**One tool for all engineering tasks**

**Digital engineering – maximum cost savings and efficiency**

**Simple, fast, reliable and efficient – with the** [**Engineeringtool**](https://item.engineering/DEde/tools/engineeringtool) **from item, factory equipment design couldn’t be easier. Users create their designs without having to spend a long time getting to grips with the system or install additional software. An extensive catalogue of item products is available so they can always find the right components. The Engineeringtool is launched directly in a web browser and can be accessed by anyone, from engineers and purchasing staff through to managing directors. A comprehensive range of filters, calculation tools and product rules ensures only compatible components are used. Both standard and complex tasks in factory equipment design can be carried out quickly and reliably, resulting in much shorter project lead times.**

A digital workplace for all engineering tasks – item Industrietechnik GmbH from Solingen, Germany, has developed the Engineeringtool to offer maximum support for factory equipment design. The global market leader in building kit systems for industrial applications has fed its many years of experience into this solution. The online software is easy to use, repetitive engineering steps are simple to perform and basic frames can be created within a very short time. However, complex designs can also be produced faster than with conventional CAD programs.

**The item Engineeringtool uncovers errors immediately**

Integrated filters enable users to find suitable aluminium profiles and appropriate accessories for their application quickly and easily. The item Engineeringtool accesses the extensive catalogue of products from the item MB Building Kit System and Lean Production Building Kit System. The software immediately flags up any collisions between components. An integrated plausibility check prevents components from being placed incorrectly, and components are automatically aligned as appropriate. Dimensions can be defined for individual components or, following prior selection, for multiple components simultaneously, too. The Engineeringtool specifies the fasteners appropriate for the aluminium profiles, including the necessary profile machining. The end result is a rules-based approach to engineering that significantly reduces the risk of errors and streamlines the entire work process.

**Changes can be made immediately**

Users can modify component properties at any time and quickly create variants of their products. For example, they can easily switch from standard profiles to a design using lightweight profiles. Not only that, but the length of the profiles can be easily altered in just a few clicks. This maximum flexibility means users can continuously adapt their projects to new requirements.

**Documenting and exporting**

The item Engineeringtool compiles all engineering data in full and with no errors and transfers it automatically to a parts list and into comprehensive project documentation. To do this, the software analyses the design and checks the extent to which profiles are machined and connected. This prevents any misunderstandings or incorrect transfers. The project documentation is ready in an incredibly short space of time – a major advantage over creating derived drawings and documentation using conventional engineering programs. The documentation in the item Engineeringtool consists of a parts list, a detailed machining plan, a multiview projection, an isometric view showing all dimensions, an exploded view and an assembly guide that explains step by step how the construction is built. The project can be exported in its current status from the item Engineeringtool to all standard CAD programs at any time. When doing so, the complete geometry is transferred. If required, engineers can therefore continue to work seamlessly in their usual engineering environment and add their own products.

**Fast ordering and delivery**

The item Engineeringtool is linked directly to the item Online Shop, where users can instantly order the complete construction kit. Incomplete order quantities, missing products and incorrect connection processing are thus a thing of the past. If desired, item can also fully assemble the individual components, with the result that customers minimise their workload and warehousing costs. They benefit from short delivery times and the high availability of item components.

**Working together no matter where you are**

The engineering software can be accessed online from any end device and with any operating system. Whether via a smartphone or desktop workstation, designs can be easily shared with colleagues around the world. The internationally unique project number means everyone has the same information. Accessing information about the current project does not require a CAD program or other installations, plug-ins or apps.

In short, the easy-to-use item Engineeringtool saves users time and money. The clear depiction on a large engineering area, combined with numerous functions, filters and calculation tools, results in a reliable, error-free and efficient engineering process. The online tool is based on a carefully thought-out concept, with engineering, documentation and online ordering all carried out in just a few clicks. Construction kits are shipped in next to no time, so that short lead times and error-free results deliver maximum efficiency in the engineering process.

**Length:** 5,842 characters including spaces

**Photos: 4 (Source: item)**

**Caption 1: The item Engineeringtool helps users create basic frames within a very short time.**

**Caption 2: The engineering software can be accessed online using any end device, and designs can be easily shared with colleagues around the world.**

**Caption 3: The online software is user-friendly and can be used by virtually anyone, whether engineers, purchasing staff or managing directors.**

**Caption 4: Christian Thiel, a product manager and online tools expert at item: “The item Engineeringtool** **makes it possible to complete even highly complex engineering tasks more efficiently and much faster than when working in a conventional CAD environment.”**

**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. Today, the item product portfolio comprises more than 4,000 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.

**Company contact**

Nicole Hezinger • item Industrietechnik GmbH

Friedenstrasse 107 - 109 • 42699 Solingen • Germany

Tel.: +49 212 65 80 5188 • Fax: +49 212 65 80 310

Email: n.hezinger@item24.com • Internet: www.item24.com

**Press contact**

Jan Leins • additiv pr GmbH & Co. KG

Press work for logistics, steel, industrial goods and IT

Herzog-Adolf-Strasse 3 • 56410 Montabaur • Germany

Tel.: (+49) 26 02-95 09 91 6 • Fax: (+49) 26 02-95 09 91 7

Email: jl@additiv-pr.de • Internet: www.additiv-pr.de