

# Vertical Lift Module SSI LOGIMAT®

The dynamic solution for  
ergonomic storage and picking  
of small parts

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## Saving Space, Picking More Efficiently and Working More Ergonomically?

The SSI LOGIMAT vertical lift module can do more than just store: Find out how you can benefit from the many advantages.

The SSI LOGIMAT vertical lift module can be compared to an oversized drawer cabinet with two vertical rows of trays - a front and a rear row. There is a lift system between the two rows which operates the entire height of the vertical storage system to retrieve individual goods and bring them to the operating opening.

The vertical lift module has an opening on the front and enables the selection of a particular tray using a user interface. The tray is conveyed downwards to the opening, where the operator can pick the items safely from the tray.

A total of up to four removal openings can be integrated. The vertical lift modules are a space-saving solution, as the items take up very little space thanks to the vertical storage.

Our customers use the vertical lift modules to store a wide variety of items, from rivets and screws to pharmaceutical products. Moreover, the vertical lift modules offer many options that enable error-free item picking and offer ergonomic advantages for increased picking speed.





# SSI LOGIMAT - Storage and Picking Solution Rolled into One

## SSI LOGIMAT highlights:

- The goods-to-person principle is comfortable and increases efficiency
- The compact design has economic and environmental advantages
- The highest storage density for small parts, up to 90% less storage space
- Increased performance of over 20% through automated processes and ergonomic design
- Simple user guidance and little training time
- It can be individually configured and tailored to your requirements
- Robust machine technology means maximum availability
- Easy connection to SAP with the connect:IT add-on



### Space optimization

Thanks to the high storage density and efficient space utilization, you require up to 90% less storage space



### More picking safety

Reducing costs thanks to error-free picking due to innovative functionality



### More efficient picking

Shorter distances, increased performance - goods-to-person can increase picking performance by over 20%



### More efficiency

Shorter search and transport time, increased occupational health and safety, protection against incorrect stock information for delicate stored goods



### Ergonomic work

Individually adjustable working heights and safety systems reduce absences due to illness and increase employee satisfaction



### Transparency through digitalization

Quick overview, inventory accuracy and traceability of stock simplify stock management and improve storage processes in a sustainable way

# Various Possibilities

## The path to automation with SSI LOGIMAT and WEASEL®

The plastic electroplating specialist C+C Krug GmbH took the path to partial automation of logistics processes together with SSI SCHAEFER. Three SSI LOGIMAT vertical lift modules, two WEASEL-type automated guided vehicles, and a short bin conveying system, ensure efficient processes between warehouse and production.



## More efficiency through conveying systems

The efficient on-site material flow can be simplified by connecting the SSI LOGIMAT to an ergonomically designed conveyor system. The conveying system connects the individual warehouse areas or work stations with each other. Therefore, employees can fully focus on picking at the SSI LOGIMAT.



## Optimized order processing thanks to putwall solution

A strategically positioned putwall system minimizes the distances between storage and packing locations. Each storage location within the putwall system stands for an individual customer order, with light displays guiding the pickers and ensuring precise order consolidation.





As a dynamic system, the SSI LOGIMAT is a future-proof logistics solution



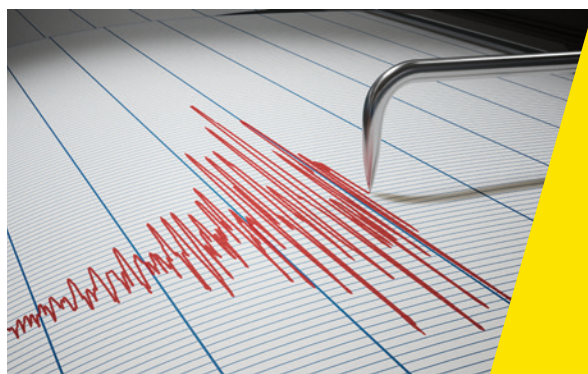
### Up to four access openings possible

If the vertical lift module is to be used across floors or is to be operated from both sides: The SSI LOGIMAT offers up to four access openings and thereby provides maximum flexibility.



### Intelligent design

If necessary, the SSI LOGIMAT can be attached to the outer facade of a warehouse. On the one hand, this design reduces construction costs for warehouse extension - only the cut-out for the access opening must be taken into account on the existing building. On the other hand, the vertical lift module enables independent planning of the machine height.



### Earthquake-proof design

Like many SSI SCHAEFER products, the SSI LOGIMAT is robustly designed and withstands most earthquakes. By default, an acceleration of  $1 \text{ m/s}^2$  is not a problem. However, if the vertical lift module is to be installed in an area with a higher earthquake risk, it can also be adapted to the higher requirements.

# Optimum use of warehouse area with LMB bins

LMB bins were designed for use in vertical lift modules. The bins are optimized for a tray depth of 800 mm and can also be subdivided further with partitions. This facilitates the quick and simple assignment of your stored items.

### Your benefits

- Maximize space by optimally utilizing the tray depth
- No mixing of products
- Available heights: 95 and 195 mm
- Available widths: 100, 200, 400 mm
- Ergonomic access from above
- Light and robust PP material
- Easy to integrate into other vertical lift modules
- Easy to clean

### Advantages of LMB bins with dividers

- Easy snap-in system, easy insertion of dividers
- No mixing of your items, they remain safely in the subdivisions
- Each LMB bin has a depth of 800 mm
- 6 dividers at a distance of approx. 100 mm = max. 7 possible subdivisions
- Tilted surfaces for stickers
- Much quieter and lighter in comparison to conventional metal partitions

## Bin variation

Mix and vary **all five LMB bin sizes** in the vertical lift module as required



Up to 280 subdivisions possible on one tray

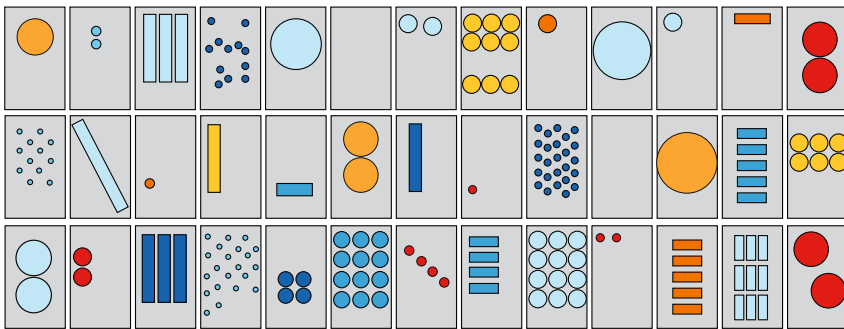
Each LMB bin is delivered with two dividers

Ext. dimensions (LxWxH)	Int. dimensions (LxWxH)	Capacity	Max. subdivisions/bins
800 x 100 x 95 mm	774 x 74 x 93 mm	5.2 Liter	7 subdivisions
800 x 200 x 95 mm	774 x 174 x 93 mm	12.4 Liter	
800 x 200 x 195 mm	774 x 174 x 193 mm	25.7 Liter	
800 x 400 x 95 mm	774 x 374 x 93 mm	26.7 Liter	
800 x 400 x 195 mm	774 x 374 x 193 mm	55.5 Liter	

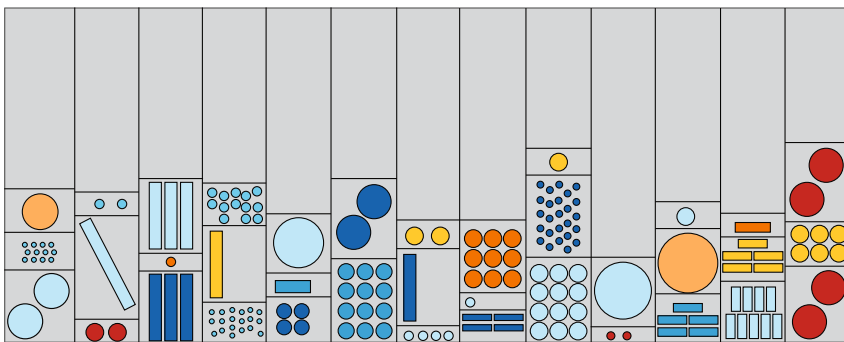




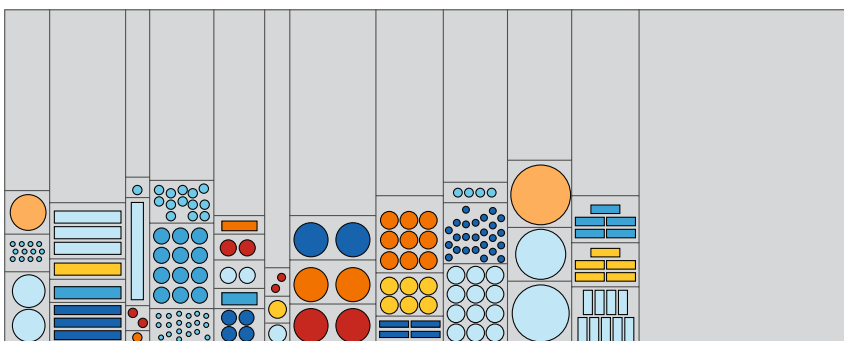
### An example can illustrate this:



Here we see a tray of a vertical lift module with unsystematically distributed containers, some of which are filled in a slapdash way. At first glance, it becomes clear which storage space remains unused.



An initial optimization through the use of flexible partition material could result in significant space savings.



Another step is an optimization of the tableting in terms of width. This saves additional space and significantly increases the capacity of the vertical lift module.

## Height optimization or space optimization?

When it comes to bulkier parts, height optimization is done intuitively. However, practice shows that this usually leaves a lot of volume unused, which can be prevented by optimizing the area. Even if there are situations in

which height optimization makes sense, the majority of storage tasks can be solved by optimizing the area or surface. Because: Any height optimization means unused space.

**For maximum space optimization, suitable storage containers and partition material are required. Which is why there are special storage lift containers with a length of 800 mm, which can be subdivided to the greatest effect. With the help of a professional consultation, the storage capacities can be significantly increased.**

# Hardware Options



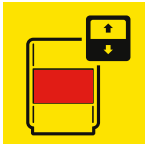
## LogiTilt: More ergonomic retrieval

LogiTilt is a tilting mechanism for the ergonomic retrieval of goods from the tray, thereby reducing the picking depth. The inclination angle can be adjusted individually for each tray - from 10 to 30° in 1° increments.



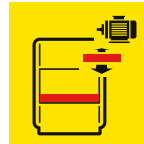
## LogiBar: Simple acknowledgment

The confirmation light barrier under the access opening not only increases the picking speed but also improves warehouse ergonomics.



## LogiGate: More safety and cleanliness

LogiGate is a stable and ball-bearing mounted lifting gate that separates the lift shaft from the access opening and simultaneously protects the stored goods from unauthorized access and soiling.



## LogiDrive: Retrieving heavy loads

LogiDrive is an automatic feature where the tray extends outwards towards the individual. The roller tracks allow smooth and quiet operation. This ergonomic feature is especially suited to heavy items which are to be lifted using a crane, for example.





### LogiDual: Two output levels

Parallel, delayed tray movements for improved performance. While items are removed from the first tray, the next tray is already transported to the access opening.



### LogiPointer: Efficient aid for retrieval and loading

Reduction of picking errors using the LogiPointer option. The exact storage position is shown by means of a laser pointer.



### LogiPull: Full extraction of tray

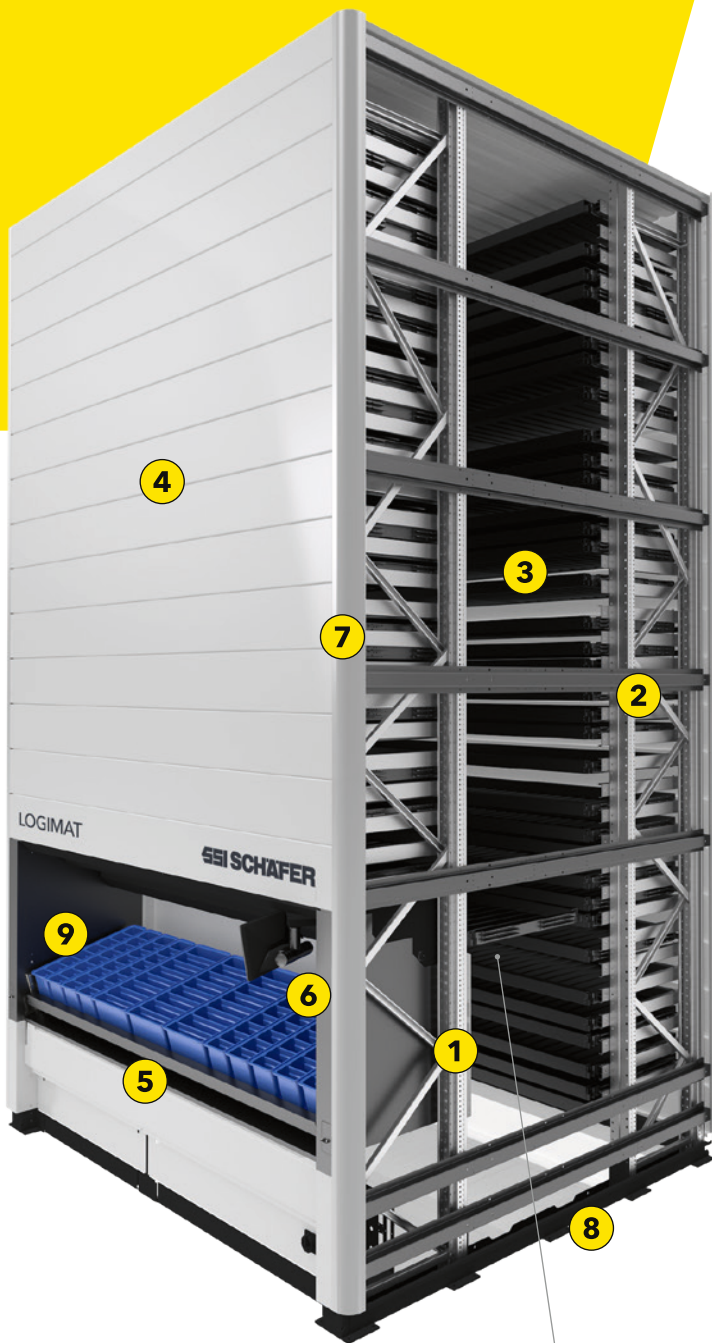
LogiPull is a manual, full pull out tray function with two foldout tray mounts. These mounts fit onto the racking uprights, but fixation to the floor is not necessary. The access opening and the folding handles fit with the roller tracks, which minimizes the manual force of the tray extension.



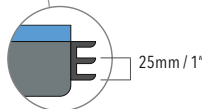
### LogiWork: Optimum retrieval height

When designing ergonomic work stations, different body sizes have a decisive influence on posture. Using LogiWork, the height of the tray can be adjusted to suit the individual operator. Stooping or stretching are avoided.

# Technical Data



1. Light grid for height measurement
2. Stable frame construction
3. Flexible tray concept
4. Variable metal sheet cladding
5. Ergonomic access opening
6. Intuitive touch screen
7. Aluminum corner profile
8. Two-sided shaft monitoring
9. Safety light grid



Minimum height	Maximum height*	Tray load capacity	Machine load capacity
2,450 mm	up to 23,850 mm in 100 mm increments	up to 700 kg	up to 60 tons (higher load capacity available upon request)

\* Higher version available on request

Available tray dimensions (mm)	Width (A) incl. paneling (mm)	Depth (B) incl. paneling (mm)
1,825 x 625	2,370	2,712
1,825 x 815	2,370	3,092
1,825 x 1,323	2,370	4,616
2,025 x 625	2,570	2,712
2,025 x 815	2,570	3,092
2,025 x 1,323	2,570	4,616
2,425 x 625	2,970	2,712
2,425 x 815	2,970	3,092
2,425 x 1,323	2,970	4,616
2,825 x 625	3,370	2,712
2,825 x 815	3,370	3,092
2,825 x 1,323	3,370	4,616
3,025 x 625	3,570	2,712
3,025 x 815	3,570	3,092
3,025 x 1,323	3,570	4,616
3,225 x 625	3,770	2,712
3,225 x 815	3,770	3,092
3,225 x 1,323	3,770	4,616
3,625 x 625	4,170	2,712
3,625 x 815	4,170	3,092
3,625 x 1,323	4,170	4,616
4,025 x 625	4,570	2,712
4,025 x 815	4,570	3,092
4,025 x 1,323	4,570	4,616

Height-adjustable tray in 25 mm/1" increments



## Standard paneling colors

**RAL 5014** (Pigeon blue)    **RAL 9010** (Pure white)    **RAL 7024** (Graphite gray)    **RAL 7035** (Light gray)



Other colors available upon request. Color deviations may occur due to monitor or printer settings.

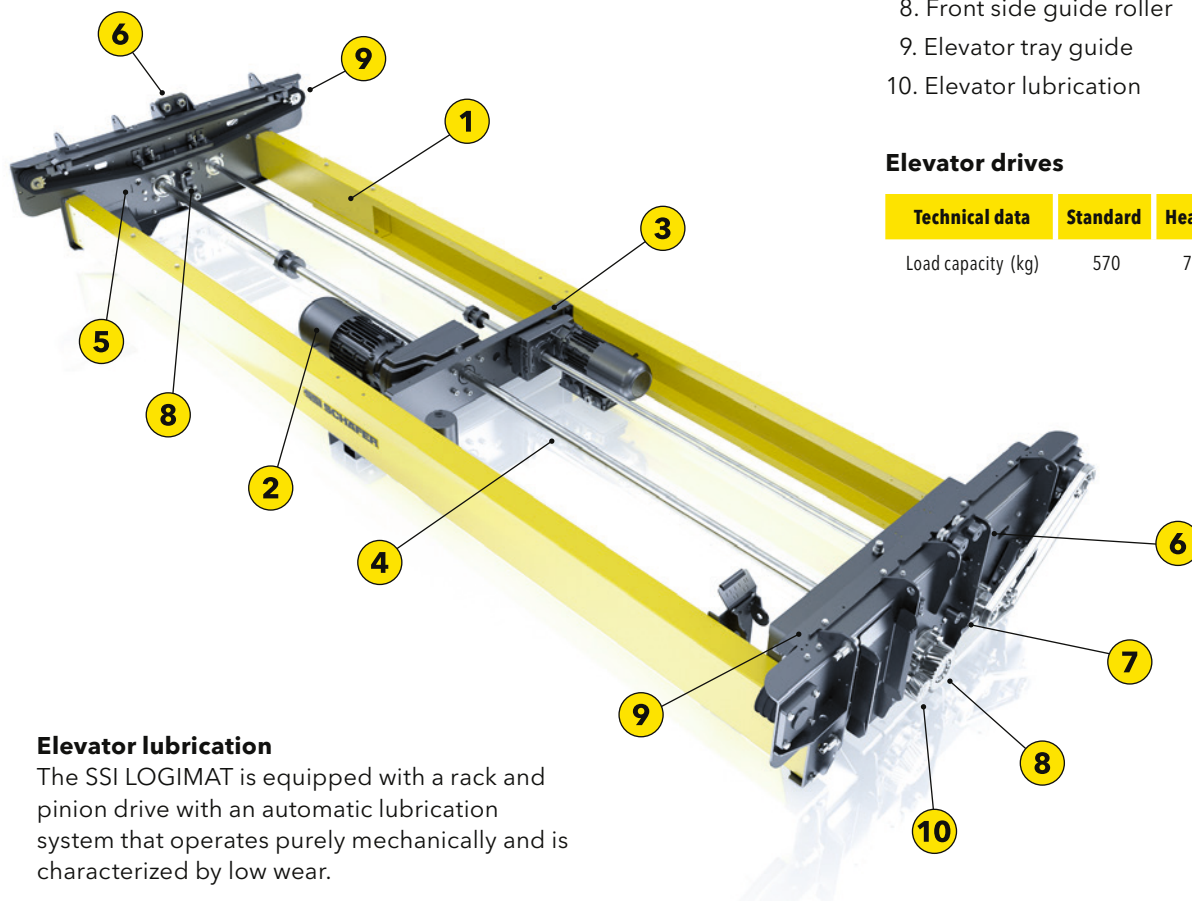


## Power supply

Lenze asynchronous motor with 4 kW or 11 kW, depending on the type of drive. There are 4 drives:

- Standard
- LogiHeavy
- LogiFast

Technical data	
Power supply	480 V +/- 10 % 60Hz, 3l / PE
Electrical protection	25 A - 40 A
Max. power	12kva - 21kva
Control voltage	24VDC



### Elevator lubrication

The SSI LOGIMAT is equipped with a rack and pinion drive with an automatic lubrication system that operates purely mechanically and is characterized by low wear.



### Components of the elevators

The elevator is moved by a flat geared motor that transmits the power directly to the shaft and pinion of the gear rack. Two different gear drives are used in order to guarantee optimum performance with every tray movement.

1. Telescopic crossbeams
2. Elevator motor
3. Motor carrier
4. Elevator shaft
5. Elevator flange bearing
6. Elevator guiding mechanism
7. Locking pin
8. Front side guide roller
9. Elevator tray guide
10. Elevator lubrication

### Elevator drives

Technical data	Standard	Heavy	Fast
Load capacity (kg)	570	700	700

### Advantages

- Maximum availability thanks to robust technology
- Minimal maintenance thanks to automatic lubrication
- High positioning accuracy without sensor technology that is susceptible to faults

# Software



From simple applications to complex warehouse management: SSI LOGIMAT is the solution for your use case.

SSI SCHAEFER's vertical lift module can be operated as an autonomous system or can be connected to a superordinate system. We offer several options for this:

- Integrated standard controls
- LOGIONE: Easy storage location and item management
- WAMAS Lift & Store
- SAP integration with connect:IT

SSI LOGIMAT vertical lift modules are also compatible with third-party software

## Basic functions at a glance

- Tray request and delivery
- On-screen keyboard
- Intuitive graphical user interface (GUI)
- Updates possible
- Remote maintenance
- Simple user training





## Integrated Standard Controls

Organization, inspection and safety.

SSI SCHAEFER's vertical lift module, SSI LOGIMAT is equipped with a programmable logic controller (PLC) by default, which represents the first step towards IT-supported warehouse management. It is operated via a graphical user interface. The PLC enables easy access to stock and trays where picking is made possible via virtual network computing (VNC).

VNC is the first step towards computer-aided warehouse management. It is operated via a self-explanatory user interface and communication takes place in real-time. The standard PLC controls all drives via frequency control, prevents overload, monitors the stored goods and ensures reliable operation. A screen shows the device status, and functions are also displayed. Intuitive symbols allow for easy user interaction.



Intuitive interface for easy picking and storage



# LOGIONE



## LOGIONE: One Vertical Lift Module - One Software

The alternative for easy storage location and item management

LOGIONE is the first step towards digital warehousing! The new option for the SSI LOGIMAT offers very easy storage location and item management in user-friendly dialogs.

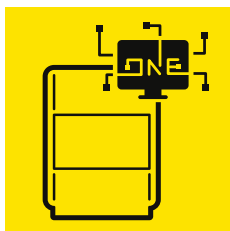
Conceptualized as an isolated application, that is, without a connection to an ERP system, LOGIONE can be implemented for simple warehouse applications or tool administration. LOGIONE searches for and finds items and lets you pick and store warehouse materials. Its intuitive interface also offers user management and a transaction log.

Depending on the application, the software offers item and storage location management and can implement barcode scanners for the retrieval or storage of items. User management, transaction logs, support for SSI LOGIMAT options like LogiTilt, LogiPointer,

LogiWork are just some of the LOGIONE functions. LogiDual is, however, not supported.

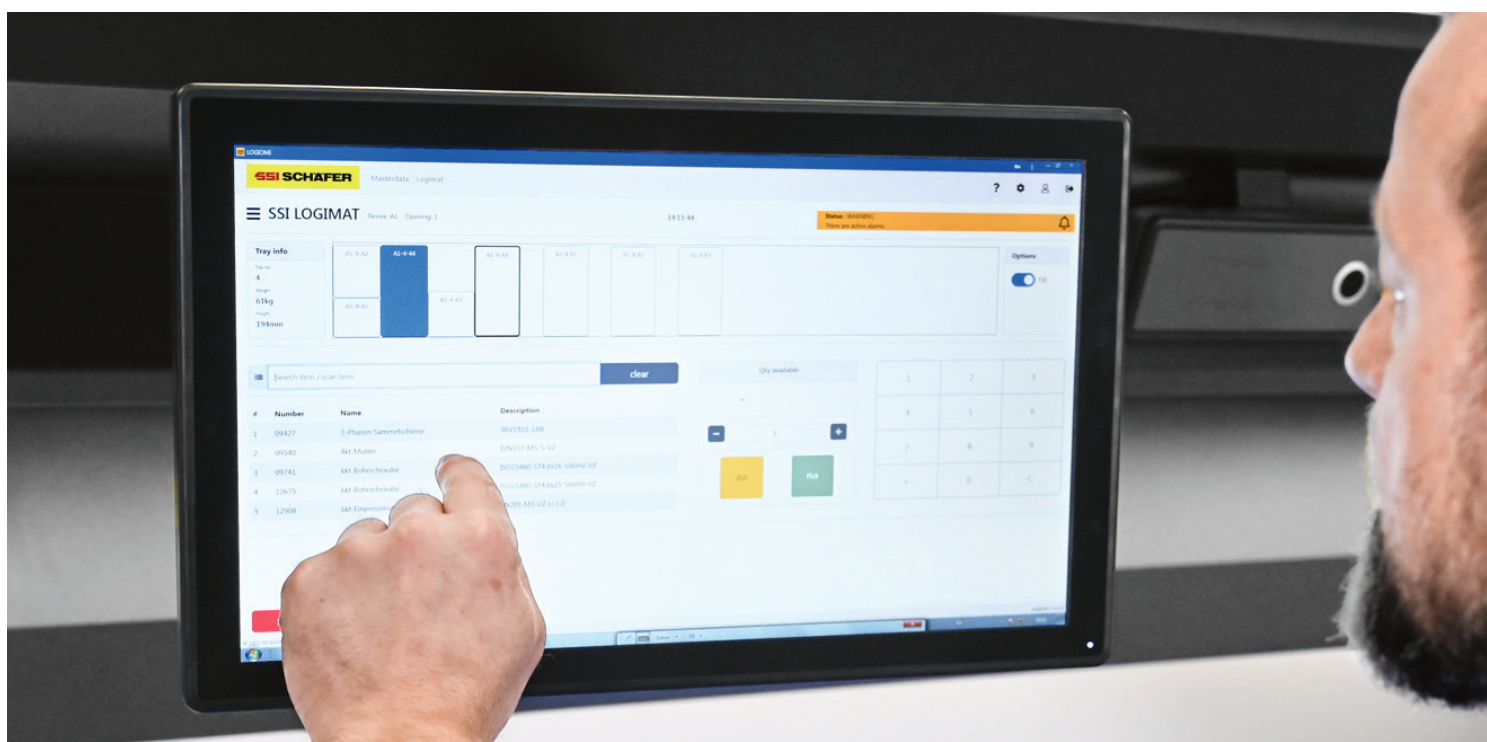
Users can simply store or pick items, and the visualization of storage compartments and locations is also supported, which makes picking and storage practically error-free. LOGIONE is an innovative solution as a first step towards the digital transformation of warehouses. Focused on this and conceptualized as a simple and clear system, it offers neither advanced storage strategies nor complex order management.

It is exclusively possible to use LOGIONE on the SLL-type SSI LOGIMAT, which has LogiDrive installed and at least a 12" display. LOGIONE can only manage one vertical lift module unit. The combined management of several SSI LOGIMAT or the integration of other vertical lift modules is, however, possible using our intralogistics software, WAMAS Lift & Store.



### LOGIONE: What the software offers

- User management
- Management of box and tray layouts
- Master data import/export (Excel)
- Transaction log
- Saving and retrieving items
- Finding empty storage locations
- Scanning barcodes
- Support for LogiPointer, LogiTilt and LogiWork
- Up to two access openings



### Everything at a glance

- Isolated application - no connection to an ERP
- Simple storage location and item management
- No training required
- Free download, free use
- Supports most SSI LOGIMAT options
- Intuitive operation



Yes, I would like to use LOGIONE!  
Scan the QR code or click on it.

## WAMAS Lift & Store - the Software Solution for Item Management With One or More Vertical Lift Modules

Vertical lift modules are an efficient solution as they require particularly little space thanks to the vertical storage of items. They can be used for a wide variety of small parts. For example, screws or pharmaceutical products. Moreover, the vertical lift modules offer many options for error-free picking at high picking speeds.

In order to be able to tap the full potential of a vertical lift module, smart software is required. The WAMAS Lift & Store software optimally complements the functionalities of the vertical lift module using clever item and order management. During order processing, employees are guided via touchscreen.

Errors are virtually excluded, and the picking performance is significantly increased. WAMAS Lift & Store can not only be used for the SSI LOGIMAT vertical lift module, but is also compatible with vertical lift modules from other suppliers.

### Benefits to you at a glance

- **Easy to start, easy to upgrade:**  
Simple implementation, modular, scalable and future-proof
- **Intelligent system solution:**  
Optimized storage location management in combination with strategically meaningful, efficient management of items and orders
- **Easy operation:**  
Intuitive user guidance via touch panel with clear information on the items to be picked and their quantity
- **Absolute reliability:**  
Unrestricted control through visual monitoring of access, tray loading and tray weight
- **A proven standard:**  
WAMAS Lift & Store is based on the established logistics software, WAMAS, and is used successfully in various industries worldwide. For the SSI LOGIMAT vertical lift module, WAMAS Lift & Store is the software preferred by customers



# Software for Safe Control and Management of Small Parts Storage

WAMAS Lift & Store makes optimum use of the vertical lift module's performance with clever item and order management.

Depending on the requirements, the software offers the option to manage items or to integrate barcode scanners. This allows items to be stored and retrieved and the stock to be secured at the same time. Through special algorithmic approaches, an optimized grouping of items can be achieved. This is how whole system performance can be immediately increased.

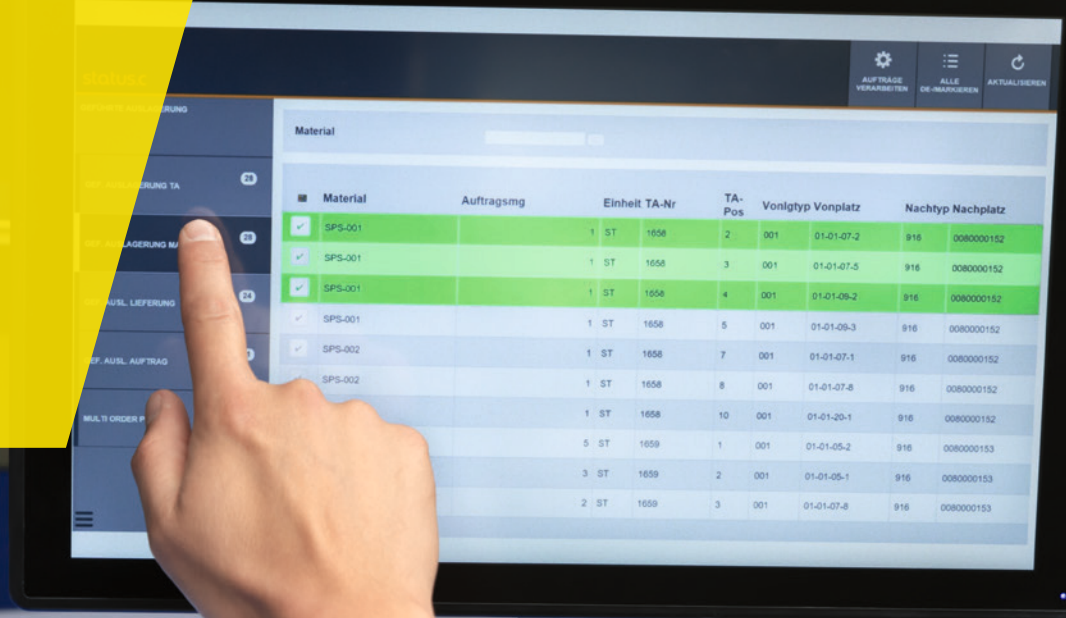
WAMAS Lift & Store can be flexibly integrated and enables a scalable path to automation. The integration and control of several warehouse lifts in a network can also be easily implemented at any time. Harmonized processes and minimized picking times are further advantages of our software solution.

## Key Functions:

- Management of users, items and storage locations
- Working with barcode scanners and label printers
- Batch management & best-by dates
- Intelligent storage strategies (including FIFO and LIFO)
- Statistics and reports
- Pick by light / put to light

 **WAMAS**<sup>®</sup>

SAP

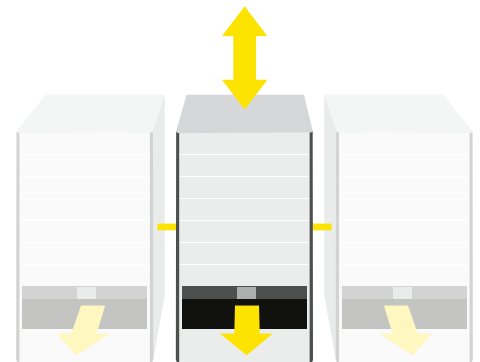


# SAP for SSI LOGIMAT

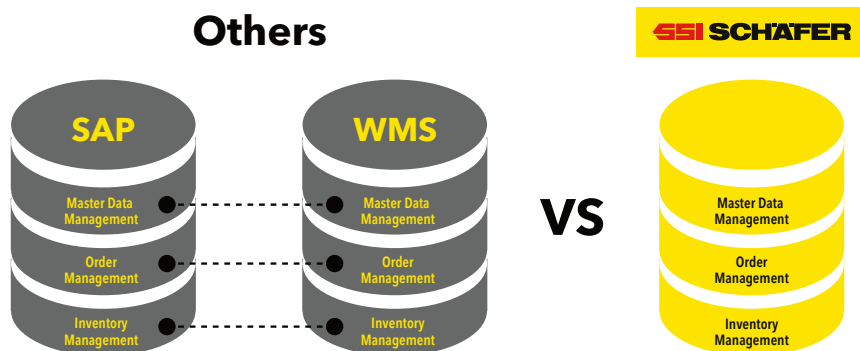
Connect:IT - all the important functions of a vertical lift module with SAP connectivity.

Do you require continuous stock reliability with registration and posting in real time using a simple integrated application? Connect:IT integrates SSI LOGIMAT vertical lift modules in already existing SAP warehouse applications. connect:IT practically combines master data, order and stock management in one module. They are displayed and managed in real time as part of a secure infrastructure.

With connect:IT, it is simple to use a multitude of functions with plug-and-play. Continuous user and authorization management, order prioritization and processing of express orders are typical examples. System operators can however also use more complex functions. Configurable strategies for redundant and/or chaotic warehousing or sequence optimization and dynamic zoning for assembly or kitting processes are possible. This is a solution for global use in your warehouse management.



Get significant added value with plug-and-play functions



### Advantages of WAMAS Lift & Store in connection with connect:IT

- World-leading software system
- No interface risks
- Relevant functions are already included within the standard design
- Comprehensive warehouse management, compatible with the SAP ERP system
- S/4HANA® compatible
- SSI SCHAEFER offers all from a single source
- Continuous user and authorization management
- Intuitive, simple operation thanks to a step-by-step user interface
- Order prioritization and processing of express orders
- Configurable strategies for redundant and chaotic warehousing
- Modular structure of processes and bundling of control functions
- Sequence optimization and horizontal optimization
- Dynamic zoning
- Simple posting of actual quantities and deviations via touchscreen
- Manual input or input by scanning the barcodes

## Advantages of connect:IT

### Easy modular connection

90% of standard processes only require simple plug-and-play.

#### connect:IT Storage

- Manual storage
- Picking to cost center
- Picking to internal order
- Inventory counting

#### connect:IT Tool management

- Manual storage
- Manual picking
- Return transport

#### connect:IT Maintenance

- Manual storage
- Picking to cost center
- Picking to PM order
- Returns from cost center or order

#### connect:IT Shipping

- Guided storage
- Multi-order picking with PTL/picking trolley

#### connect:IT Production supply

- Guided storage
- Kanban supply
- Picking for production order
- Return transport

## Third-Party Software

Control the SSI LOGIMAT with your own software.

The trays can be controlled with customer-developed software using the LogiDriver interface. The LogiDriver option is an interface based on the TCP/IP protocol. The precise specifications can be obtained from our local specialists.





The operation of several SSI LOGIMAT vertical lift modules requires only a small number of staff.

## Numerous Areas of Application

The SSI LOGIMAT grows with its requirements and is the perfect logistics system for both small and medium-sized companies and global players

### **The advantages of SSI SCHAEFER:**

- Higher productivity, reliable technologies, various deployment options and all components from a single-source.



### **No installation limits**

With its compact design, the SSI LOGIMAT vertical lift module adapts to all structural conditions and fulfills a range of customer requirements. Whether separate storage and retrieval sides, double-sided storage, retrieval one floor higher, across several floors with a roof opening or sunk into the floor - there are no limits.

### **More efficiency with conveying systems**

Integrating the SSI LOGIMAT into ergonomically designed conveying systems simplifies efficient internal material flow. The conveying system connects individual warehouse areas or work stations with each other. Therefore, employees can fully focus on picking at the SSI LOGIMAT.

Several SSI LOGIMAT vertical lift modules can be used for the picking and storage of the items. Further warehouse areas can be connected with tailored conveying systems.





# Case Study



The plastic electroplating specialist C+C Krug GmbH took the path to partial automation of logistics processes together with SSI SCHAEFER. Three SSI LOGIMAT vertical lift modules, two WEASEL-type automated guided vehicles, and a short bin conveying system, ensure efficient processes between warehouse and production. The warehouse equipment has been designed for expansion.

When C+C Krug contacted SSI SCHAEFER, the new warehouse was under construction. It was therefore high time to plan the storage equipment for the future warehouse. The medium-sized company C+C Krug GmbH headquartered in Ottendorf-Okrilla, Saxony, Germany, was founded in 1991 and specializes in plastic electroplating. Sophisticated coating systems are realized from parts construction to sample processing to serial production. C+C Krug produces coating

systems for automobile interiors and exteriors in high gloss as well as customized in matt tones. These were the requirements that C+C Krug communicated to SSI SCHAEFER using the contact form on the website. "The fast response time of SSI SCHAEFER was unique," says Christian Krause, Head of Logistics at C+C Krug GmbH. "Only one or two days after my inquiry, I got a call from the responsible sales representative and a week later we scheduled an on-site visit."



[Click here for the video](#)



We could increase the availability speed by 90 %, while picking times were reduced by 50 %. In total, we look back at great cooperation with SSI SCHAEFER, communication went extremely well in this cooperation. We plan the next expansion for the near future.

**Christian Krause**  
Head of Logistics at C+C Krug



Shortly afterwards, the companies were in the projecting phase. For this purpose, the SSI SCHAEFER experts first gained an overview of the number of items and the dimensions of the parts to determine the overall volume. Among the parts in stock at C+C Krug are, for example, accent moldings, outer moldings and other design elements that are applied to the inside or outside of a car. Some of the parts are bulk goods of approx. 1,000 to 2,000 parts per small load carrier (KLT).

Furthermore, the entire processes were monitored and analyzed. Based on time studies, intralogistics emerged as the medium for process optimization. If the raw material did not arrive at the production workstation in time, idle times occurred. SSI SCHAEFER presented the customer with three different logistics concepts, based on a manual, semi-automated or automated solution. C+C Krug opted for a solution consisting of three SSI LOGIMAT vertical lift modules, a carton and bin conveying system, two Weasel-type automated guided vehicles (AGV) and two transfer locations. The warehouse concept has been designed for expansion to be carried out over various expansion stages.

### Impressions of the partnership

- Picking times were reduced by 50%
- Shorter travel times for staff thanks to high storage density
- Saving time as a result of switching to goods-to-person principle
- Increase in availability speed by 90%
- Fast implementation, uncomplicated cooperation
- Safe and barrier-free connection between warehouse and production area
- Space and surface area can still be used flexibly
- Satisfied staff thanks to ergonomic product design



# Case Study

As a manufacturer and supplier of systems packed with leading technology, Muller Martini provides services to the global graphics industry. The company develops market-oriented solutions based on their customers' needs. Drawing on decades of experience and a high level of technical expertise, Muller Martini constantly sets new benchmarks with its innovations.

Muller Martini offers high-quality system solutions and first-class services for industrial applications in the graphics industry, with a global sales network and production sites in Switzerland, Germany, the USA, and China.

Muller Martini Print Finishing Systems AG in Zofingen, Switzerland, is the world's leading manufacturer of machinery and systems for print processing and newspaper logistics in the offset and digital printing segment. The systems are developed, manufactured, and marketed in Zofingen.

The company's site in Felben, in the Swiss Canton of Thurgovia, is also a center of excellence for adhesive bonding. Muller Martini Book Technology GmbH in Bad Mergentheim, Germany, is home to the company's Print Finishing Business Unit, where systems for hard cover production are manufactured. The storage of spare and

technology parts as well as the storage of assembly parts has been centralized at the Zofingen site over the last few years. The lift modules which were dismantled at former plants and sites have been re-assembled and consolidated in Zofingen.

Muller Martini knew from experience that storage in lift modules was an optimal solution for their business, which is why the decision was made to strip down the existing, narrow lift modules and replace them with new, innovative SSI LOGIMAT vertical lift modules from SSI SCHAEFER.

The Zofingen site houses a total of 69,000 materials needed for production, with over half of them stored in the 17 vertical lift modules. With 51,600 storage locations, the vertical lift module installation in Switzerland is the largest of its kind.



[Click here for the video](#)



"SSI SCHAEFER offered us a complete solution that fully meets our requirements. The SSI LOGIMAT is a robust product boasting the latest technology and the solution offered for integration into our SAP environment really impressed us."

**Roland Habermann**

*Head of Order Logistics, SAL, OEM Purchasing  
at Muller Martini Druckverarbeitungs-Systeme AG*

**MÜLLER MARTINI**

The spare parts and components handled on a daily basis (approx. 300 different items) are delivered to quality control, or are taken directly to the assembly area or warehouse, depending on the requirements. An incoming goods transaction and a transport order are generated via ERP (SAP) for those parts that are delivered straight to the warehouse. The goods are then transported to the SSI LOGIMAT for storage with the accompanying documentation.

If an assembly order is planned and recorded in the ERP system, a picking order is generated and provided to the employees. The barcode printed on the picking order is read by the barcode scanner on the SSI LOGIMAT. The required components are now provided by the SSI LOGIMAT. Every time an item is removed, the process is acknowledged using the LogiBar. The lift system needs to generate the retrieval process for the parts in ascending order by storage location and SSI LOGIMAT to ensure efficient picking.

### Project objectives

- Provision of a storage area of 2,600 m<sup>2</sup> for the storage of approx. 48,000 items
- Dismantling of existing vertical lift modules and setting up the SSI LOGIMAT vertical lift modules during regular operation
- Integration of the vertical lift modules in the SAP environment using connect:IT

Once the order has been fully picked, the components, which are gathered on a carousel carrier, are sent for removal in the relevant area. The goods are then delivered via internal transport to the previously defined assembly address, where the parts are installed accordingly.









# Service & Support

To keep everything running smoothly.

At SSI SCHAEFER, customer satisfaction is not an empty phrase, rather it is what drives us. Our service team, consisting of highly qualified SSI SCHAEFER employees, is ready to offer you the best support. We take pride not only in being one of the market leaders in our industry, but also in providing incomparable service that exceeds your expectations.

The SSI LOGIMAT is known for its long-lasting design and high-quality components, requiring extremely little maintenance. But, just in case, our worldwide Customer Service & Support is always on hand to ensure that your system is always ready for operation. Count on us - we are there for you whenever you need us!



## Our Services

- Troubleshooting on site
- Preventive maintenance
- Permanent system surveillance
- Regular inspections and safety tests
- Worldwide replacement parts service
- Complete documentation
- Analysis possibility
- Targeted training and certification
- Customized modernization measures

# Six Reasons for Choosing SSI SCHAEFER

## ■ **Stability**

As a financially independent family business, SSI SCHAEFER is committed to long-term solutions. You can trust that our team of experts will be there for you today, tomorrow and in years to come.

## ■ **Efficiency**

SSI SCHAEFER solutions are scalable and able to grow with your business. You can always upgrade or retrofit.

## ■ **Quality**

As a systems specialist and original equipment manufacturer, SSI SCHAEFER provides tailor-made and high-quality solutions from a single source, specifically designed to meet your challenges.

## ■ **Reliability**

Thanks to our worldwide Customer Service & Support network, SSI SCHAEFER ensures smooth operation of your system, both during and after installation.

## ■ **Know-how**

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

## ■ **Internationality**

As a global organization, SSI SCHAEFER has local offices worldwide. With approx. 80 operating companies our team of experts speaks your language.

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