StockSAVER

Third-generation kanban systems:
Stock*SAVER*

WERMA®

EUROPE'S LEADER IN SIGNALLING

CONTENTS

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

StockSAVER:
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:

Half the number of flow racks ⊕ Low margin for error ⊜ Third-generation kanban system

- 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 StockSAVER

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

StockSAVER 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 StockSAVER

- 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.

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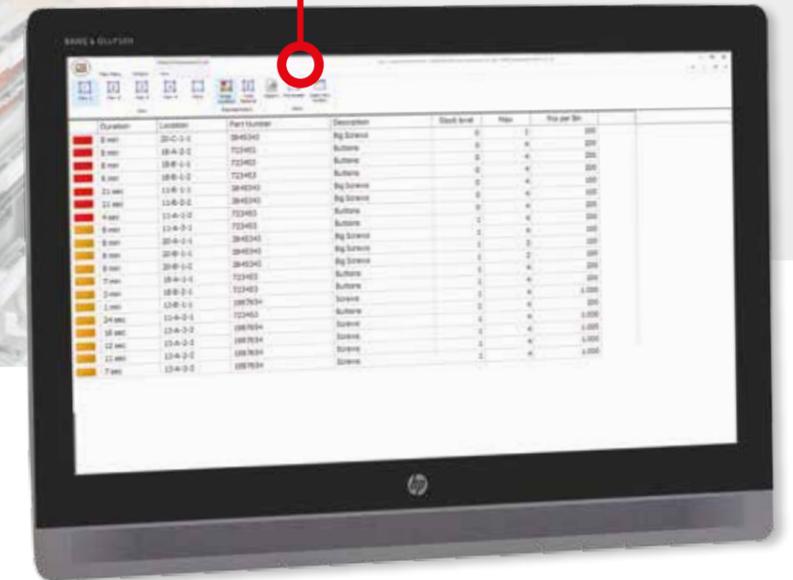
The digital Kanban board (material requirements list) indicates the locations which require replenishment.

SENSOR

Sensor*BOX*

Smart*BOX*
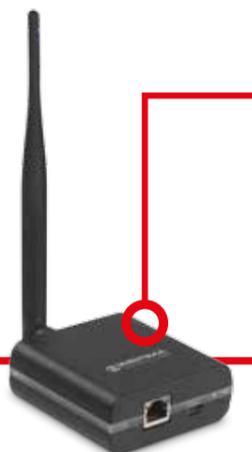
TRANSCEIVER

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.
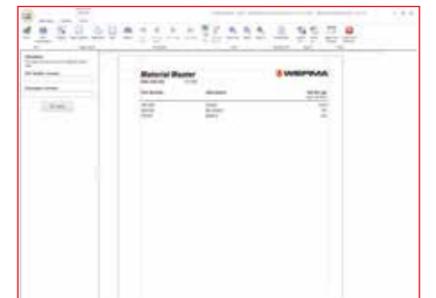
MATERIAL MOVEMENT DATA EXPORT
INTERFACE FOR DOWNSTREAM PROCUREMENT PROCESSES

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.
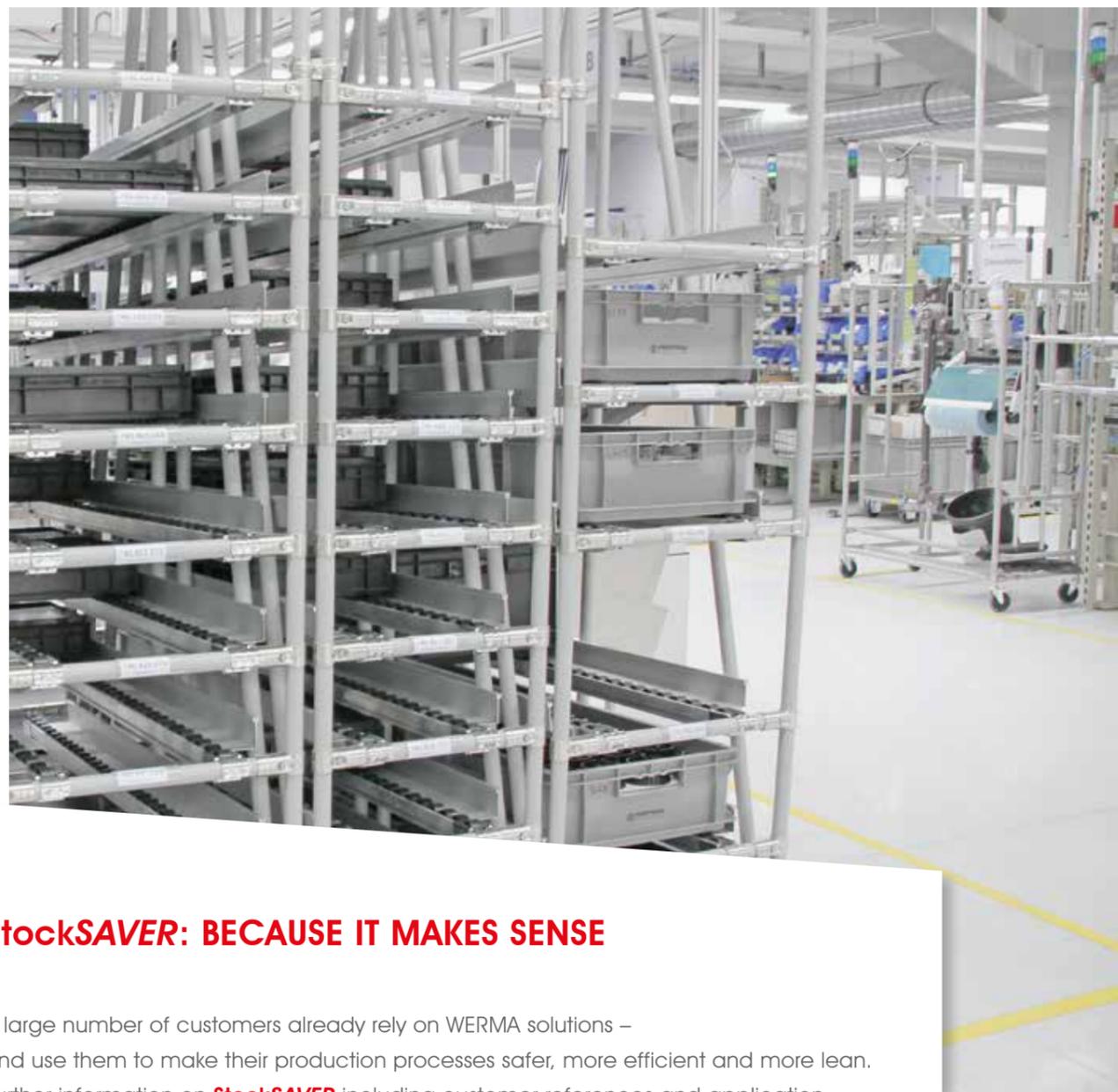
StockSAVER: BECAUSE IT MAKES SENSE

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 **StockSAVER** 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:

„StockSAVER 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
StockSAVER in our new **production line**."

SCHMIDT®
Technology

MANUEL SEELAND, SCM PROCESS & SYSTEM DEVELOPER:

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

Baumer
Passion for Sensors

SILVIO SPRENGER, PRODUCT MANAGER SENSOR SOLUTIONS:

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

WERMA Signaltechnik GmbH + Co. KG
Dürbheimer Str. 15
D-78604 Rietheim-Weilheim
Phone +49 74 24 95 57-0
Fax   +49 74 24 95 57-44
www.werma.com
info@werma.com

WERMA Signaltechnik
Niederlassung Neuhausen am Rhf.
Rheingoldstrasse 50
8212 Neuhausen am Rheinfall
Switzerland
Phone +41 52 674 00 60
Fax   +41 52 674 00 66
www.werma.ch
info@werma.ch

WERMA SARL
56, Rue Colière
69780 Mions
France
Phone +33 4 72 22 37 37
Fax   +33 4 72 22 37 64
www.werma.fr
info@werma.fr

WERMA BENELUX
Industrieweg 78-80 Bus 2
Poortakkerstraat 41C
9051 Sint-Denijs-Westrem
Belgium
Phone + 32 220 31 11
www.wermabenelux.com
info@wermabenelux.com

WERMA (UK) Ltd.
11 Regent Park
37 Booth Drive
Park Farm Industrial Estate
Wellingborough NN8 6GR
Great Britain
Phone +44 15 36 48 69 30
Fax   +44 15 36 51 48 10
www.werma.co.uk
uksales@werma.co.uk

WERMA USA Inc.
6731 Collamer Road
East Syracuse, NY 13057 USA
Phone +1 315 414 0200
Fax   +1 315 414 0201
www.werma.com
us-info@werma.com

WERMA (Shanghai) Co., Ltd.
No. 8, High Technology Zone,
No. 503, Meinengda Road,
Songjiang, Shanghai, P. R. C 201613
China
Phone +86 21 57 74-00 22
Fax   +86 21 57 74-66 01
www.werma.com.cn
info@werma.com.cn

WERMA®

03/17 • 990.865.02 • E