

## Press release

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automatica 2023: fruitcore robotics shows HORST1000 and new Operating System

### **Automate intelligently and seamlessly thanks to connectivity and AI**

Constance, 13.06.2023 – fruitcore robotics underlines its role as a pioneer of intelligent robotics and automation solutions with new developments at automatica 2023. With the slogan “Hello. Smart Production.” the Constance-based company will showcase its innovations around “Digitalization and AI” at booth 301 in hall B4, one of the focus topics of the leading trade fair for intelligent automation and robotics, which opens its doors in Munich from June 27-30. fruitcore robotics will use the trade fair to present Digital Robot HORST1000 to a large international trade audience for the first time. In addition, the new HORST Operating System supported by artificial intelligence will be presented.

fruitcore robotics’ innovations set the course for seamless robot integration into industrial processes. They deliver solutions that are urgently needed in the face of today’s challenges such as competitiveness and the shortage of skilled workers. With HORST1000, the latest Digital Robot in the industrial robot family, industrial processes such as loading and unloading machines are significantly optimized. This is made possible by technological innovations, advanced software and standardized interfaces and connectivity, and ensures more efficient production. “Our intelligent Industrial Robots are designed to offer our customers the best return on investment in the robotics market,” says Jens Riegger, Managing Director (CEO) of fruitcore robotics.

#### **HORST1000: Increased performance through AI technology**

The patented robot transmission was further developed in HORST1000 by using a machine learning algorithm, which significantly improved performance features such as payload, range and workspace. The new all-rounder has a payload of up to 8 kilograms and a range of 1,018 millimeters. The three-dimensional workspace of HORST1000 is particularly outstanding: it has increased by 40% compared to HORST900, allowing 50% larger trays to be processed. From the base, HORST1000 can move around 230 millimeters further forward than its predecessor, which corresponds to a 43% longer linear path. This allows customers to enter machines more easily. Higher acceleration values of the individual axes in the nominal load range also ensure shorter cycle times. In a classic pick & place process, this improves the cycle time by up to 20%. In addition, the maximum payload of 8 kilograms also allows the use of heavy tools and complex multiple gripper systems.

#### **Operating System supported by AI sets new standards**

In parallel to the presentation of HORST1000, fruitcore robotics will present its new Operating System supported by artificial intelligence at automatica 2023. It offers a wide range of digital services and helps to further increase the benefits of intelligent industrial robots. The exact details will be revealed at the trade fair. “Only this much can be revealed,” says Patrick

## Press release

Heimbürger, Managing Director (Chief Revenue Officer) of fruitcore robotics. “Our new Operating System incorporates the most advanced technology and deep artificial intelligence integration. It sets new standards for the rapid integration of industrial robots into processes such as machine loading and unloading, quality control, part separation or adhesive and sealant application.”

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**Meta-Title:** *automatica 2023: fruitcore robotics presents HORST1000 and new Operating System*

**Meta-Description:** *Learn more about fruitcore robotics’ latest innovations at automatica 2023. Discover the powerful Digital Robot HORST1000 and the groundbreaking new AI-powered Operating System.*

**Keywords:** *fruitcore robotics; HORST1000; intelligent industrial robots; Digital Robot; Operating System; automation; digitalization; AI; Artificial Intelligence; connectivity; innovation*

**Social Media:** *At automatica 2023, fruitcore robotics will showcase its latest developments in the field of AI and digitalization, one of the focus topics of the leading trade fair for intelligent automation and robotics. The Constance-based manufacturer of intelligent automation solutions and self-developed Digital Robots will use the trade fair to present Digital Robot HORST1000 to a large international audience for the first time. In addition, the new HORST Operating System supported by artificial intelligence will be presented. “Our new Operating System incorporates the most advanced technology and deep artificial intelligence integration. It sets new standards for the rapid integration of industrial robots into processes such as machine loading and unloading, quality control, part separation or adhesive and sealant application,” says Patrick Heimbürger, Managing Director (Chief Revenue Officer) of fruitcore robotics.*

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### Pictures

(preview, will be provided separately in better quality)



Caption: Digital Robot HORST1000, optimized by machine learning: up to 8 kg payload, 1,018 mm range, enlarged workspace.



Caption: At automatica 2023, fruitcore robotics will present its portfolio of intelligent automation solution and Digital Robots. The focus will be on two innovations: HORST1000, the latest Digital Robot from fruitcore robotics, and the new AI-powered Operating System.

## Press release

### About fruitcore robotics

fruitcore robotics is a manufacturer of intelligent automation solutions and self-developed Digital Robots. The deep-tech company's intelligent industrial robots and innovative operating software are characterized using the latest technologies and artificial intelligence, as well as seamless integration into industrial processes through standardized interfaces and connectivity. The product portfolio includes three models of the Digital Robot HORST with 600 - 1,400 mm range and payloads up to 12 kg. In addition, the intuitive horstFX software for quick implementation of simple and complex applications, the Industrial IoT platform horstCOSMOS.com, and plug & play solutions for complete applications, such as part separation. The robot systems are Made in Germany and include numerous patented innovations, most notably the robot gearbox invented by fruitcore robotics.

fruitcore robotics was founded in 2017 and currently employs more than 100 people. In addition to its headquarters in Constance at Lake Constance, the company has another production site in Villingen. The deep-tech company has received several awards, including the Best of Industry Award from MM Maschinenmarkt magazine in the Robotics category (2020), the special prize from the Mittelständische Beteiligungsgesellschaft Baden-Württemberg (MBG) awarded as part of the Baden-Württemberg Innovation Prize 2020, and the German Innovation Award 2021 ("Winner" in the Excellence in Business to Business - Machines & Engineering category). For more information, please visit [www.fruitcore-robotics.com](http://www.fruitcore-robotics.com)

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