

**MARCH
2023**

PRESS RELEASE

**TRADE FAIR SPECIAL
AT BAU AND LIGNA –
BECK AND KEHRATEC
DEMONSTRATE LIGNOLOC®
AUTOMATION SOLUTION**



The wooden nail and the robot – the mission continues. And this time the nail shooting is real. Fastening pioneer BECK, and KEHRATEC, who is a leading specialist in the fields of robot automation, intralogistics, and process control systems, will be demonstrating the joint LIGNOLOC® pilot project at two trade fairs in 2023.

The two companies are working on the realization of a robot-assisted system for the fully or partially automated implementation of timber construction projects, particularly by pre-assembling completely glue-free and metal-free wall elements.

The system will be shown live in action at the BAU in Munich (April 17-22) and the LIGNA in Hanover (May 15-19). During the demonstrations, wall elements will be manufactured, in which the individual layers are attached by the robot with LIGNOLOC® wooden nails. A FASCO® nailing head, BECK's own brand of pneumatic tools, is used for driving in the nails. No pre-drilling is required for the collated wooden nails.

CUSTOMIZABLE SYSTEM

The automation solution will be demonstrated at the BECK booth with an original KUKA robot and a wall section. For actual use, the system can be adapted to the needs of the customer. Our experts will be happy to advise you directly on site.

LIGNOLOC® AND ROBOTICS – ADVANTAGES FOR CARPENTERS

For CEO and General Manager Christian Beck, the advantages of robotics and ecological fastening technology in mass timber construction are obvious: “Small and medium-sized timber construction companies and carpenters throughout Europe should be able to manufacture metal- and glue-free mass timber wall elements themselves”, Beck explains the vision behind the project. “With the expansion of the LIGNOLOC® ecosystem in terms of compatibility with common processing solutions, as well as the co-engineering of the flexible, digital robot platform together with KEHRATEC, the use of mass timber elements becomes more flexible and the transport distances shorter. As a final consequence, it will be cheaper for many companies to manufacture mass timber elements themselves”, Beck is convinced of the benefits of the project for the timber construction industry.

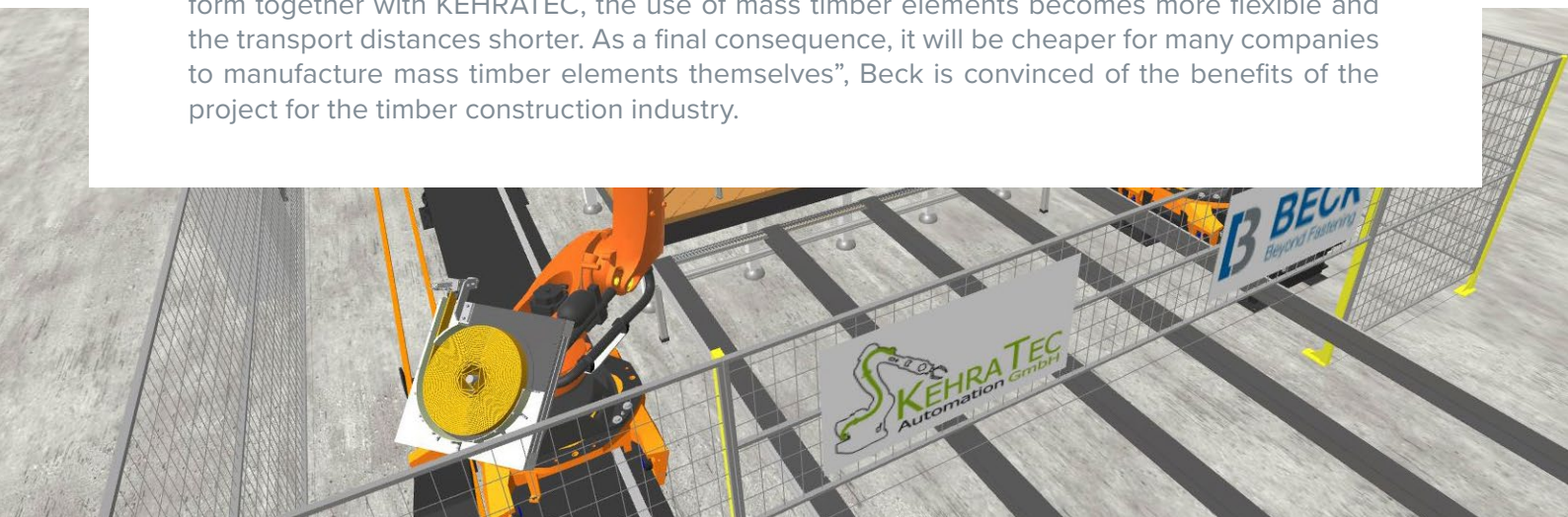




IMAGE 01:

The LIGNOLOC® automation solution will be demonstrated at the BAU in Munich and the LIGNA in Hanover in 2023. © BECK

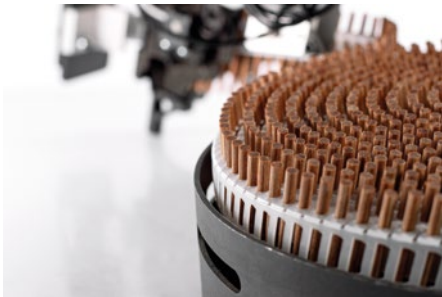


IMAGE 02:

A FASCO® nailing head – BECK's own brand of pneumatic tools – with the collated LIGNOLOC® wooden nails. © BECK



Customized applications, defined by the respective task and the individual local conditions, are the focus of KEHRATEC. Space requirements, logistics and output of the applications are ensured by means of 3D real-time simulation. Planning security guaranteed.

– www.kehratec.de



The BECK Group is one of the world's leading premium manufacturers of fastening systems and innovative fastening solutions. Founded in 1904, the family-owned company, now in its fourth generation, is globally active with customers in more than 50 countries.

– www.beck-fastening.com

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<https://sharenode.beck-fastener.com/pydio/public/41b16f>

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