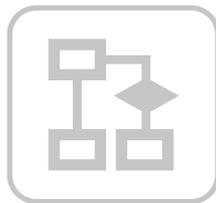
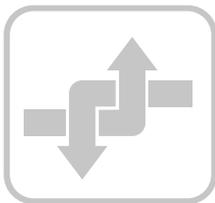
Alongside energy efficiency, it is primarily the longevity of our system components that guarantees a long-term solution for your warehouse.

# Stöcklin

Home of Intralogistics

Since 1934, the Swiss Stöcklin Group has been your competent partner worldwide for innovative and customer-specific logistics solutions.

As an experienced, international system integrator for intralogistic systems, we support our customers from the planning and development phase right through to delivery of complete turnkey systems. Our products, produced primarily as the original equipment manufacturer (OEM), allow us to offer conveying and storage systems for highly varying types of load carriers as well as floor handling equipment to strengthen our customer's long term, sustainable competitive ability.



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