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## Press release

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Hannover Messe 2024:

A cobot learns to draw – thanks to AI image recognition

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Press release from March 6, 2024

*The IPH – Institut für Integrierte Produktion Hannover gGmbH will be exhibiting a cobot that can draw at Hannover Messe 2024 from April 22 to 26. The exhibit illustrates the connection between artificial intelligence (AI) and robotics in production. It can be seen in Hall 2 (Research Hall) at Stand A10, the joint stand of the Lower Saxony Ministry of Science.*

The IPH trade fair exhibit is an example of how robots can work together with AI to master unpredictable situations – without a human having to reprogram them. This offers small and medium-sized companies in particular the opportunity to maintain or even increase their production in times of a shortage of skilled workers and strengthens Germany as a business location.

Cobots are collaborative robots that can take over tasks in production that were previously carried out by humans. In contrast to traditional industrial robots, cobots are allowed to work directly with humans – because they are not intended to replace skilled workers, but to support them.

The cobot that the IPH is showing at the Hannover Messe can trace photos in detail. The previously unknown photos are analyzed using AI image recognition and converted into movement instructions for the cobot. The combination of robotics and AI image recognition can be implemented in various production areas in the future, such as welding. For example, the robot could automatically analyze a joint to be welded and then independently calculate and execute the necessary movements.

At the trade fair stand, IPH employees will also be providing information on numerous other AI applications – from AI-based sales planning and automated order checking to AI-based analysis of medical data. Visit the IPH at the Hannover Messe in Hall 2, Stand A10: <https://www.hannovermesse.de/exhibitor/iph-institut-fur-integrierte-produktion/N1511939>

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### About the IPH

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The IPH – Institut für Integrierte Produktion Hannover gGmbH (which literally translates into Hannover institute of integrated production) is a service provider for production technology and was established in 1988 at the Leibniz University in Hannover. The IPH offers research and development, consultation and qualification concerning the subjects of process technology, production automation and logistics. Its customers include companies from the sectors of tool and mould construction, machine and plant construction, aerospace and the automotive industry, electro industry and forging industry.

The business has its headquarters in the science and technology park – Science Area 30X in the northwest of Hannover and currently employs about 80 people, of which about 30 are scientific personnel.

## Note for the editors

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For further information, please contact

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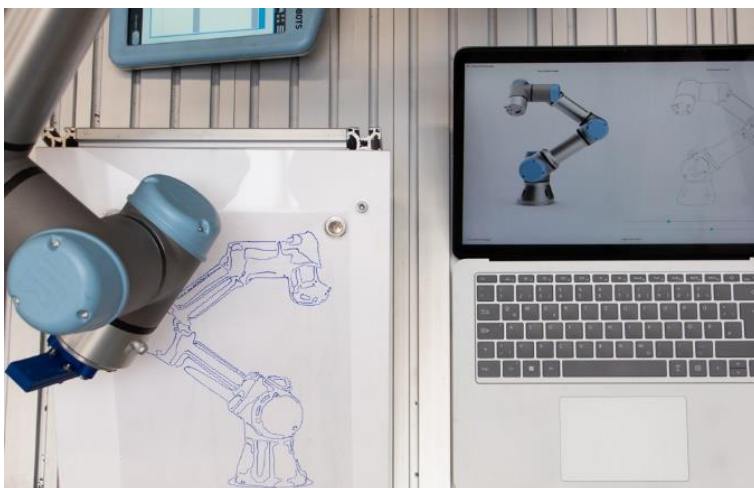
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## Bildmaterial

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Cobots are collaborative robots that can work directly with humans to support them. (Photo: Susann Reichert / IPH gGmbH)



The cobot that the IPH is showing at Hannover Messe can trace photos – thanks to AI image recognition. (Photo: Susann Reichert / IPH gGmbH)