**New automation solutions from item**

**Configure perfectly synchronised
Linear Units**

**From separate to synced – item has overhauled its mechanical engineering software offerings** [**item MotionDesigner®**](https://www.item24.de/en/customer-solutions/configurators.html) **and** [**item MotionSoft®**](https://www.item24.de/en/service/download-center.html)**. By launching this new version, the Solingen-based linear technology specialist aims to help users configure and commission synchronised Linear Units with a timing-belt or chain drive. This will enable them to carry out pick-and-place tasks and implement strong automation solutions for multi-axis gantries quickly and conveniently. item MotionDesigner® takes care of designing the mechanically synchronised Linear Units, while commissioning software item MotionSoft®** **ensures Linear Units are perfectly coordinated.**

Mechanically synchronised Linear Units can be easily tailored to a specific transport task with item MotionDesigner®. The intelligent program determines the perfect combination of two Linear Units and one Synchroniser Shaft that enables several carriages to be moved in parallel and the load in question to be distributed equally or unevenly to both guides. The online software takes into account the specific motion profile and the available load to specify an efficient turnkey solution including a Synchronising Set, Motor, Gearbox and Controller from item. However, it can also provide the performance values for connecting to an existing system set-up. Users receive complete project documentation and CAD data at the touch of a button.

**Rapid commissioning guaranteed**

item MotionSoft® commissioning software automatically determines the optimum controller settings for mechanically synchronised Linear Units. The Linear Unit measures itself and determines all the necessary parameters for the process. The program uses the data that was generated when the Motor, Gearbox, Controller and other Linear Unit components were configured. This helps prevent errors that can occur when manually transferring data from one program to another and enables users to commission the automation solution in next to no time. item MotionSoft® accompanies the user through each step of this process. The online help system also provides detailed information about commissioning and parametrisation.

The updated software is available at <https://www.item24.de/en/productworld/automation/item-linear-motion-units.html>.

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**Caption 1:** item MotionDesigner®determines the perfect combination of two Linear Units and one Synchroniser Shaft. The load in question can be distributed equally or unevenly to both guides. Source: item

**Caption 2:** item MotionSoft® commissioning software automatically determines the optimum controller settings for mechanically synchronised Linear Units. Source: item

**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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