

## PRESS RELEASE

### **Expanding the system of weighing technology – iSCALE pal for efficient production supply on pallets!**

*Bad Mergentheim/Main-Tauber-Kreis.* How about a pallet that manages your parts requirements almost completely independently and also reorders them automatically? Würth Industrie Service GmbH & Co. KG has shown how it can be done by adding the original pallet scale system iSCALE pal to its portfolio of fully automated C-Parts management solutions. iSCALE pal is a sensor-controlled scale in combination with a Euro pallet. On the basis of the weight, the system notifies the requirements of production materials and other items digitally - directly from the customer's point of use to the ERP system of Würth Industrie Service and ensures an exact replenishment. The C-Parts partner presented the first prototypes of the system expansion live at LogiMAT 2023 in Stuttgart.

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Increasing productivity and reducing process costs at the same time - this is indispensable for every company when it comes to procurement. Even though C-Parts represent a relatively small proportion of the purchase volume of the company, the procurement efforts involved here are very high and their unavailability can bring the entire production to a standstill. Therefore, the potential for savings lies in optimising these processes. How it can be done? The iSCALE system family enables an almost completely independent, logistical storage management for C-Parts. The sensor-controlled scale is directly connected to a Kanban bin. The latest addition to this weighing technology is the iSCALE pal, which ensures efficient production supply on pallets! This intelligent pallet scale system is also based on highly precise weighing cells. The Euro pallet is equipped with a sensor-controlled scale underneath, which continuously checks the weight on the pallet directly at the customer's location, compares it with the known item weight and transfers it to the ERP system of the C-Parts supplier via an encrypted interface. Once the weight goes below the defined value, a notification is sent automatically to Würth Industrie Service. An order is placed and replenishment is ensured. Thanks to its use of Euro pallets, iSCALE pal is suitable for all bin sizes based on the VDA standard of the patented Würth small load carrier W-KLT®2.0 of Würth Industrie Service. One pallet has the capacity to accommodate up to 64 bins. On the other hand, individual, loose and especially large and bulky items can also be stored optimally and reordered automatically using this technology.

The benefits are significant: Fully automated logistical stock management replaces the cumbersome stocktaking and re-orders at the customer's location. As the inventory is continuously audited, any fluctuations and peaks can be identified in time, and thus the supply security can be maximised. iSCALE pal is particularly suitable for manufacturing companies that have high requirements of direct materials. In addition to that, the process is economised significantly owing to the reduction of tied-up capital, since high inventory levels can be reduced at customer's location, and thereby, areas for storage spaces. If the classic, rolling pallet Kanban with manual order triggering was used previously, now only one pallet is needed thanks to the combined weighing technology used in iSCALE pal.

iSCALE pal is an important part of the procurement and logistics solutions of Würth Industrie Service. In this way, the C-Parts partner offers an additional solution within the supply of production and operating materials, which can help the users to further digitalise their entire delivery chain and make it more transparent. The processes are so simple that customers or production employees no longer have to place the order manually. On the basis of the weight, the intelligent system independently identifies the exact requirement for material and automatically notifies the same to the ERP system of Würth Industrie Service. The C-Parts partner is thus setting important course for an intelligent, self-controlling material flow within the supply chain.

More information on iSCALE pal is available at [www.wuerth-industrie.com/kanban-system](http://www.wuerth-industrie.com/kanban-system)

## **Photo material:**



**Captions:**

Photo: iSCALE pal.jpg

Caption: Würth Industrie Service is adding the innovative pallet scale system iSCALE pal to its portfolio of fully-automated C-Parts management solutions.

Photo source: Thomas Möller, [bitterrechtfreundlich.de](http://bitterrechtfreundlich.de)

Brief profile of Würth Industrie Service GmbH & Co. KG

Within the Würth Group, Würth Industrie Service GmbH & Co. KG is responsible for supplying to the industrial sector. Since its foundation in the year 1999, the company is located at Industriepark, Würth in Bad Mergentheim, Germany with over 1,750 employees.

As a one-stop C-Parts provider, the company offers its customers a specialised product range with over 1,400,000 items: from screws and tools to connection and fastening technology, technical chemicals as well as occupational safety solutions. Aside from the extensive standard product range, the strength of the company lies in its customer-specific, logistical and dispositive supply and service concepts as well as special parts. Under the service brand "CPS® – C-Product Service", the company offers modular solutions customised as per the customer's requirements. These consumption-based and demand-based systems streamline the processes for purchase, logistics and quality assurance while enabling the procurement of small parts in a cost-optimised manner. Logistic and dispositive services such as shelving systems that use scanners or a just-in-time supply using Kanban bin systems play a significant role in increasing productivity.