LOGIMAT® SLL VERTICAL LIFT MODULE

New and advanced technology for the storage and order picking of small parts.

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01 COMPACT
- The compact design makes maximum use of available room height.
- Continuously variable storage of trays in a 25 mm grid.
- Visual, automatic display of capacity utilization and an overview of filled and empty trays in the vertical lift.
- Defragmentation and re-localization of the stored trays.
- Storage strategy with FIXED height for highly compressed storage.
- Storage strategy with intelligent height optimization (IHO).

02 SAFE
- Automatic product dimension verification.
- Vertical shaft monitors protruding trays before starting the elevator.
- Safety light barrier prevents inside access during operation.
- Predefined access permission to trays and functions.
- Intelligent lighting in every operating opening.
- Programmable logic controller (PLC).
- Tilt mechanism for ergonomic retrieval of goods.
- The height of the output tray is adjusted to the height of the employee.

03 ROBUST
- Low-maintenance system thanks to high-quality components and robust design.
- Elevator drive with low-maintenance gear drive.

OVERVIEW

WHY A VERTICAL LIFT MODULE (VLM)?
The LogiMat® SLL is the new Vertical Lift Module from SSI SCHAEFER. The all-in-one storage and picking solution incorporates a number of functions and unique features for customization. The LogiMat® not only improves the performance of your storage processes, it also guarantees ergonomic and safe operations in your warehouse. The LogiMat® can be used as an autonomous system or integrated into a wider picking application. It is intended for all companies seeking a high-performance storage and picking system with the most pertinent functions.

THE ADVANTAGES
- Highly convenient “goods to person” concept.
- Floor area required for storage reduced by up to 90% compared with conventional static storage solutions.
- Performance improved by more than 20% with automated processes and ergonomic design.
- Compact design has economic and environmental advantages.
- Makes optimal use of available room height.
- Travel times reduced by more than 70%.

EXCLUSIVE LOGIMAT® FEATURES
- Rack & Pinion Drive System: SSI SCHAEFER’s Rack & Pinion Drive System is an exclusive feature that creates several productivity benefits including no tray misalignment, lower maintenance and reduced downtime.
- Ergonomic Picking Operations: LogiTilt is a tilt mechanism for the ergonomic removal of goods and reduces operator reach depth. It is paired with automatic tray height adjustment based on the operator of the machine.
SOFTWARE

CONTROLS
The LogiMat® from SSI SCHAEFER is equipped with a programmable logic controller (PLC) that represents the first step in computer-aided warehouse management. This is operated with a graphical user interface. The standard PLC controls all drivers via frequency control, monitors stored articles, and ensures reliable operation with up to four operating openings per vertical lift module.

Driver
Would you like to control the LogiMat® vertical lift module with your own ERP system? Then the Driver control option is just right for you! With this control option, the LogiMat® trays can be controlled with customer-developed software. The Driver option is an interface based on the TCP/IP protocol.

WAMAS LogiMat®
WAMAS® is SSI SCHAEFER's total solution for the LogiMat® control and IT technology. Its extensive core functionality includes user management, article management, article images, location management, drag and drop container and tray management, bar code scanners, and label printer integration, lot management, best before date, storage strategies (including FIFO, LIFO), counting function, statistics and reports, pick by light, and put by light.

It can also be extended to include:
- Controlled access to individual trays and articles through assignment of user rights and user groups.
- Tray weight control.
- Visual monitoring of the tray load.
- Velocity management.
- Varying elevator speeds adapted to stored articles.

WAMAS LogiMat® Enterprise
In addition to all the features included in the LogiMat® version of WAMAS®, the Enterprise module article inventories and orders are automatically synchronized between the ERP or higher level warehouse management system and the WAMAS LogiMat® Enterprise software. It also provides order handling, storage, picking and inventory orders, parallel picking at multiple vertical lift modules and order prioritization.

TECHNICAL DATA

Dimmensions

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<thead>
<tr>
<th>Usable dimensions (mm)</th>
<th>A Width (mm) including paneling</th>
<th>B Depth (mm) including paneling</th>
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<td>1.825 x 625</td>
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Minimum height: 2,450 mm

Maximum height: up to 2,850 mm in 100 mm increments

C Height of operating opening: 1,950 mm (depending on levelling)

Tray load: up to 650 kg

Machine load: up to 600 kg in standard design (higher load capacity possible upon request)

Standard paneling colors:
- RAL 5014 pigeon blue
- RAL 9005 pure white
- RAL 7024 graphite gray
- RAL 7035 light gray

OPTIMAL TRAY USE
SSI SCHAEFER offers a nearly unlimited selection of sorting accessories. The standard trays can be supplemented with items from the comprehensive plastic box selection, entirely according to your needs.

Tray design with frame and base

Trays height-adjustable in 25 mm increments

A brilliant organizer for every warehouse: Rack boxes

Cleverly organized with the classic top seller EUROFIX (EF)
Expand the functionality of your vertical lift as needed with three predefined options packages. The LogiMat® can be easily and practically adapted to your requirements with regard to ergonomics, performance and maintenance. By selecting an options package, you also profit from an advantageous cost-benefit ratio. All vertical lift options are of course also available individually. This allows you to precisely assemble the type of LogiMat® you want and configure it to your needs with great flexibility.

**OPTIONS PACKAGE 1**
**ERGONOMICS**

For optimal and efficient work steps with minimal strain on operators.
- LogiBar
- LogiPointer
- LogiStainless
- LogiTilt
- LogiWork

The focus is placed on the operator

**OPTIONS PACKAGE 2**
**PERFORMANCE**

For the highest requirements in speed and efficiency.
- LogiBar
- LogiDual
- LogiGate
- LogiPointer
- LogiPower

When speed is of the essence

**OPTIONS PACKAGE 3**
**MAINTENANCE**

Work safety and investment security are the priority in this package.
- LogiCircle
- LogiDrawer
- LogiLight
- LogiSpare

Maintenance made easy

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