

AUTOMATE TO ACCELERATE



COMPLETE SOLUTIONS

for Soldering Processes and
Automated Production Lines



WORKSTATIONS / ASSEMBLY TABLES

Efficient assembly processes start at the workstation. Our modular assembly tables are designed to seamlessly combine productivity, ergonomics, and process reliability. They are suitable for simple packaging tasks as well as the precise assembly of complex components.

Thanks to their consistently modular design, workstations can be precisely tailored to cycle times, component sizes, and material supply. Changes in the production process can be implemented in a structured way without the need to replace entire systems. At the same time, digital inspection steps directly at the workstation ensure sustainable quality assurance and significantly reduce error rates.

The result is a scalable, future-ready assembly environment that grows with your requirements.

KEY BENEFITS:

- Customizable and modular design
- Easily expandable and adaptable
- Plug-and-play for fast integration
- Compatible with AGV systems
- Integration of Assembly Check



Ergonomic workstations for precise assembly processes



Workstation with integrated assembly check

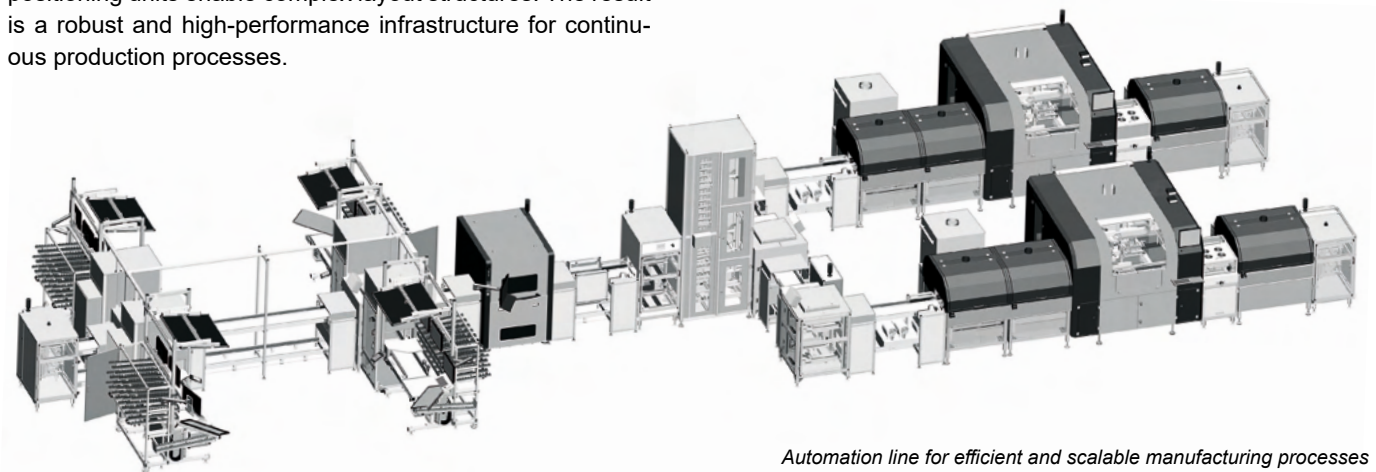
FIXED TRANSFER SYSTEMS

Stable material flow is the foundation of efficient production. Our fixed transfer systems ensure precise, continuous, and repeatable movement of workpieces throughout your manufacturing process. They form the technical backbone of structured production lines and guarantee high process stability – even with increasing output volumes.

Thanks to the flexible combination of different conveyor technologies, both lightweight and heavy components can be transported efficiently. Extensions or modifications can be systematically integrated, ensuring long-term investment security. Additional modules such as transfer, rotation, or positioning units enable complex layout structures. The result is a robust and high-performance infrastructure for continuous production processes.

KEY BENEFITS:

- Tailor-made design and implementation
- Modular and expandable at any time
- Plug-and-play commissioning
- Transfer units and turning stations
- Scalable for growing production volumes



Automation line for efficient and scalable manufacturing processes

FLEXIBLE TRANSFER SYSTEMS WITH CARRYBOTS

Modern production environments increasingly require flexible layouts and adaptive material flow. Our flexible transfer systems with autonomous Carrybots enable dynamic material handling within production without compromising process reliability, while ensuring unrestricted access to all system components.

They are particularly suited for production environments with frequently changing cycle times, varying product requirements, or regular layout adjustments. The systems can be seamlessly integrated into existing line concepts and support the flexible expansion of production cells as well as decentralized assembly areas.



Depending on the requirements, different Carrybot models are available, each designed for specific applications and load ranges. This allows a wide range of use cases to be covered efficiently and reliably.

Designed for reliability and flexibility, the systems ensure high availability and enable rapid adaptation to change – ideal for dynamic markets and increasing product variety.

KEY BENEFITS:

- Line-guided and highly reliable systems
- Individually configurable system components
- Plug-and-play for fast integration
- Quick recommissioning after relocation
- Flexible for dynamic layouts



Station supply and disposal

carrybots

EXAMPLES OF AUTOMATION COMPONENTS

SEHO's automation solutions are built around modular components that can be combined and configured to meet specific production requirements. Handling cells, for example, automate loading, unloading, and assembly operations. Buffer systems provide controlled interim storage and reliable material flow for PCBs and workpiece carriers, while turning units and stack buffers enable the automated handling and transfer of assemblies.

For inspection and further processes, solutions can be equipped with AOI systems for optical inspection, pass/fail sorting, and THT placement systems. Cobots can take over repetitive handling and assembly tasks, while existing or third-party equipment can be integrated via standardized interfaces. By combining these technologies, individual process steps can be automated and seamlessly connected to create efficient production workflows.

Where standard solutions are not enough, SEHO develops customized automation solutions tailored to specific applications. Each concept is designed around the individual processes, products, and production requirements to deliver a solution that fits seamlessly into the existing manufacturing environment.



Fully automated loading and unloading cell with integrated inspection



Handling cell for water pumps



Buffer system with storage compartments

MOBILE STORAGE SYSTEM – STREAMTAINER

The StreamTainer extends production capacity independently of physical location and creates new degrees of freedom in production planning. As a mobile, preconfigured unit, it is ideal for outsourced production areas, temporary expansions, or strategic reserve infrastructure.

Its modular structure enables demand-oriented configuration – ranging from storage and provisioning functions to semi-automated work areas. Even under demanding conditions, in infrastructure-limited regions, crisis and emergency situations, or in unstable supply chain environments, the StreamTainer ensures autonomous and structured supply.

An integrated identification and authorization system ensures user-based access control and full documentation of all withdrawals. Automated dispensing takes place without entering the container. In this way, the StreamTainer combines mobility, automation, and access security into a robust infrastructure outside conventional factory environments – even where stable production conditions cannot be taken for granted.

KEY BENEFITS:

- Configurable storage space for different item sizes and quantities
- Fully automated or manual operation
- Plug & Play – pre-assembled and quickly deployable
- Adaptable to military and governmental requirements
- Maximum access security



Automated material dispensing at the StreamTainer



Quick relocation by truck



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TAKING THE NEXT STEP IN AUTOMATION



GET STARTED

Begin with a quick online consultation. We review your current setup, understand your goals, and identify initial automation opportunities – straight-forward, efficient, and without obligation.



IN-DEPTH ANALYSIS

Take the next step with an on-site analysis. We evaluate your processes, identify shortages, and uncover concrete optimization potential. Together, we define practical approaches to increase efficiency, quality, and reliability.



GET YOUR SOLUTION

Receive a tailored automation concept designed around your requirements. From process optimization and system layout to implementation strategy – we provide a clear path toward a future-ready production environment.



LET'S TALK

Ready to move forward?

Get in touch with our automation experts at automation@seho.de.