**Strong and dependable**

**The new Karakuri/LCA chain drive from item**

**The item Building Kit System has been expanded to include the Karakuri/LCA chain drive. This new addition uses a steel chain to transmit forces to moving components – without any risk of the slippage or elongation that can occur when using cables.**

item Industrietechnik GmbH has added a Karakuri/LCA chain drive to its Lean Production Building Kit System. As a result, users now have an alternative to cables for mechanically automating processes in Karakuri/LCA applications, which utilise only physical principles such as gravity. A steel chain offers clear advantages, enabling the slip-free transmission of forces without any elongation. The new Karakuri/LCA chain drive is made up of carefully coordinated components for connecting a chain to profiles, redirecting a chain and transmitting forces via a sprocket wheel. For example, a mechanism can be built to convert the pulling of a lever into a rotational movement. What’s more, using two sprocket wheels is a simple solution for synchronising processes. The new component has a high load-carrying capacity and ensures maximum process reliability. Karakuri/LCA solutions ease the strain on staff considerably.

The interactive graphic included in our free e-paper demonstrates exactly how the new Karakuri/LCA chain drive works: [https://media.item24.com/ePaper/de/item-Neuheiten-2022-II/#20](https://atpscan.global.hornetsecurity.com/index.php?atp_str=EnRbY57_bgqW-Kk91joG3NeAwwHgmy27IxMrjPhn4A8LDUVKQ2rkeLMMnjfVOBjWc-C5VCKMQKgEy3M-hAiIamJo8nPCtwtq6XrS1iwujLOs9WjQaG4YGPdts6w6JO92JYwOBwt_Dt4YNbF7qm-h_SkfYxcFdxuqCmirtPNvyewFYYHD0JykIm9cYsegjbZDaGjpfEbrVsx_BrtXyDq3sxP4iICKAjc4YcaZay1ls9lZGh95jH16kUN_4sva83i-u8GavV1r2CDJoTK33ub7-zo5O7LuFdYfDqgSlJDYgQzfkx4VDTSRHqOTK-t655Q6tUT2U_EOXvsjOjojrnp5rFmsy_0mFRomIzo6IzhuMaCCwzck_8NshESqS8o)

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**Picture:** Source: item

**Image 1:** The new item Karakuri/LCA chain drive helps transmit forces reliably.

**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 4,000 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. Twelve sites make sure the company is always close to customers in Germany, with a global logistics chain ensuring swift delivery times for all components.

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