

PRESS RELEASE

New CPS®KANBAN flex – Modular Kanban rack for efficient material supply

Bad Mergentheim/Main-Tauber-Kreis. In collaboration with Dringenberg GmbH Betriebseinrichtungen, Würth Industrie Service GmbH & Co. KG presents the new Kanban rack CPS®KANBAN flex for a seamless, secure and efficient supply of production materials via RFID Kanban. In addition to the hitherto classic bin levels in the form of usual shelves, CPS®KANBAN flex opens up a possibility of levels without a base using modular shelves with rails. With this intelligent system solution, the two partners are setting the course for a holistic C-Parts management of the future.

The innovative CPS®KANBAN flex rack is convincing primarily because of its modular design and the possibilities associated with it; instead of the usual shelves, it can also be used on modular shelves with rails as well as drawers or even shelves with dividers for long goods. Each base can be used individually depending on different customer needs, making it possible to adapt the modules afterwards as well. The use of rail technology significantly reduces the fire load compared to conventional shelves. Furthermore, the rails in combination with the crossbars as well as the special and particularly upright profile prevent the individual bin from slipping unintentionally and always maintain their position. The fact that the rails are compatible regardless of the bin size of the patented Würth small load carrier W-KLT®2.0 also points to absolute flexibility of the rack. Four rack variants with different rack depths (600/800 mm), rack widths (1000/1300 mm) and rack heights (2000/1600 mm) are available for storing the bins. The standard rack usually consists of 2 upright frames, 18 traverses and also one iSHELF® base of the CPS®RFID family. If a bin is empty, then the integrated shelves directly detect it via an integrated sender-receiver-unit in the shelf. The rack reads the RFID chip and transfers the information about the empty bin directly to the Kanban Management System (KMS) of Würth Industrie Service developed in-house. The supply takes place centrally from the European logistics centre in Bad Mergentheim. Thus, the focus is on maximum optimisation of existing workflows in production while ensuring process and supply security at the same time. Easy integration into the existing material supply and intuitive assembly have also proven beneficial. The grid solution on the front side of the rack gives the scope to add more units. With optional perforated side panels or rear panels, CPS®KANBAN flex, as an all-rounder rack, offers great potential for attaching

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individual accessories to the CPS®ORSY factory equipment. In addition to bin fall protection for RFID levels, fully extendable drawers with a load capacity of 200 kilograms per drawer, shelves with partition inserts for long goods such as cable ties or hydraulic hoses or loose items, also base panels, closed or perforated rear and side panels, doors and additional accessories complement the new Kanban rack to perfection. To sum up, CPS®KANBAN flex is particularly convincing in terms of modularity, stability, sturdiness, load-bearing capacity, haptics, cleanliness and reduction of fire load. Apropos of load-bearing capacity: With four possible fully extendable drawers per rack, CPS®KANBAN flex guarantees an immensely high load-bearing capacity of up to 800 kilograms.

Automatic reordering included!

In addition to the classic two-bin rolling system, the new Kanban rack opens up the possibility to use radio frequency identification, or RFID for short. Under the brand "CPS® C-Product Service", Würth Industrie Service offers manufacturing industry customers highly flexible Kanban solutions for efficient and transparent optimisation of existing production processes. In particular, the fully-automated systems from the CPS®RFID family are firmly established for replenishing production materials. 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 security. 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 with the corresponding outgoing goods item. Through the various RFID systems – in case of CPS®KANBAN flex usually through iSHELF® rack – the ID of the bins can be read and transferred to the Kanban Management System for data transfer or automated re-ordering of C-Parts. Also in combination with other system solutions such as the battery-operated iPLACER® as a demand logging module, the digital rack label iDISPLAY or the weighing bin iSCALE, the Kanban rack ensures absolute security. In addition, the ORSY®mat systems of the C-Parts partner are a perfect addition for supplying auxiliary and operating materials as well as are a perfect visual complement.

Unthinkable yesterday, real today, smart tomorrow: Since 2018, the experts have been working closely together to develop a vision that is already the future now. With Dringenberg, an expert on high-quality products and solutions for operating

equipment for trades, industry and schools, Würth Industrie Service relies on a reliable partner within the Würth Group: Hand in hand, 100% made by Würth.

Images

Captions:



Photo 1: CPS@KANBAN flex.jpg

Caption 1: New Kanban rack CPS@KANBAN flex for seamless, secure and efficient supply of production materials via RFID Kanban.

Photo 1 source: Thomas Möller, bitterrechtfreundlich.de



Photo 2: Innovative rail track.jpg

Caption 2: The new Kanban rack for automated material supply with innovative rail track

Photo 2 source: Thomas Möller, 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.