PRESS RELEASE

25 years of system innovation

iDISPLAY reaches new heights – Added functions for maximum increase in productivity

Würth Industrie Service
GmbH & Co. KG
Pia Schmitt
Press and Public Relations
97980 Bad Mergentheim, German

T +49 7931 91-3409
F +49 7931 91-4000
www.wuerth-industrie.com
Pia.Schmitt@wuerth-industrie.com

25.03.2024

Bad Mergentheim/Main-Tauber-Kreis. How about a display that works completely autonomously at the storage location? A digital rack label installed directly at the place of use that displays all the information about the item including filling quantity, availability, storage location as well as upcoming refills? Würth Industrie Service GmbH & Co. KG shows how this can be achieved with the new functions of iDISPLAY, which have been developed for complete digitalisation at the storage location in production.

Digitalisation means progress

As a comprehensive C-Parts partner, Würth Industrie Service places a great value on continuous development of its tried and tested systems. This applies to iDISPLAY as well. In near future, a printed rack label can be replaced by **iDISPLAYrack** – a digital rack label, which functions completely autonomously at the storage location. Each iDISPLAY is thus directly connected to the ERP system of Würth Industrie Service. It delivers real-time data, which can be retrieved quickly, easily and directly at the storage location: starting from the item number, item text, filling quantity to storage area and storage location up to the bin type, inventory, availability of bins, filling status as well as upcoming filling dates. Since the system is updated automatically in case of any major changes in master data, the customers are always up to date. While previously the paper label had to be reprinted and attached to the rack manually in case of any changes, now the information gets updated automatically. Thus, iDISPLAYrack replaces the paper label on the Kanban rack. As a result, it becomes possible to retrieve the required information while picking using two display screens as navigation is extremely easy.

Even the respective replenishment is taken care of. Here, the extended function **iDISPLAYpush** makes special use of the direct connection with the ERP system of Würth Industrie Service. This is because the iDISPLAY enables orders to be triggered directly at bin level within seconds at the push of a button. After triggering an empty signal, the current status is displayed until the filling is complete, after which a new order is possible.

Hence, iDISPLAYpush will replace iPUSH in the medium term, which has been handling the simple task of transmitting the requirement of products in packages, cardboard packaging or on palettes at the push of a button at a flexible place of use. Previously, iPUSH had to be operated for every individual delivery of goods and the corresponding label had to be replaced manually in case of any changes. This is eliminated by the extended function of iDISPLAY. By making all the data digitally available at any point of time, manual errors can be minimised, which allows the customers to rely on maximum productivity and transparency.

iDISPLAYpush as well as iDISPLAYrack require interaction with the intelligent RFID Kanban system solutions of WÜRTH Industrie Service in order to achieve maximum efficiency. RFID enables radio-controlled data transmission directly from the customer's production to the central warehouse of Würth Industrie Service. Through automated and demand-oriented reordering of production materials, industrial companies benefit from maximum supply and delivery reliability. The basis for all this is a Kanban bin. In the case of Würth Industrie Service, it is the patented Würth small load carrier, W-KLT®2.0. It is available in various sizes according to the VDA standard and is equipped with an RFID tag by default. Each transponder can be identified by a unique data security number. In the outgoing goods process, the ID of the bin is linked to the corresponding outgoing goods item. Through various RFID systems, the ID of the bins can be read and transferred to the Kanban Management System for automated re-ordering.

The perfect interplay with the iTERMINAL

The extended functions "**search**" and "**pick**" optimise the pick and search operation on the Kanban rack in combination with the iTERMINAL as the digital interaction point. Important information at item level and particularly the exact location of specific C-Parts in the Kanban rack can be retrieved within seconds. Where is the desired item? How many bins are there for this purpose and are these currently on site or are in the order? When will the next bins be filled or delivered? At which other storage locations is the desired item located? In combination with iDISPLAY, the digital rack label, the search function has been simplified – even visually. The operation is quite easy: search, select, find and withdraw. As soon as the customer selects a specific item using the search function, the signal lamp of iDISPLAY lights up at the corresponding storage location. Through the connected systems, it is not only possible to initiate a full search via iTERMINAL (search), but also withdraw easily using "Pick by Light." In the

future, the iDISPLAY will show with the help of the LED signal, where exactly is the item required for the next step of the process located and the quantity to be withdrawn is also automatically shown on the display. Currently, up to six picks per item can be shown simultaneously and navigated on the display by those who are picking. Another starting point for optimisation is the connection of the ERP system of the customer to the iTERMINAL. Pick lists of the customers can be transferred to and accessed on iTERMINAL, in order to pick them using iDISPLAY. Manual intervention is no longer necessary. In fact, customers benefit from a clearly reduced search time as well as from reduction in unnecessary walking steps, which in turn frees up time for value-adding activities. Thanks to the combination with the intelligent iTERMINAL as the digital information board, the manufacturing companies will be able to coordinate with the storage location quickly, easily and directly in the future.

Unimaginable yesterday, real today, smart tomorrow: With the extended functions of iDISPLAY, the C-Parts partner is setting the course for a digitalised world at the storage location in production. That too, in a perfectly organised manner with minimal effort and also in a smart way. But there is more: The innovation pioneer, winner of the "Digital Champion 2024" award and one of "Germany's most innovative companies in 2024", will continue working on continuous further development of its systems and has a focus on the individual customer requirements, tailored to the respective market and industry.

Photo material
Captions:

Photo: iDISPLAY.jpg
Caption: In the future, the iDISPLAY will show where the item required for the next step of the workflow is, using the LED signal.
Photo source: Niklas Streib, Würth Industrie Service GmbH & Co. KG

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 the Würth Industrial Park in Bad Mergentheim, Germany with over 1,800 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.