

WÜRTH Industrie Service

iBin®

INVENTORY **i**N FOCUS



NEW!

**THE TECHNOLOGY
OF BINS FOR
A NEW AGE OF
PROCUREMENT**

“For the first time, it was possible to automatically transmit bin-specific information on the filling level, quantities and order details to our merchandise information system via an integrated camera equipped with RFID technology. This system does not only allow for the consumption-based, just-in-time supply of C-Parts, actual images are transmitted in real time – **simply iNTELLIGENT!**”

Rainer Bürkert, Executive Vice President of the Würth Group and
Managing Director of Würth Industrie Service GmbH & Co. KG



The development started with the **conventional two-bin Kanban system** in which orders were placed with the help of a manual scanner.

Already in 2011, the automation of traditional Kanban systems could be realized by introducing **RFID data transmission** (radio frequency identification). By placing the empty bin on an intelligent shelf or into a pallet box, a customer can trigger the reorder process.

The innovative iBin® goes one step further:

The iBin® provides new, individual possibilities as well as a transparent view of each bin's interior – even down to individual pieces.

While up to now, the empty bin triggers an order, the iBin® sets new standards as a **pioneering and intelligent system**: In the future, the iBin® module will independently monitor the remaining stock in the bin's interior and trigger orders as needed.

This technology is not only revolutionizing C-Parts management, it is also of great significance for the entire industrial sector and its value chain, including purchasing, materials planning and logistics.

Extensive development work was done on this completely new bin type. iBin® is a joint development of Würth Elektronik ICS GmbH & Co. KG and Würth Industrie Service GmbH & Co. KG proving the extraordinarily high dynamism and innovative power of the companies of the Würth Group.

THE BEGINNING OF A NEW AGE. iBin®!

And this ensures plenty of **advantages for your value chain:**

Less shelf and floor space needed in your production areas

The individual and precise provision of materials directly at the point of consumption helps streamline warehouse processes and reduce inventory levels with the result that less capital is tied up.

Seamless and simple integration into your existing systems

Wireless system:

Easy to introduce without the need to change your existing processes or retrofit your storage systems or infrastructure.

Independent system:

A connection to the customer's network is not necessary, but can easily be integrated upon request.

Maximum Service

Completely transparent consumption due to the permanent monitoring of inventory levels.

Demand peaks/fluctuations are recognized early-on

No more manual registration of data

Maximum transparency of bin information

Regular visual checks and counting function

Automatic ordering

Precise reordering mechanisms for your C-Parts from a defined minimum quantity

The highest system flexibility

As a dedicated compartment is already integrated into all existing bins, the system can be used in any storage location and bin size.

Fully automated stocktaking at any time – at the push of a button

Unscheduled orders can be placed immediately to cover any unexpected demand

Ideal for directly supplying workplaces

Integration of an even wider range of product groups

With our system, it is also possible to monitor A- and B-Parts, manage parts from third-party suppliers and integrate other suppliers.

THE **iBin**[®]. **i**NFORMATIVE.

AUTOMATIC REORDERING

when a defined minimum stock level has been reached



**... 3-2-1, ORDERED! –
THE **iBin** COUNTS.**



MAXIMUM FLEXIBILITY

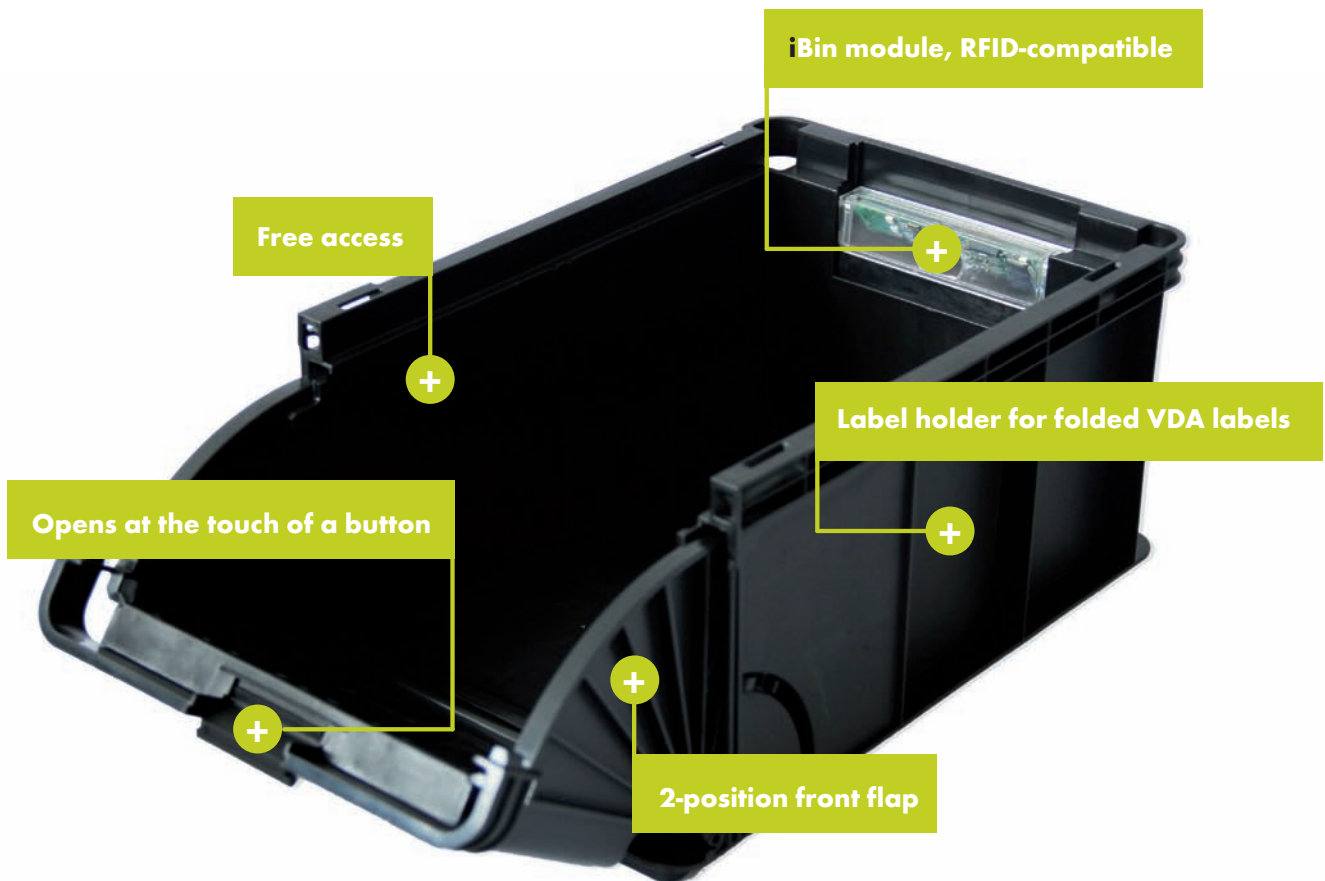
Works in any storage location and bin size



iNNOVATIVE. iNTELLIGENT.



WHAT TECHNOLOGY CAN DO.



Optical system

with integrated camera and a centralized, multi-level image recognition system



CPU to process, transmit and analyze incoming data

making the bin "intelligent" and collecting valuable consumption statistics



Wireless, independent system with RFID technology

1.000.000-100.000-10.000-1.000-
100-99-98-97-96-95-94-93-92-
91-90-89-88-87-86-85-84-83-
82-81-80-79-78-77-76-75-74-73-
72-71-70-69-68-67-66-65-64-63-
62-61-60-59-58-57-56-55-54-53-
52-51-50-49-48-47-46-45-44-43-
42-41-40-39-38-37-36-35-34-
33-32-31-30-29-28-27-26-25-
24-23-22-21-20-19-18-17-16-
15-14-13-12-11-10-9-8-7-6-5-4-



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INVENTORY iN FOCUS!

iBin[®]**INVENTORY iN FOCUS**

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MW - Y - SK - 1' - 01/14

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For more information on the iBin[®], please visit:

www.wuerth-industrie.com/iBin

