**item at SPS 2019**

**Configure synchronised Linear Units
quickly and easily**

**The perfect linear technology automation solution for every need – item is expanding its intelligent software item MotionDesigner® and item Motion Soft® with an additional application area. At SPS in Nuremberg, the Solingen-based company is showing how the latest generation of software helps users with designing and commissioning mechanically synchronised Linear Units. This means sound automation solutions for pick-and-place applications and multi-axis gantries can now be configured and commissioned quickly and easily. Visitors can see for themselves the interplay between synchronised Linear Units at Stand 551 in Hall 1. item is also unveiling new components in its digital engineering program, the item Engineeringtool. A further highlight at the stand is the XMS machine cabin – the intelligent enclosure for machines and processes.**

When it comes to the key theme of the trade fair – smart production solutions – item Industrietechnik GmbH has a lot to offer. The focus is on the new functions and applications offered by [item MotionDesigner®](https://www.item24.de/en/productworld/automation/item-linear-motion-units.html) selection and design software. The intelligent program translates any transport task into an optimised, all-in-one solution. In addition to the existing applications with individual Linear Units and cantilever axes, synchronised Linear Units with a timing-belt or chain drive can now also be configured. The software determines the ideal combination of Linear Units and Synchroniser Shaft that enables several carriages to be moved in parallel. Users also receive complete project documentation and CAD data at the touch of a button. item MotionSoft® commissioning software automatically calculates the optimum controller settings, ensuring users can have their systems up and running in a matter of minutes. The storage solution on show at the item trade fair stand demonstrates the perfect interplay between synchronised linear axes. Visitors can carry out the entire process themselves, from selecting a suitable axis through to commissioning.

**Optimum enclosure of machines and processes**

The high-performance and attractive Line [XMS modules](https://www.item24.de/en/productworld/machine-enclosure-system-xms.html) from item provide a wide-ranging portfolio for configuring ideal machine enclosures. Integrated cable conduits ensure that different process and supply sections can be separated perfectly. One of the Line XMS profiles on the trade fair exhibit is cutaway so visitors can see exactly what intelligent cabling looks like. The machine cabins’ other benefits include its modular design and compatibility with other components in the item MB Building Kit System. As a result, custom requirements can be met quickly and easily.

**Systematically implementing digital engineering**

item has revamped the [Engineeringtool](https://www.item24.de/en/customer-solutions/configurators.html) to make processes in design and project engineering even more efficient. The web-based program includes all the 3D data for numerous components in the item [MB Building Kit System](http://www.item24.de/en/productworld/building-kit-system.html). Drag-and-drop placement makes it possible to create designs fast and equip them with the appropriate fasteners, caps and floor elements. By integrating additional components and features, item is creating further design variants, making the program easier to use and speeding up the whole engineering process.

Visitors to SPS can explore every aspect of automation solutions, machine cabins and digital engineering at the item stand – Stand 551 in Hall 1. The company is also exhibiting intelligent solutions for work bench systems and lean production.

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**Caption 1:** Combinations of two Linear Units with a timing-belt or chain drive and a Synchroniser Shaft can now also be configured in item MotionDesigner®.

**Caption 2:** item MotionSoft® commissioning software automatically calculates the optimum controller settings.

**Caption 3:** The Line XMS modules from item provide a wide-ranging portfolio for configuring optimum machine enclosures.

**About item**

item Industrietechnik GmbH is a global market leader in building kit systems for industrial applications and employs around 500 members of staff. It has been designing and marketing construction solutions for machinery, fixtures and plants since 1976. The product portfolio comprises more than 3,500 high-quality components designed for use in machine bases, work benches, automation solutions and lean production applications. Thanks to the inclusion of transport solutions and dynamic elements, the company’s products can cover virtually all working processes, from manual production to automated manufacturing. The highly skilled employees work day in, day out to develop innovative solutions for state-of-the-art mechanical engineering and also offer exceptional consulting services. item is headquartered in Solingen, Germany. Eleven branches and support centres ensure the company is always close to customers in Germany. The group has wholly owned subsidiaries in the USA, China, Mexico, Italy, Poland and Switzerland.

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