StockSAVER

Third-generation kanban systems:
StockSAVER



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EUROPE'S LEADER IN SIGNALLING

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Stock*SAVER:* THE NEXT-GENERATION SOLUTION

Stock*SAVER* implements a **third-generation** kanban system for production logistics. This simple retrofit solution for all FIFO flow racks **solves all of the typical issues** with Kanban systems, creates considerably **more space** in production areas for value adding activities and **increases cash flow**.
As **Stock*SAVER*** provides automatic material replenishment requests, it **eliminates the margin for human error** and the need for line-side **safety stocks**.

Winfried Huber, Sales Manager Germany

Stock*SAVER:*
THE THIRD-GENERATION KANBAN SYSTEM

First generation Kanban systems: Kanban cards

Problems: delays in handing over cards, cards are mislaid or are not collected, little transparency.

Second generation Kanban systems: Use of scanners

Problems: disruptions due to incorrect bookings, forgetting to scan, incorrect stock replenishment, etc. ⟶ the digital system world does not correspond with reality.

Third generation Kanban systems:



- Intelligent sensors determine the actual material stock levels present in the rack.
- Human errors are eliminated and the familiar Kanban problems are resolved (lack of stock is not recognised in good time, Kanban cards cannot go missing etc.).
- This makes it possible to halve the stock level in the FIFO rack.

REDUCE YOUR STOCK LEVELS WITH Stock*SAVER*

- Protects against material running out
- Save space by not having to carry emergency stocks
- Reduce safety stocks, even with a wide variety of parts

Stock*SAVER* PROVIDES A LOW MARGIN FOR ERROR

- No need for additional scan processes
- No more double enty bookings
- See the actual stock level in real time
- Eliminate arithmetically calculated stock levels as a source of error

HALVE YOUR FIFO FLOW RACK SPACE WITH Stock*SAVER*

- More space at the production line or on the shop-floor for value adding activities

RESULT

Safely reduce the stock levels held on the FIFO rack and thereby improve your cash-flow.



The clearly structured, digital Kanban board (material requirements list) allows material to be replenished in good time.

WHAT MAKES THE THIRD GENERATION KANBAN SYSTEM SPECIAL?

Transparency
Intelligent sensors in the FIFO rack provide complete transparency, which is then clearly displayed on the digital Kanban board.

Optimise stock
This makes it possible to halve the stock in the FIFO rack.

Save resources
More space for value adding activities.

Resolve problems
The familiar Kanban problems are resolved and the margin for human error is eliminated.

Improve cash-flow
The reduction in stock levels improves your cash-flow.

Diverse range of parts
Low stock levels are possible even with a diverse range of parts.

YOUR BENEFITS



IMPROVE YOUR CASH FLOW

- Reduce stock levels and improve your cash-flow
- Emergency stocks no longer neccessery
- Get your safety stock under control, even with an increasingly diverse range of parts



REDUCE ERRORS

- Solve existing Kanban problems (e.g. Kanban cards being lost)
- Scanning processes are no longer required - replenishment is triggered automatically
- No duplication of bookings
- React flexibly, in real time



HALF THE NUMBER OF FLOW RACKS

- Halve your FIFO rack area and solve your space problems
- Safety stocks no longer required (without the risk of material running out)
- More space on the assembly line
- Create space for value adding processes



COMPLETE SOLUTION FROM A SINGLE SOURCE

- Fully configured kits (hardware and software)
- Simple commissioning and use (no external project or consultancy costs)
- Intuitive software (standalone or integrated into the company network)

SENSORS

Detect the number of bins and transfer this data to the Sensor*BOX*.

Sensor*BOX*

Receives the sensor status of up to 4 bins per shelf location and transfers this data to the Smart*BOX*.

Smart*BOX*

Receives the data from the Sensor*BOXES* and transmits this to the Transceiver via a wireless network. **OPTIONAL:** If the universal interface is used (e.g. RFID or barcode scanner), the SmartBOX gives an immediate warning, on site, of misplaced items and requests a correction.

THE SYSTEM

The fully configured kits for your storage bays are delivered ready for immediate installation. **Stock*SAVER*** is **maintenance-free, easy to retrofit** and **monitors the stock levels** of your FIFO flow racks as a signal point in the logistics chain. The data is transmitted wirelessly and displayed in the software, which is supplied with the package. You will also profit from the long-term benefits of the analysis module, which can help you to **improve your processes**. The **material movement data export** provides the opportunity to optimise the replenishment process.



SENSOR

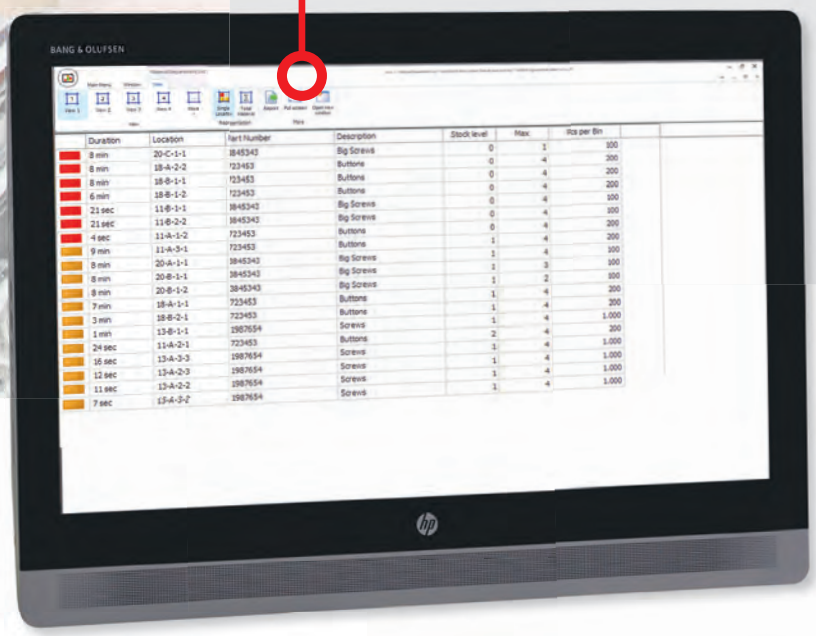


TRANSCEIVER

Receives the status of the Smart*BOXES* and transfers this data to the Stock*SAVER* software.

SOFTWARE

Provides complete transparency over all of the networked FIFO flow racks at a glance.



The digital Kanban board (material requirements list) indicates the locations which require replenishment.



Sensor*BOX*



Smart*BOX*



TRANSCEIVER

INTUITIVE AND CLEARLY STRUCTURED – THE Stock*SAVER* SOFTWARE

The **software supplied with the system** can be installed quickly and easily, and will guide you through the process of creating your own network, step by step. The material stocks of the **FIFO flow racks** that are integrated into the network are displayed on your PC. This gives you a **transparent overview of the material available** at the workstation. The **requirements list** informs the logistics department promptly of replenishment requirements and their priority. The analysis module helps you to **improve your processes in the long term**.

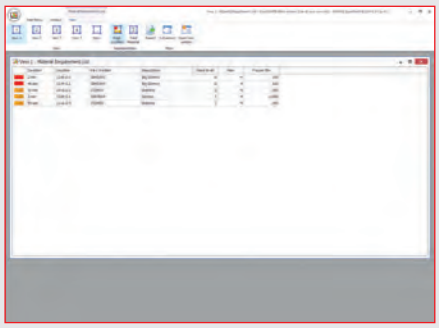
ALWAYS INFORMED AND LEAN

The control station view keeps you informed all of the time by giving you information about the level of stock held at the workstation.
The material requirements list makes the collection of Kanban cards unnecessary as the logistics department will automatically receive „to do" lists. In this way human error can be avoided, the replenishment process can be speeded up and high levels of safety stock made unnecessary.

GET TRANSPARENCY
CONTROL STATION

This is where you can obtain transparency and a complete overview at a glance. The digital version of your FIFO flow racks at the work station displays current stock levels and makes safety stock unnecessary. This means you can save space on racking and use it instead for other value adding activities.



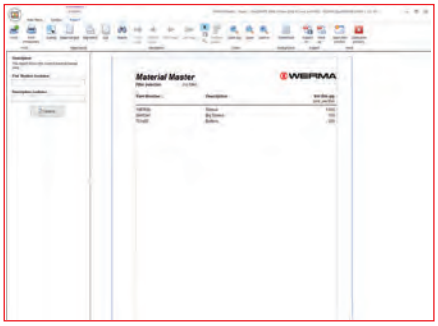


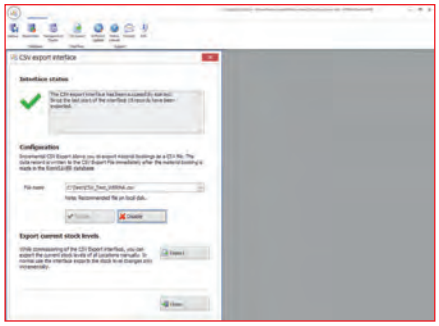
GUARANTEE REPLENISHMENT
REQUIREMENTS LIST

If the removal of a bin triggers the re-order level, then the requirements list for the logistics department will be automatically updated. This ensures a prompt, efficient and priority-driven replenishment process. Manual sources of error (such as mislaid Kanban cards and failing to register a replenishment requirement) become a thing of the past.

IMPROVE PROCESSES
ANALYSIS

The ideal tool to make long-term process improvements. Whether it is the identification of spikes in demand, selecting the optimum bin size or simply identifying how often a stock lacation is being replenished, the function will provide all of this at the touch of a button.





MATERIAL MOVEMENT DATA EXPORT
INTERFACE FOR DOWNSTREAM PROCUREMENT PROCESSES

Material movement data can be exported and used, for example, to trigger production orders, external procurement processes or make material bookings. This provides the option of an interface with your general operating system.



Stock*SAVER*: BECAUSE IT MAKES SENSE

A large number of customers already rely on WERMA solutions –
and use them to make their production processes safer, more efficient and more lean.
Further information on **Stock*SAVER*** including customer references and application information as well as videos can be found on our website: **www.werma.com/stocksaver**

FIND OUT MORE ON THE WEBSITE

WHAT OUR CUSTOMER SAY:

STEFFEN MOSER, LEAN MANAGER, SCHMIDT TECHNOLOGY:

„Stock*SAVER* is **easy to use and understand**. There are no unnecessary tools or functions that over-complicate the application."

„The implementation phase ran really **smoothly**, from the excellent installation instructions through to the **simple and intuitive installation**."

„We have already **definitely decided** to use **Stock*SAVER*** in our new **production line**."

MANUEL SEELAND, SCM PROCESS & SYSTEM DEVELOPER:

„Using Stock*SAVER* has given us a **reliable** indication of how to safely reduce **stock levels**."

SILVIO SPRENGER, PRODUCT MANAGER SENSOR SOLUTIONS:

„We use materials with „use by dates", and therefore only have minimal stock levels. Using Stock*SAVER* really **makes sense here and gives us security.**"

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Part Numbers
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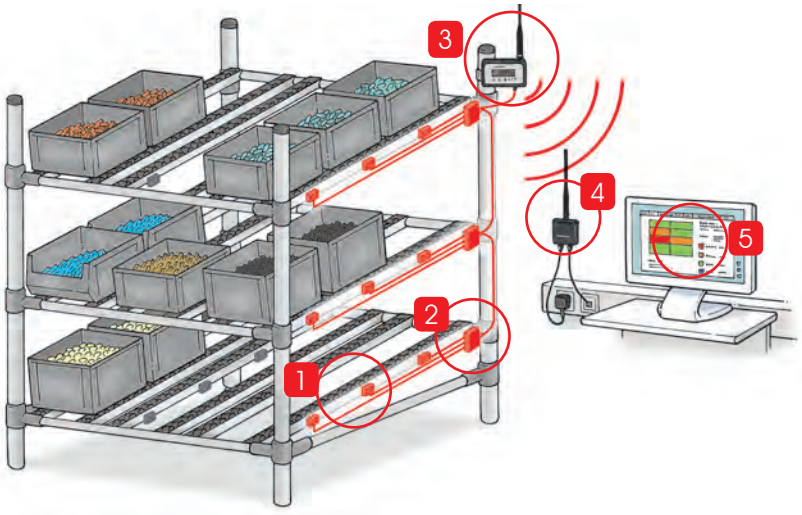
Stock*SAVER* - Kits and Part numbers

Starter Kit 50/2	**865 000 01**	Kit with Transceiver for 50 locations with 2 sensors per location (including software). Contains: 1x Transceiver, 1x Smart*BOX*, 50 x Sensor*BOX*es, 100 x Sensors
Starter Kit 50/4	**865 000 02**	Kit with Transceiver for 50 locations with 4 sensors per location (including software). Contains: 1x Transceiver, 1x Smart*BOX*, 50 x Sensor*BOX*es, 200 x Sensors
Extension Kit 50/2	**865 000 03**	Kit without Transceiver for 50 locations with 2 sensors per location (including software). Contains: 1x Smart*BOX*, 50 x Sensor*BOXes*, 100 x Sensors
Extension Kit 50/4	**865 000 04**	Kit without Transceiver for 50 locations with 4 sensors per location (including software). Contains: 1x Smart*BOX*, 50 x Sensor*BOXes*, 200 x Sensors
Tool Kit	**865 000 29**	Tool kit contains: 1x Parallel-action pliers 1x Automatic wire-stripper for BUS cable 1x Automatic wire-stripper for Sensor cable
Extension Set	**865 000 30**	Extension set to extend sensor cables when re-configuring locations, Contains: 30 x sensor connectors, 15 x sensor couplers
Sensor Cable for Extension Set	**865 000 33**	30 m
Place by Light	**865 000 34**	Kit includes: 25 Lights with corresponding connectors and installation material





Starter Kit 50/2


1 Sensor


2 Sensor*BOX*


3 Smart*BOX*


4 Transceiver


5 Software