**New products from item this autumn**

**Suspended Conveyor System – using gravity to supply materials**

**The** [**new Suspended Conveyor System from item**](https://www.item24.com/en-de/current-new-products/lean-production) **boasts a whole host of benefits – it is a cost-effective, flexible and space-saving solution for supplying materials efficiently. The system is perfectly suited to the manual or semi-automated transport of many parts and components, since it moves them from A to B without taking up much space. This makes it an interesting alternative to small load carriers.**

When it comes to transporting goods that take up too much space in conventional small load carriers (SLCs) or that easily become entangled, the item Suspended Conveyor System is the ideal solution. It makes supplying materials with an individual weight of up to 5 kilograms easier than ever before.

**Supplying goods automatically**

The structure is both simple and highly flexible. To get everything moving, [ESD-safe Carriages](https://www.item24.com/en-de/carriage-d37-32-esd-71567?category=current-new-products%2Flean-production%23downloads) are suspended from [item Conveyor Rail Profiles](https://www.item24.com/en-de/conveyor-rail-profile-6-30x30-80-natural-71290?category=current-new-products%2Flean-production%23technical-data). Measuring up to 6 metres in length, the individual profiles can be combined in any way you choose. An intelligent fastening technique is used to attach them at a 3° incline to a frame made from [Profile Tube System D30](https://www.item24.com/en-de/profile-tube-d30-natural-66044?esd=true&category=profile-technology). The result is transport trolleys or frames with an integrated Suspended Conveyor System. Whether or not goods are attached to them, the Carriages make their way along the low-friction Conveyor Rail Profile to the removal point by gravity alone. On arrival, the [End Stop](https://www.item24.com/en-de/insertion-guide-6-30x30-80-esd-black-similar-to-ral-9005-71611?category=current-new-products%2Flean-production) ensures that the materials and Carriages can be removed easily and ergonomically. The End Stop at the removal point brings the Carriages to a halt and also holds them in place for additional safety, such as when driverless transport systems are being used to transport goods and materials. Conveyed loads are kept safely and securely in place, despite the motion and travel around curves. What’s more, in contrast to other frequently used systems that have gradients well in excess of 5°, the item system needs only a slight incline of just 3°, which also makes it the perfect space-saving solution for transporting materials over longer distances. The Suspended Conveyor System from item is thus ideal for transporting cables, dash panel trims, car mats, measuring devices and other components used in the automotive industry – and it is equally suitable for transporting products and components in other industries, too.

At present, the item Suspended Conveyor System can be used to move goods and materials along a linear route. Future plans include conveying around curves, which will make it possible to expand applications further still. What’s more, as a mechanical, semi-automated solution, the system can also be used in Karakuri applications or for shooters, meaning that goods can be transferred from transport vehicles to material supply racks without any need for manual handling. All in all, linking up with a Suspended Conveyor System opens up multiple opportunities for efficient, semi-automated intralogistics transport.

Further information is available in our e-paper: [item new products - item (item24.com)](https://de.item24.com/en/theme-world/new-products/)

**Length:** 2823 characters including spaces

**Date:** 14 November 2023

**Photos:** 2 (source: item)

**Caption 1:** The new Suspended Conveyor System from item can be used to transport parts and components in an efficient, space-saving manner.

**Caption 2:** To get everything moving, ESD-safe Carriages are suspended from item Conveyor Rail Profiles and then move by gravity alone.

**About item**

item Industrietechnik GmbH is the pioneer in building kit systems for industrial applications and a partner of the manufacturing industry across the entire globe. Today, the item product portfolio comprises more than 4500 high-quality components designed for use in machine bases, work benches, automation solutions and lean production applications. The company has received a string of awards for products with ground-breaking industrial design and end-to-end ergonomics.

item is spearheading digital engineering by driving forward the digitalisation of processes with software tools developed in-house. The item Academy offers training at various levels, with on-demand training and online courses available in multiple languages.

Headquartered in Solingen, Germany, item has subsidiaries in various countries. Some 900 employees worldwide harness their know-how and passion to develop innovative solutions and services. Eleven sites make sure the company is always close to customers in Germany, with a global logistics chain ensuring swift delivery times for all components.

**Company contact**

Katja Regelin • item Industrietechnik GmbH

Friedenstrasse 107 - 109 • 42699 Solingen • Germany

Tel.: +49 212 65 80 5427

Email: k.regelin@item24.com • Internet: [www.item24.com](http://www.item24.com)

**Press contact**

Jan Leins • additiv

A brand of additiv pr GmbH & Co. KG

B2B communications for logistics, robotics, industry 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.de • Internet: [www.additiv.de](http://www.additiv.de)