

SOLUTIONS TO SUIT YOUR TASTE





The food trade comes up with some demanding requirements for intralogistics specialists. The technological development of retail business is increasingly augmented by a rapidly growing online food trade. SSI SCHAEFER provides flexible, scalable and modular solutions to guarantee maximum efficiency for both areas.

The food sector is characterized by extensive product handling requirements, together with a broad customer structure that encompasses international wholesalers with hypermarkets, hotels, large kitchens and kiosks. Diverse shop formats offer an extensive range of dry, fresh and deep frozen products. Every shop format has a different goods turnover. This results in a vast spectrum of requirements for the various distribution networks which affects quantities, load carriers and delivery options.

The growing online supermarket business plays an increasingly important role. Established supermarket chains and new start-ups share the market. Fulfillment for online retail faces additional logistics challenges such as high growth, high delivery peaks, narrow delivery windows, a low drop rate on the last mile along with greater pressure on margins.





SOLUTIONS FROM SSI SCHAEFER

- Individually tailored, modular warehousing, picking and transportation systems, from high-bay warehouses to automated guided vehicles
- Automatic handling of different article units such as cartons, bins, PET and glass bottles as well as shrink-wrapped items
- Efficient shipping buffers
- Web-based visualization and dashboards with standard and customer-specific KPIs
- Ergonomic work stations
- High-performance WAMAS® and SAP software solutions for manual, semi- or fully automated warehouses

The right level of warehouse automation is, therefore, highly customer specific. Furthermore, many providers are also increasing the number of articles offered in order to remain competitive. The market is in a constant state of flux and the rate of change is increasing. As a consequence, a warehouse is never "finished". That is why process optimizations after commissioning the warehouse and throughout the entire operational life-cycle round out our portfolio.

SSI SCHAEFER implements your specific requirements as a tailored logistics solution. We coordinate your goods flow throughout all temperature zones and enable an optimum service level, regardless of whether you require manual, semi- or fully automated solutions for warehousing, picking and transport.

Requirements for intralogistics

- Foodstuffs perish. That is why the monitoring of expiry dates and batch numbers is essential.
- Seasonal and even weekly peaks, in particular for online supermarkets, demand exceptional flexibility from the warehouse layout.
- The massive growth of online supermarkets requires modular and scalable solutions.
- Products are fragile and depend on an appealing presentation in retail business. This makes gentle handling essential.
- Ergonomics has become a critical factor for efficient warehousing and picking concepts and it is also becoming an important aspect when competing for the workforce.

SSI SCHAEFER PROVIDES THE FULL SPECTRUM OF INTRALOGISTICS

Future-proof logistics solutions must fit seamlessly into your operational processes, be infinitely expandable, and adapt flexibly to new conditions. This requires specialists: Experts who do not think in terms of individual solutions but in terms of systems. At SSI SCHAEFER, this integrated system philosophy has been the basis of our success for decades. As a global general contractor, SSI SCHAEFER implements complete logistics systems. The services range from comprehensive systems planning and consulting to turnkey systems including tailored service and maintenance packages.

Complete solutions from a single source

SSI SCHAEFER has a broad range of products and solutions covering the entire internal material flow. These form the foundation for solutions specifically developed to meet your precise requirements. Our customers benefit from the fact that we manufacture almost all components within the SSI SCHAEFER Group. With 70 subsidiaries operating around the world and more than 9,500 employees, SSI SCHAEFER is an effective and reliable partner.

Dedication and commitment

Those who know SSI SCHAEFER, know that we are exceptionally committed to our customers.

This includes

- ✓ Commitment to provide the best solution,
- ✓ Commitment to be there for our customers,
- ✓ Commitment to keep our word at all times.

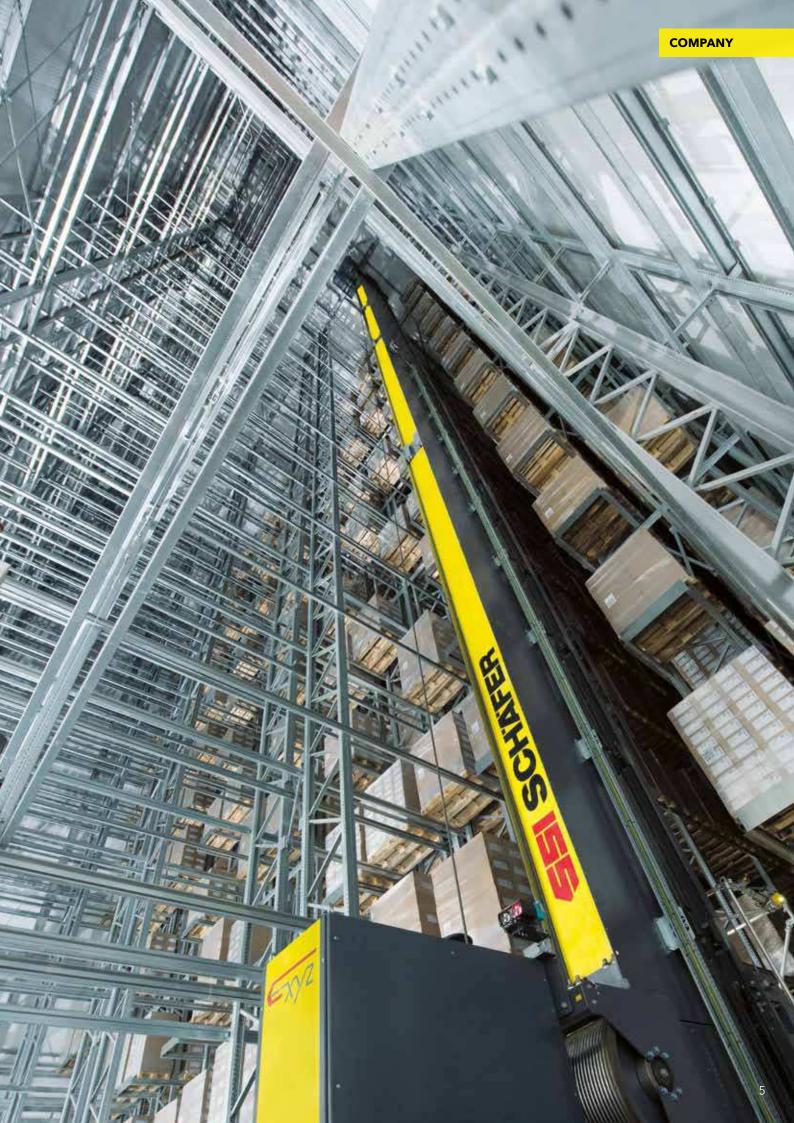
That is why you can always expect absolute dedication from us. We support you worldwide with employees available to assist you, with developing new technological solutions or providing a complete service throughout the entire life-cycle of your systems. Not only today but also tomorrow and in the future. Because as a family-owned company, we take the long-term view.

Specialists for the food retail market



SSI SCHAEFER has a long history in food retail. In addition to constructing semi- and fully automated warehouses, we have also become one of the world's largest providers of software solutions for manual warehousing with our WAMAS® logistics software. The diverse range of industry-specific and award-winning products and solutions reflects this extensive experience.

Our team of food retail experts develops future-proof solutions for all sector's requirements. Regardless of the size of your project, we utilize our extensive expertise to design and implement modular and scalable intralogistics solutions which are perfectly harmonized and can be integrated seamlessly into your processes.





ORDERED TODAY, DELIVERED TODAY: THE DEMANDING WORLD OF ONLINE RETAIL

The rapidly growing online food retail places highest demands on intralogistics processes in which the integrated optimization of the entire process chain is a key success factor. This encompasses the supply to the distribution center, delivery to the customer and returning the empty order bins to the warehouse.

Typical challenges along the process chain:

- The supply with conventional, optimized mixed pallets and their unloading for sorting into the picking warehouse slows down the goods-in process.
- More goods are purchased than the logistical optimum in order to obtain better procurement conditions. These items need to be stored, managed and made available efficiently in the warehouse without eliminating the savings achieved during purchasing by additional work steps or high investments in storage technology.
- Major delivery peaks result in corresponding picking peaks, causing further difficulties if the two processes are not decoupled.
- Consolidation plays an important role: products from different temperature zones need to be compiled into a complete order at the right time. The higher the throughput in the warehouse, the more difficult it is to implement these processes error-free manually.

- Without buffering, it requires parallel picking of the entire order in all temperature zones promptly before shipping. This results in an uneven distribution of the picking workload.
- The allocation of order bins and cartons in the shipping area usually happens manually, stacked on pallets or in shipping frames. This frequently creates ergonomic problems, is time-intensive and, therefore, expensive.
- Customers expect the take-back of beverage crates and empties. Therefore suppliers have to be able to sort and stack empties in the warehouse.
- The infamous "last mile" of delivery is expensive due to the generally low drop density. Tightly meshed upstream and downstream shipping processes accelerate the delivery procedure.

Particularly new companies have a limited budget for warehouse equipment. That is why modular and expandable solutions that grow with the company are essential.

With this in mind, SSI SCHAEFER draws on a portfolio of modular solutions developed or adapted specifically for online food retail. These manual, semi- or fully automated solutions include every step of the process chain.



Targeted application of automation

Automation is utilized specifically wherever employees carry out repetitive or physically demanding tasks and where today's technology works faster and more reliably than humans do. Ergonomic workstation systems, resources and sophisticated interfaces with the equipment reduce the demands on employees.

This applies to tasks such as:



Transport of pallets, bins and cartons from goods-in to the stock warehouse and the picking warehouse:

SSI SCHAEFER's conveying systems and automated guided vehicles handle any type of goods.



Supplying picking lines with products:

Automated guided vehicles, storage and retrieval machines and shuttles automatically transfer source bins, cartons, trays and even pallets to flow racks, handling the transport and sorting in the picking aisles automatically.



Picking:

Modern technology supports and guides employees during the pickling process, reducing error rates. Intelligent control by our award-winning WAMAS® logistics software enables the handling of orders with a similar structure in batches. This increases the picking density, allows the smoothing of peaks, and takes into account batch and expiry dates. Zone picking using Pick by Light together with ergonomic and high-performance goods-to-person work stations provides attractive alternatives to conventional picking with the person-to-goods approach.



Buffering and consolidation of order bins:

Picked order bins can be automatically buffered and combined with additional bins to complete the order to be dispatched.



Completion with last-minute articles:

Last-minute articles can be added to the bins removed from the consolidation buffer at ergonomic stations immediately before shipping. This enables the addition of articles that were unavailable during picking or where freshness is particularly important.



Stacking of shipping bins or filling of shipping frames:

SSI SCHAEFER's technology allows the stacking of shipping bins fully automatically in accordance with routes and orders. The bins can be stacked on pallets or inserted into shipping frames.



Sorting and stacking of empty beverage crates:

Beverage crates collected during delivery runs can be reliably identified in the warehouse by high-performance optical identification technology, sorted fully automatically and stacked on pallets for the transport back to the beverage suppliers.



WORLDWIDE SUCCESS: E-GROCERY SOLUTIONS BY SSI SCHAEFER

Sainsbury's: General contractor for shipping buffer warehouse

Sainsbury's, one of the UK's largest retailers, chose SSI SCHAEFER as general contractor for intralogistics to provide them with a cutting-edge system covering an operational area of almost 5,000 m² in their home delivery-only, online fulfilment store. The core of the system is an 18-aisle shipping and consolidation buffer with 19,200 storage locations for temporary storage of picked orders of dry, fresh and frozen food. The buffer enables the separation of picking and goods-out processes, allowing easy consolidation and sequencing before loading the delivery vehicles.

In the shipping buffer, 36 Navette multi-level shuttles and a total of 40 lifts process almost 700 orders with 3,600 bins per

hour in a 3-shift operation. The times for retrieval and provision are timed backwards and scheduled so that refrigerated and frozen goods are provided on the buffer conveyors at goods-out in the correct loading order, thereby fulfilling the requirements for a continuous cold chain. This is calculated using the warehouse control system of the logistics software WAMAS® by SSI SCHAEFER.

The system was installed at Sainsbury's with a module for controlling flow of goods and system components, and is connected directly to the customer's warehouse management system.

Sainsbury's

"The resilience and flexibility of the system, as well as SSI SCHAEFER's service offer proved that choosing them was the right decision. We are extremely satisfied with the results. They have provided a sound basis for further developments within Sainsbury's supply chain."

James Osborn, Senior Strategy Manager, Sainsbury's

RedMart: Intelligent linkage of standardized modules

SSI SCHAEFER set up a warehouse with approximately 10,000 m² for Singapore's leading online food retailer. RedMart has the broadest range of dry and fresh foodstuffs in Singapore. The narrow time window for delivering the goods and the perishability of the fresh foodstuffs require an intelligent combination of storage and picking systems.

Different manual solution elements are linked to form an intelligent process including pallet racks with 1,140 spaces, a two-level freestanding mezzanine with 940 \mbox{m}^2 , a long-span shelving with 1,000 rack levels and live storage shelving with approximately 500 shelves for cartons.



"Online food retail presents a number of challenges, and we are pleased that we chose SSI SCHAEFER as our partner for racking. Their team played an important role in the design and implementation of the project, and the results exceeded our expectations."

Vikram Rupani, Co-founder, COO & CFO, RedMart

BienManger.com: Optimized flow of goods with new rack systems

BienManger.com is the French market leader among online delicatessens and offers more than 5,000 items.

The 1,800 m² warehouse is divided into four areas: one for incoming goods, one for storage on pallets and shelves along with two areas for picking and shipping. To improve the goods flow for the warehouse management and picking processes of numerous small articles, SSI SCHAEFER realized a shelving on a 2,400 m², three-level mezzanine. This included 10,830 meters of shelving along with a five-level pallet rack system for storing incoming pallets with 42 storage frames and 624 pallet positions, each with a load bearing capacity of 1,000 kg.

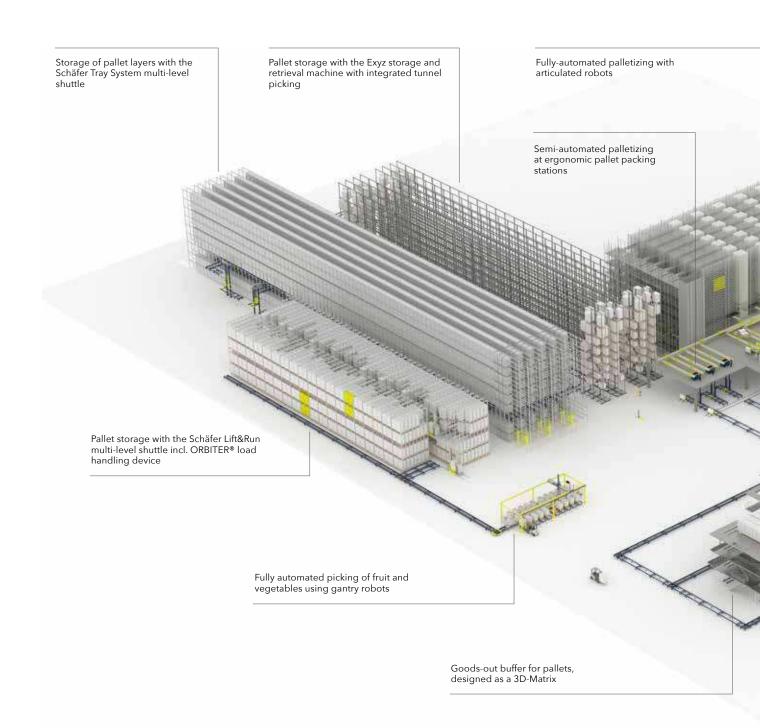


SCHÄFER CASE PICKING: SOLUTIONS FOR ALL DEGREES OF AUTOMATION

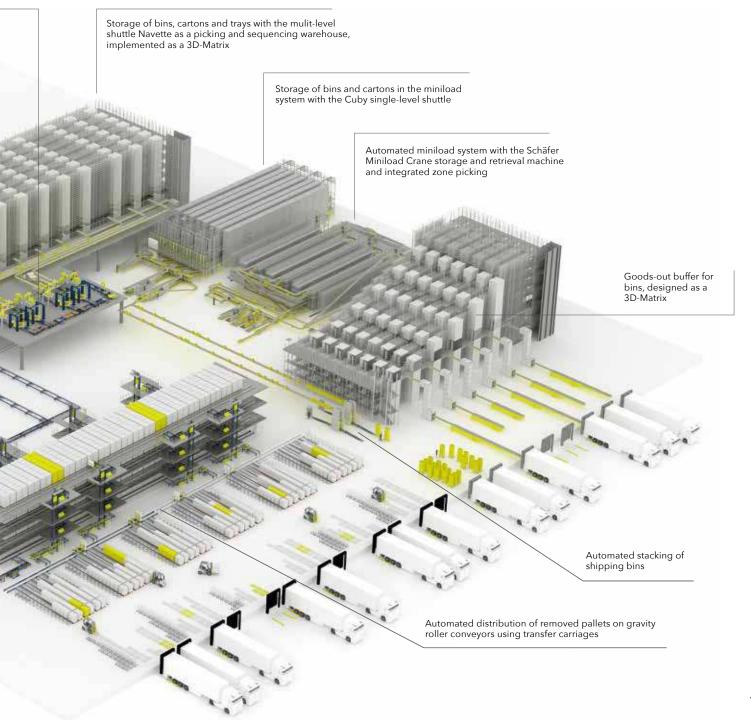
Fully automated, semi-automated or manual - flexible case picking solutions for all requirements

Our technology covers all temperature zones and throughputs. All of the process steps from the replenishment warehouse to depalletizing, picking, sequencing, palletizing or shipping area can be implemented manually or automatically, as shown on the overview table.

The Schäfer Case Picking is based upon proven standard elements. The key factors are your requirements and the practical aspects of the specific project such as availability of warehouse employees, quality of the pallets packaged by suppliers, volatility of the demand or the structural conditions.



Area		Characteristics			
Goods-in		Conventional			
Replenishment warehouse	Automatic	Manual		None	
Depalletizing	Automatic	Hybrid	Manual	None	
Picking warehouse	Single case	Layers		Pallets	
Picking / sequencing	Automatic with 3D-Matrix	Automatic without	3D-Matrix	Manual	
Palletizing	Automatic	Hybrid		Manual	
Goods-out	Automatic	Hybrid		Manual	



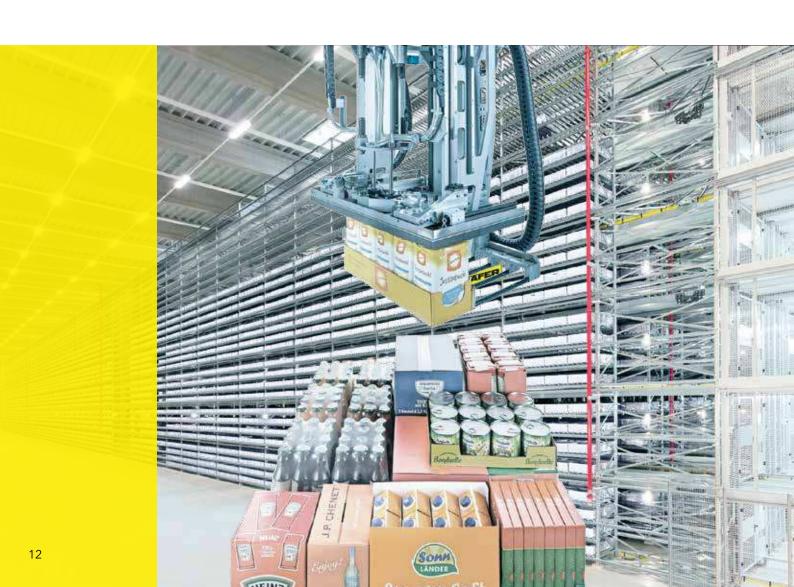
MAXIMUM EFFICIENCY: FULLY AUTOMATED CASE PICKING

The fully automated Schäfer Case Picking system receives entire pallets from suppliers and stores them in an automated high-bay pallet warehouse via conveying systems. Depalletizing is carried out automatically and when required, with robots unloading the pallets either completely or layer by layer.

The layers of the cases are then buffered either completely or individually in an automated picking warehouse. Depending on the requirements, SSI SCHAEFER's single-level shuttles, multi-level shuttles or conventional storage and retrieval machines are utilized.

The picked cases are then transported to the palletizing robots in the correct sequence. These then rapidly and reliably pack the goods onto pallets or into roller containers using

the previously calculated, optimum packing pattern according to the desired optimization targets: store-friendly, maximum stability, minimum volume or a mixture thereof. In the final step, the pallets are wrapped in plastic foil. The finished pallets are automatically transported to the goodsout where they are distributed via gravity roller conveyors or temporarily stored in an automated goods-out buffer.



The perfect pallet.

An efficient logistics should always strive to achieve an optimum that encompasses all of the processes. That is why our solutions optimize the logistics costs throughout the supply chain, not only in the warehouse. Perfectly packaged pallets are an important aspect.

However, the concept of the perfect pallet can differ from customer to customer. Pallets need optimum stability for long transport distances on poor roads. They require volume optimization to reduce the transport costs. If pallets also need to be as store-friendly as possible to accelerate restocking supermarket shelves, then the packing pattern is tailored to the branch layout.

The **Schäfer Pack Pattern Generator** enables the packing layout for each individual pallet and branch to be defined individually and considered automatically.

The sequenced palletizing of all cases is essential to create the "perfect pallet". The temporary stored cases are unloaded in the picking warehouse in a precise sequence. Thanks to the 3D-Matrix this takes place without any performance loss in the case warehouse and without any additional work for subsequent sequencing.

3D-MATRIX Solution®: Dynamics and performance ___



The picking warehouse can be designed for high throughput as an element of the Schäfer Case Picking system using the 3D-Matrix. The patented

3D-MATRIX Solution® is a highly dynamic shuttle warehouse with automated buffering and sequencing. The special design treats the warehousing cube as a system open on all sides, eliminating the front-side bottlenecks at the transfer areas along with the restrictions of conventional solutions. The Matrix consists of three key system components: shuttle vehicles, lifts and conveying systems. They simultaneously serve all three axes and transfer the goods directly to the connected picking or shipping work stations.

MIGROS

Migros: Fully automated deep-freeze warehouse

SSI SCHAEFER implemented one of the world's first fully automated deep-freeze warehouses for Migros Verteilbetrieb Neuendorf AG. The company handled the detail planning, designing the rack configuration for an automatic tray, special tray and in-house high-bay warehouse, including all the conveying systems and numerous other components. The 20,000 m² facility of three levels manages around 1,500 different products. Robots handle the fully automated layer-by-layer depalletizing and branch-specific compilation of pallets. The perfect combination of IT and automated components ensures an extremely efficient material flow with a performance increase of around 30%. As a result, Migros achieves a throughput rate of up to 60,000 cases per day.



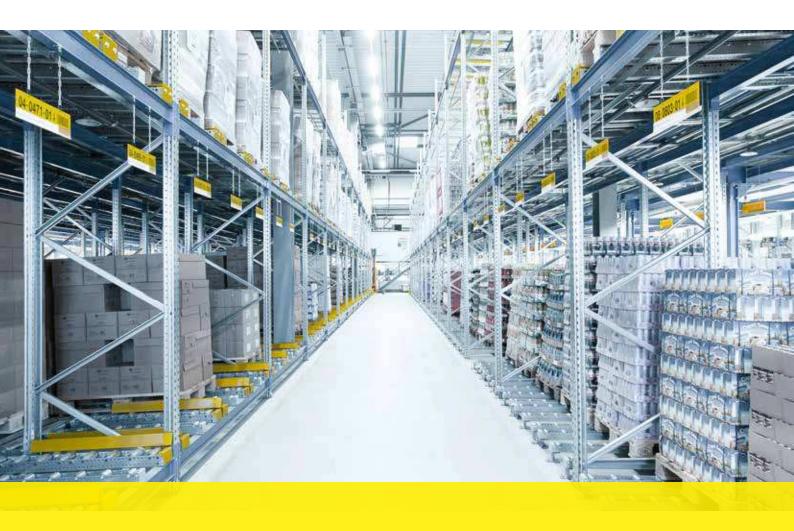
ES3 LLC: Comprehensively automated distribution center

SSI SCHAEFER deployed state-of-the-art technology in the form of the Schäfer Case Picking (SCP) system to modernize the intralogistics for ES3 in conjunction with C&S Wholesale Grocers, one of the biggest food retailers in the USA. In addition to the automation of the warehouse processes, further key factors in the success of this project were the integrated automation of order-specific case picking and readying consignments for dispatch.

Result: A fully automated distribution center offers close to 90,000 tray storage locations in the high-bay warehouse. With separated material flows and picking locations over three levels, it enables the throughput of more than 100,000 cartons per day.



MAXIMUM FLEXIBILITY IN ALL AREAS: SEMI-AUTOMATED CASE PICKING



When throughputs are too low for a fully automated solution, investments need to be kept to a minimum or other reasons oppose a high degree of automation, sophisticated semi-automated concepts still allow efficient storage and picking. The degree of automation and the implementation both depend upon the specific project.

The picking process is often carried out manually whereas the storage, the replenishment supply of the picking warehouse as well as the transport of pallets and roller containers take place automatically. Supporting processes such as identifying and stacking empties and bins are also frequently automated to enable the employees to focus on manual,

value-creating core processes. The market-leading WAMAS® logistics software ensures the intelligent and efficient control of all material flows in the warehouse and functions either independently or in combination with an existing warehouse management system.





Netto: Semi-automated distribution center

SSI SCHAEFER implemented a 20,000 m² semi-automated distribution center for dry goods products in Wustermark near Berlin for the Danish discounter, Netto. The high-bay warehouse for pallets has approximately 9,700 locations for the storing of the entire range of supplies of a typical food discount store. Eight storage and retrieval machines ensure efficient processing.

The composition of orders for Netto stores is carried out with entire pallets from the high-bay warehouse as well as with order-picking pallets. These are compiled in a semi-automated picking area where storage and retrieval machines automatically place the replenishment pallets on gravity roller conveyors supplying them to the pickers as source pallets.

When developing this area, importance was attached to creating a bright, open, and optically pleasant design of these areas. The components of the orders are compiled via low-floor order-picking vehicles in the eight aisles of the picking warehouse according to the person-to-goods principle. The transport vehicles have space for two euro pallets. The picking itself is carried out without paperwork using Pick by Voice.

An electric monorail system and extensive conveying systems designed for both euro and half pallets together with the logistics software from SSI SCHAEFER create a more efficient and economical material flow.

ERGONOMICAL AND FAST: FRUIT AND VEGETABLE PICKING

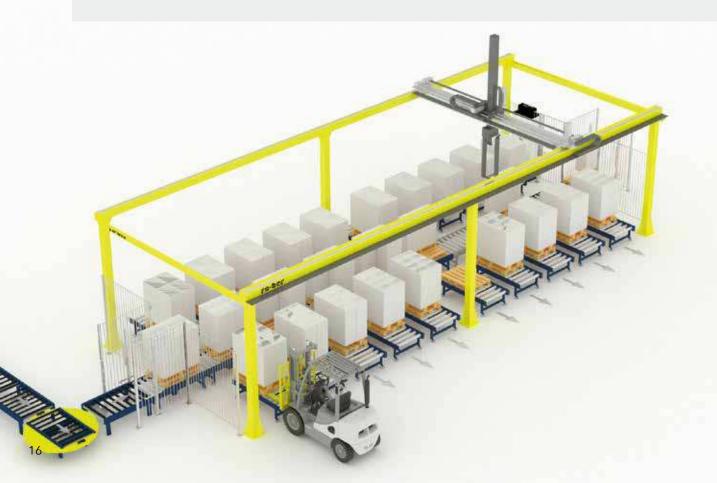
Fruit and vegetables need to be fresh when they reach the customer. That is why the majority of the delivered goods leave the warehouse just a few hours later. Today, fruit and vegetables are primarily picked manually.

This basically causes two challenges: large quantities need to be picked within only a short space of time, requiring a correspondingly large workforce. Lifting heavy individual crates along with the large overall quantities in a short period of time creates ergonomic challenges. SSI SCHAEFER has developed

two concepts for supporting or completely automating the picking process. Both concepts are based on SSI SCHAEFER's proven technology and can be seamlessly integrated into the Schäfer Case Picking.

SOLUTIONS FROM SSI SCHAEFER

- In a semi-automated solution, fruit and vegetable crates are placed on trays and transported to a high-performance shuttle warehouse. The crates are forwarded to ergonomic goods-to-person palletizing stations in the correct sequence. Employees no longer have to lift the crates when they arrive but only push them into the correct position on the pallet. The working height and the height of the pallet can be flexibly adjusted.
- In a fully automated solution, a gantry robot removes the fruit and vegetable crates from the source pallets in piles and places them on the target pallets. Manual intervention is not necessary. The robot's grippers can flexibly handle different packaging types. This enables the fully automated picking of large quantities of fruit and vegetable crates in a short period of time.



IT PERFECTLY MANAGES COMPLEX PROCEDURES

Modern logistics is unthinkable without software-based process optimization and visualization. That is why SSI SCHAEFER developed its own WAMAS® software that shares the same modular design as our solutions. It features standard interfaces to external systems, enabling it to be effortlessly and seamlessly integrated into your existing IT landscape.

WAMAS® manages the complex procedures in manual, semi- or automated warehouses and can be scaled to your precise requirements.

TASKS HANDLED BY WAMAS®:

- · Waveless picking: enables any incoming order to beoptimally integrated into the picking process
- Flexibility up until the very end of the process (loading) even in the event of additional orders or changes
- Control of diverse picking techniques tailored to the product range and the order structure
- Empty and full goods handling, transport aids management (crates, pallets, roller containers, etc.)
- Expiry date and batch management
- Solutions also for temporary work stations during peak times
- Returns handling solutions

- Cross docking: incoming deliveries are recorded, picked and immediately distributed without being stored
- Support of other processes such as quality controls, value added services (e.g. special packaging, labeling, assembly / set formation) and packing processes
- Management support via web-based dashboards, KPIs and the ability to generate figures and dashboards using integrated tools
- · Weighed goods handling: dual stock management for non-leveled weighed goods



Modular logistics concept for EDEKA

The EDEKA Group is Germany's largest food retailer. The Lauenau facility handles the central distribution of foodstuffs. The semi-automated logistics center covers all of the temperature ranges from ambient through a fresh 4 °C to the frosty -23 °C deep-freeze area.

WAMAS® not only controls all the processes in Lauenau. The software is now utilized at more than 30 EDEKA locations. SSI SCHAEFER supplies all the automated components, rounding out the efficient logistics solution.



SPAR (A) Spar: WAMAS® as the group-wide standard

At SPAR Austria's warehouse in St. Pölten, the WAMAS® logistics software manages the entire material flow including the manual picking via radio terminals.

SPAR Austria has declared SSI SCHAEFER's software as the entire group's standard logistics software.

IT SOLUTIONS FOR INTEGRATED PLANNING, CONTROLLING, VERIFICATION, AND COM-MUNICATION



Today more than ever, effective intralogistics operations require close integrations between IT software and intralogistics technologies. Modular software systems are required and need to adapt to communicate with ERP systems. Plus, analyzing material flows in real-time in order to detect problems at an early stage is a must.

WAMAS® logistics software

WAMAS®, the proprietary logistics software from SSI SCHAEFER, fulfills these requirements and more. WAMAS® represents the vital link between goods-in, storage, picking, and outbound delivery, as well as all interconnected process steps. Efficient warehouse operation is ensured thanks to clear visualizations and comprehensive tools for managing processes, resources, and inventory. From the first consultation, right through to the go-live date, we offer an extensive, first-class service wherever you need it.

Certified SAP expertise

As a certified SAP Silver Partner, we can support you in selecting, introducing, and running SAP solutions. With our comprehensive expertise, we ensure the implementation of SAP Extended Warehouse Management (EWM) to your requirements. With us, you have an experienced, SAP-certified implementation partner on your side.

WAMAS® serves as the standard software, connecting all of the intralogistics components to create an intelligent system with serial number and batch monitoring, expiry date monitoring and refrigeration chain safeguarding.

RETROFIT

OPTIMIZING PROCESSES AND SAVING COSTS WHILE INCREASING PERFORMANCE THROUGH MODERNIZATION

Just as some forgotten brands are making a comeback and becoming a real bestseller, your warehouse performance can be increased considerably using new storage technologies and software releases.

Storage and picking processes are easily updated and optimized while costs are reduced. Plus, earlier investments are upgraded with standards that meet current market requirements.

Even if your system is not from SSI SCHAEFER, our team of experts can help bring your current equipment and technologies up-to-date.

BASED ON A COST-BENEFIT CALCULATION, WE OFFER YOU THE FOLLOWING:

- Optimization for all warehouse processes
- Implementation of new picking methods
- Addition of new warehouse areas
- Expansion/modernization of equipment, electrical engineering, and controls
- Software and hardware upgrading

TAILORED SERVICE AND SUPPORT FOR MAXIMUM RELIABILITY

Even when your system is up and running, our experts remain on-hand offering a wealth of experience and a comprehensive range of products providing solutions for every requirement.

KEEPING YOUR PRODUCTS ON THE MOVE WITH PREVENTATIVE MAINTENANCE AND REGULAR INSPECTIONS

- System Monitoring
- Inspection
- Maintenance
- Safety Inspection

WE ARE THERE FOR YOU WHEN YOU NEED OUR SUPPORT

- 24/7 Technical Support
- SSI Augmented Support
- Technicians on Call
- Global Spare Parts Service

SSI Resident Maintenance®

SSI SCHAEFER offers a complete full-service maintenance package, which includes on-site service technicians that maintain and service your equipment.

SSI Augmented Support

The power of real-time mobile video communication enables live transmission anywhere on earth. Let an SSI SCHAEFER support specialists virtually train your on-site technicians live with video and voice.

Service-Portal

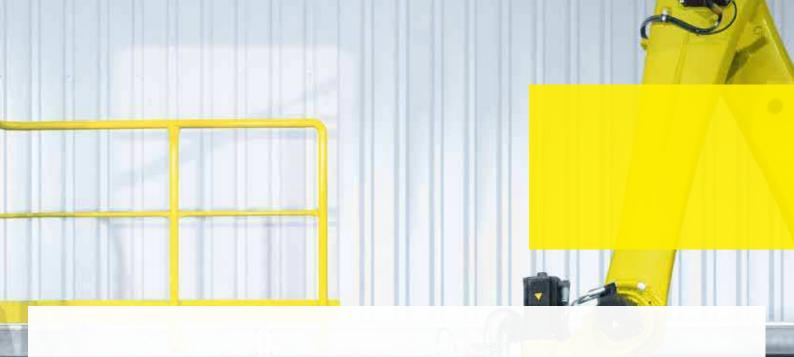
Get easy access to documentation for your complete SSI SCHAEFER system; Computerized Maintenance Management System (CMMS) with paperless documentation of all activities, working time, and material use statistics is available for your entire maintenance team. Plus, SSI SCHAEFER offers online ordering for spare parts 24/7.

Training

Training sessions for your employees are available either at your facility or at an SSI SCHAEFER in-house test location.







SIX REASONS FOR CHOOSING SSI SCHAEFER:

Security:

As a financially independent family business we are committed to long-term solutions. You can trust that we will be there for you tomorrow and in the years to come.

• Efficiency:

Our solutions are scalable and grow with your business. An SSI SCHAEFER solution is a future-oriented investment.

Quality:

As a specialist in automation, we provide a single-source solution. As an original equipment manufacturer we guarantee quality and the right solutions for your needs.

• Reliability:

Thanks to our worldwide Customer Service & Support network we ensure a smooth operation of your system.

Know-how:

Our solutions are always up-to-date with the latest technological standards and are easily integrated into an existing (IT) landscape.

Internationality:

As a globally acting company we have local offices worldwide and our team of experts speaks your language.



ssi-schaefer.com

0917DE © SSI SCHÄFER Printed in Austria. Für Druckfehler keine Haftung. Bildnachweise: shutterstock: S. 2 Minerva Studio, S. 4 wavebreakmedia, S.6 Beautyimage

