



STOPA LVS warehouse management software

An efficient management system for automatic warehouses that is easy to configure and operate, with an attractive price

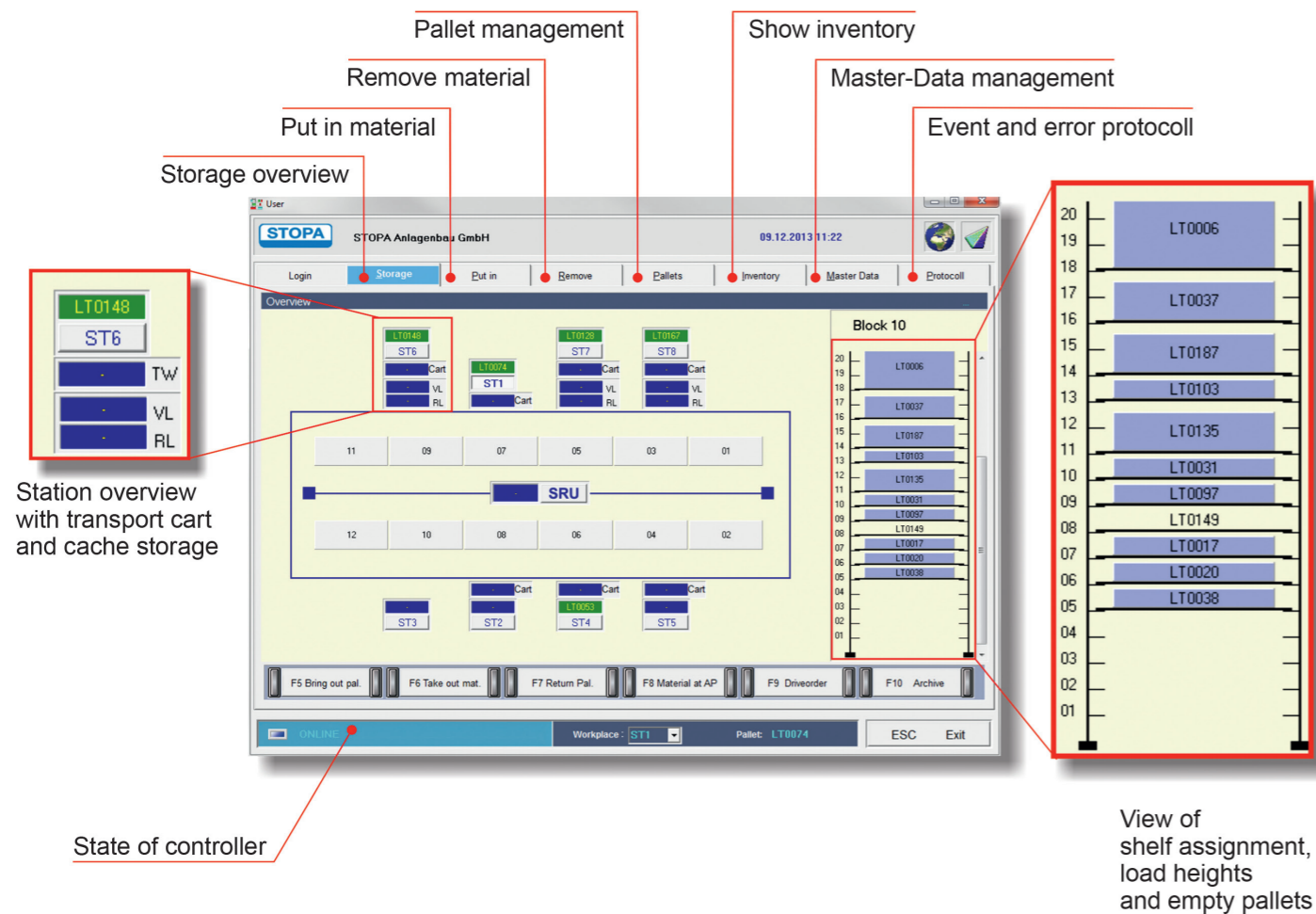
“Make the space you need!”

LVS warehouse management software

Stopa LVS is a highly efficient management system for automatic warehouses that is easy to configure and operate, with an attractive price.

Besides managing stocks, STOPA LVS transmits orders to the warehouse control system and monitors travel movements.

Workers interact with the system using a clearly organized, self-explanatory interface. The stock overview provides quick, comprehensive information on the state of each workstation. All movement orders and stock movements are recorded in the posting journal. Interfaces are available for integration of existing production machinery.



The benefits at a glance

- ✓ Clearly organized graphic user interface
- ✓ Static and/or chaotic storage, configurable for each shelf and pallet
- ✓ Different pallet/cassette types possible
- ✓ Management of any required number of shelves and storage areas, e.g. floor stores
- ✓ Management of inventories down to batch level
- ✓ Blocking of shelves, items or individual batches
- ✓ Full withdrawals, partial withdrawals, warehouse admission, relocation of stock
- ✓ Automatic determination of part quantities by integrated weighing unit (optional)
- ✓ Function scope individually configurable for each user, table view, dialog language
- ✓ Management of multiple segments on one pallet/cassette
- ✓ Recording of all stock movements
- ✓ Traceability, batch tracking
- ✓ Observing of minimum stock levels
- ✓ Total stocks, partial stocks
- ✓ Automatic inventory check of the hole stoarge (in conjunction with an optional weighing unit)
- ✓ User management and access control
- ✓ Import and export functions via file interface
- ✓ Creation of picking lists
- ✓ Interfaces to production machinery such as Trumpf, AMADA, Bystronic, Salvagnini (optional)*
- ✓ Interfaces to ERP systems via CSV/XML, ODBC or ADO (optional)
- ✓ Administration of master data, supplier addresses and customer addresses
- ✓ Arbitrary number of terminals in the network
- ✓ Data kept in MS SQL Server Express database
- ✓ Modest training requirements
- ✓ Remote support (optional)

* The costs of providing machine interfaces are not included in STOPA LVS and must be agreed separately with the machine manufacturers.

Modular design

The STOPA warehouse management software has a modular design, with three expansion stages: Tower System, LVS Basic and LVS Extended. The available functions in each stage are described below. The extension stages can be upgraded at any time.

Tower System

The Tower System provides all the functions necessary for operating a single or double storage tower for fixed-position storage. In fixed-position storage each pallet is assigned to a permanent storage location. The loading heights are also fixed and are determined when the warehouse system is configured.

for data management. The SQL database is backed up automatically each day.

The administration software, control software and database are preinstalled on the machine control panel. Additional operating stations can be set up on request.

The program package comprises Operation, Administration and Automatic PLC Control. The LVS is optionally designed for host interfaces to higher-level goods management systems and for automatic machine linkups (lasers, punches etc.).

A Microsoft SQL Server Express database is used as standard

LVS-Basic

LVS Basic provides all the functions of the Tower System, plus the ability to manage additional storage blocks. Fixed-position storage is used. That is, the pallets are assigned to permanent locations and loading heights are determined when the warehouse system is set up.

We recommend installing the administration software on a virtual server.

The offer includes installation of 1 server and 1 operating station. Additional operating stations can be set up on request.

LVS Basic can also manage up to 99 different soil camps. These soil camps cannot be operated automatically, but the stocks and locations are managed by the software.

A Microsoft SQL Server Express database is used as standard for data management. The SQL database is backed up automatically each day.

The program package comprises Operation, Administration and Automatic PLC Control. The LVS is optionally designed for host interfaces to higher-level goods management systems and for automatic machine linkups (lasers, punches etc.).

The hardware and operating system for the server and the PCs for the workstations are normally supplied by the customer.

LVS-Extended

LVS Extended is the highest extension stage. It includes all the functions necessary for operating and managing one or more high-rack warehouses. In addition, the Extended version can manage what is called a chaotic storage system.

In a dynamic (chaotic) storage system each pallet and storage location can be configured for fixed-position storage or dynamic storage. In a chaotic storage system the loading heights of the pallets are variable. The software automatically adjusts the shelves to make optimum use of space in the high-bay warehouse. Dynamic (chaotic) storage also often optimizes travel distances by placing pallets near the stations that are most frequently used.

LVS Extended can also manage up to 99 different soil camps.

In addition, it can operate multiple pallet picker cranes automatically, allowing throughput to be increased by up to 100 percent.

The program package comprises Operation, Administration

and Automatic HBW Control. The LVS is optionally designed for host interfaces to higher-level goods management systems and for automatic machine linkups (lasers, punches etc.).

The hardware and operating system for the server and the PCs for the workstations must be supplied by the customer. We recommend installing the administration software on a virtual server.

The offer includes installation of 1 server and 1 operating station. Additional operating stations can be set up on request.

A Microsoft SQL Server Express database is used as standard for data management. The SQL database is backed up automatically each day.

Pallet	Shelf ID	Location	Gross	Net	Tare	Blocked	Lastweight	Error Count	Description
PL70102	HL0001	HL0001	1454	1232	222	0	15.06.2015 10:39:28	0	
LT01012	HL0015	HL0015	1454	0	1454	0	01.04.2015 16:35:36	0	
LT01013	HL0116	HL0116	1454	1225	229	0	01.04.2015 16:21:06	0	
LT01016	HL2015	HL2015	1454	1223	231	0	01.04.2015 16:39:13	0	
LT0001	HL0017	HL0017	1454	1224	230	0	01.04.2015 16:35:20	0	
LT0002	HL1114	HL1114	1454	1224	230	0	01.04.2015 16:31:50	0	
LT0005	HL2217	HL2217	1454	1224	230	0	02.04.2015 14:53:13	0	
LT0007	HL0007	HL0007	1454	1223	231	0	01.04.2015 16:26:45	0	
LT0009	HL0005	HL0005	1454	1226	228	0	01.04.2015 16:27:02	0	
LT0011	HL0709	HL0709	1454	1224	230	0	01.04.2015 16:24:32	0	
LT0013	HL0613	HL0613	1454	1165	289	0	01.04.2015 16:27:30	0	
LT0015	HL2001	HL2001	1454	1225	229	0	01.04.2015 16:32:43	0	
LT0017	HL0113	HL0113	1454	1225	229	0	01.04.2015 16:33:00	0	
LT0709	HL0813	HL0813	1454	1225	229	0	15.06.2015 10:40:19	0	
LT0013	HL0206	HL0206	1454	911	543	0	15.06.2015 10:39:56	0	
LT1114	HL0603	HL0603	1454	1224	230	0	01.04.2015 16:39:30	0	
LT2015	HL2302	HL2302	1454	1222	232	0	01.04.2015 16:36:26	0	
LT2217	HL1007	HL1007	1454	1017	437	0	01.04.2015 16:39:47	0	

Information on the weighed pallets is stored in STOPA LVS and can be sorted according to different characteristics.

Users can apply the search function to find stored material matching certain criteria.

Hardware requirements

Terminal PC

Intel i3, ≥ 2 GHz, 4 GB RAM, 10 GB of free hard drive space

Windows Win7 32/64 bit

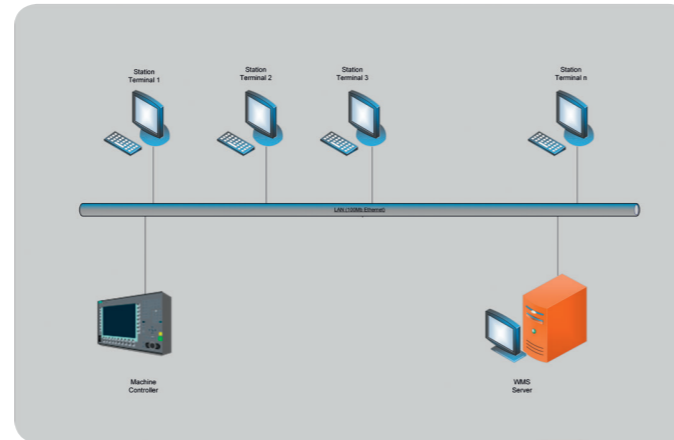
Keyboard, mouse

Server PC

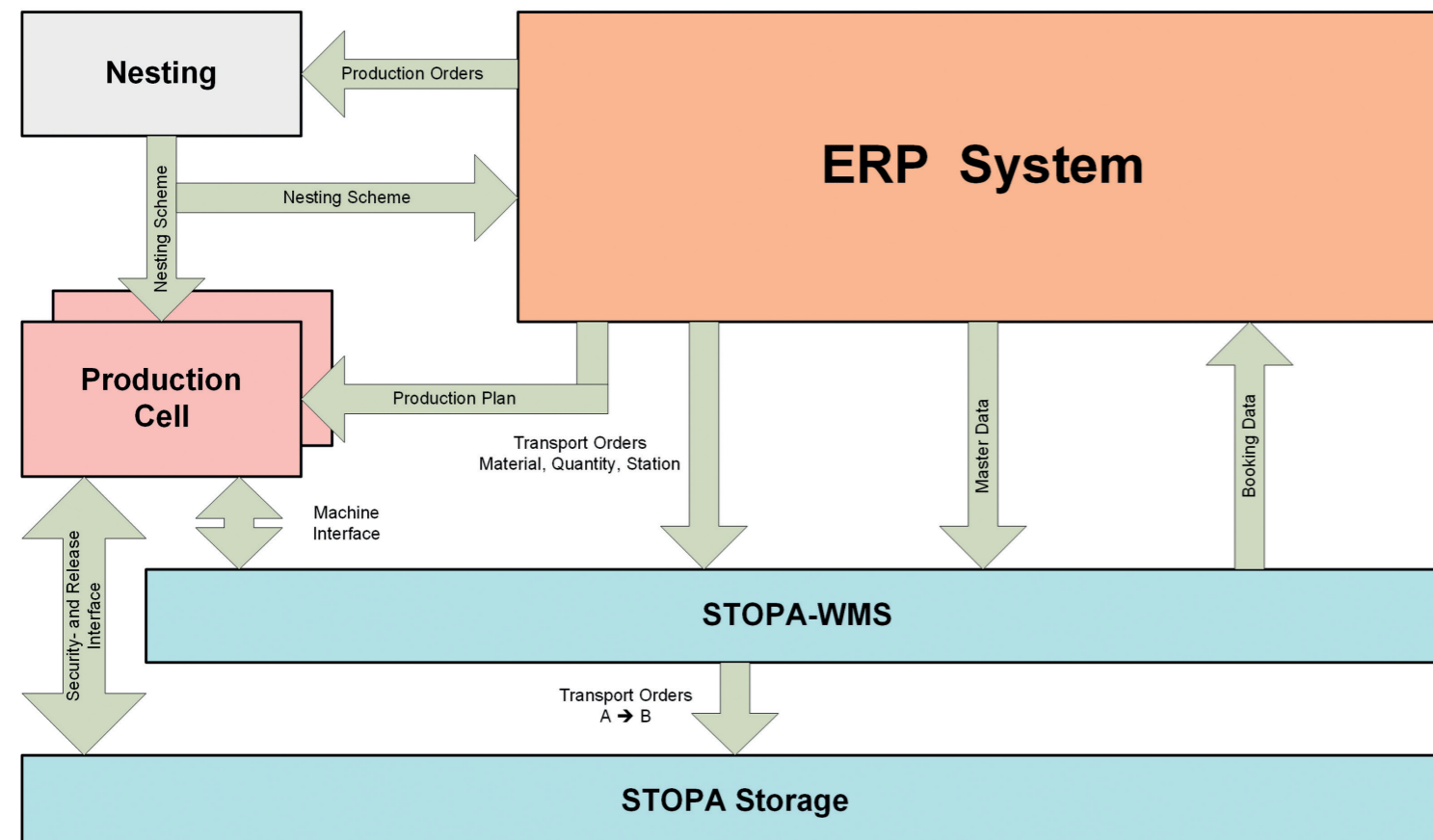
Intel i3, ≥ 2GHz, 8 GB RAM, 50 GB of free hard drive space

Windows Win7 32/64 bit, Windows Server 2003 or higher

Keyboard, mouse

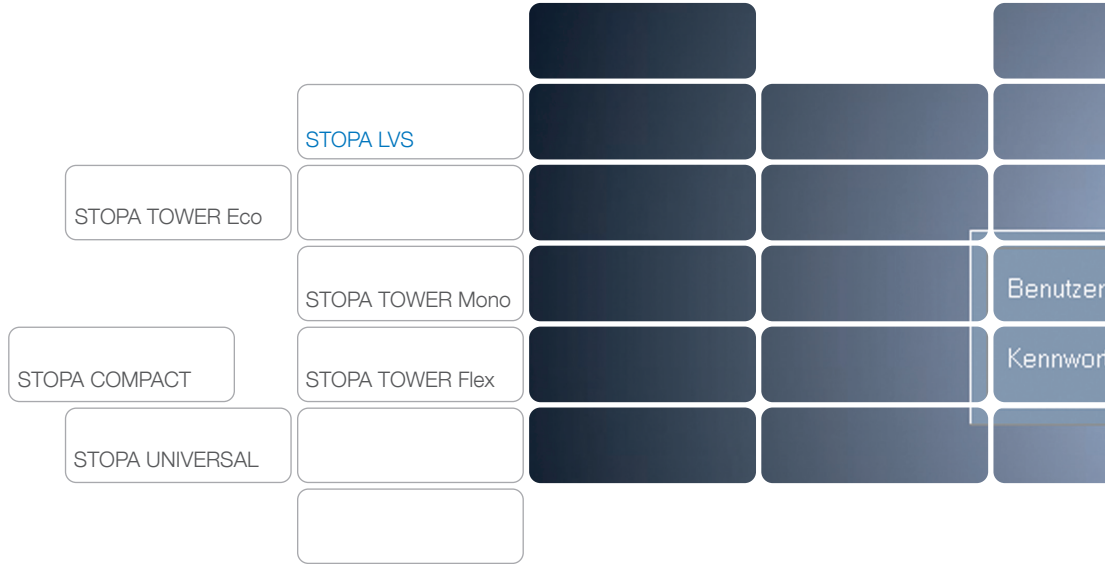


Workflow STOPA Warehouse Management System



Product comparison

	Tower	Basic	Extended
Clearly organized graphic user interface	✓	✓	✓
Static and/or chaotic storage, configurable for each shelf and pallet			✓
Management of multiple pallet picker cranes			✓
Different pallet/cassette types possible		✓	✓
Management of any required number of shelves and storage areas, e.g. floor stores		✓	✓
Management of inventories down to batch level	✓	✓	✓
Blocking of shelves, items or individual batches	✓	✓	✓
Full withdrawals, partial withdrawals, warehouse admission, relocation of stock	✓	✓	✓
Automatic determination of part quantities by integrated weighing unit	✓	✓	✓
Tandem stations	✓	✓	✓
Function scope individually configurable for each user, table view, interface language	✓	✓	✓
Management of multiple segments on one pallet/cassette	✓	✓	✓
Recording of all stock movements	✓	✓	✓
Traceability, batch tracking	✓	✓	✓
Observing of minimum stock levels	✓	✓	✓
Total stocks, partial stocks	✓	✓	✓
Automatic inventory check of the hole stoarge (in conjunction with an optional weighing unit)	✓	✓	✓
User management and access control	✓	✓	✓
Import and export functions via file interface	✓	✓	✓
Creation of picking lists		✓	✓
Interfaces to production machinery such as Trumpf, AMADA, Bystronic, Salvagnini	✓	✓	✓
Interfaces to ERP systems via CSV/XML, ODBC or ADO	✓	✓	✓
Master data administration	✓	✓	✓
Administration of supplier addresses and customer addresses	✓	✓	✓
Arbitrary number of terminals in the network	✓	✓	✓
Data kept in MS SQL Server Express database	✓	✓	✓
Modest training requirements	✓	✓	✓
Remote access	✓	✓	✓



STOPA
Anlagenbau GmbH
Storage Systems Business Unit

Industriestraße 12
77855 Achern-Gamshurst | Germany

Phone +49 7841 704-0
Fax +49 7841 704-190

Web www.stopa.com
E-Mail info@stopa.com