

## Press Release

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The new HORST1000 G2 from fruitcore robotics:

### **The strongest industrial robot in its class**

**Constance, October 8<sup>th</sup> 2024 – Following the successful market launch of HORST1500, the first industrial robot of the new generation of Digital Robots, fruitcore robotics launches HORST1000 G2. The second robot of this new generation combines innovative drive technology with intuitive operation and AI Copilot. HORST1000 G2 is quick to install and program – it requires no expert knowledge. It also offers the best lifetime costs on the market.**

#### **Technology leadership through innovative drive technology**

With a payload of up to 16 kg, HORST1000 G2 is the strongest robot of its size class on the market. Like HORST1500, the robot is characterized by a unique, patented drive technology that is maintenance-free and particularly cost-efficient, thus significantly reducing lifetime costs. A 6-year warranty on the drive train underlines the system's reliability and cost-effectiveness.

“Our technology combines innovation and economic value to make automation accessible to a broad user base,” says Jens Riegger, CEO of fruitcore robotics. “Companies that rely on our robots achieve an impressive return on investment in just a few months, giving them a clear competitive advantage.”

#### **Intelligent control and safe human-machine interaction**

One highlight of the new Digital Robot generation is the AI Copilot integrated into the control software, which equips the robot with cognitive abilities. This technology allows users to communicate with the robot in real time and to solve complex tasks quickly and accurately with AI support. The AI Copilot not only simplifies support, but also helps with specific programming tasks. This further increases flexibility and significantly reduces dependence on experts.

In addition, HORST1000 G2 features advanced safety solutions designed for safe use with humans. Like all fruitcore robotics robots, the robot can be operated at a safely reduced speed and with safety sensors, even without a protective fence. It is also available as a ready-to-use solution kit that meets all safety requirements and saves valuable time in CE conformity.

#### **Optimized for machine loading and harsh environments**

With a reach of 1141 mm and a payload of up to 16 kg, HORST1000 G2 is optimized for machine tending and parts handling tasks. It effortlessly moves heavy tools and components across the entire workspace. The robot is equipped with IP54 protection. This makes it ideal for harsh production environments.

Thanks to its compact design, HORST1000 G2 can move close to machines and reach deep into them, significantly increasing flexibility in cramped production environments. The robot processes trays with a work surface of up to 450 x 900 mm or in a square format of up to 520 x 520 mm.

Intelligent software features enable flexible management of different machine production programs for different work orders. The smooth integration of machine functions, such as automatic door opening and communication with clamping devices, offers a particularly efficient solution for CNC machines. In

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addition, the improved axis acceleration increases efficiency when handling heavy parts and when using large grippers.

### **Ready for immediate use for CNC machines in metal processing**

In combination with the automation module for machine tending, HORST1000 G2 offers an out-of-the-box solution that has been specifically developed for machine tending. “This enables a quick implementation in production lines, with only 15 % of the usual project effort,” explains Jens Riegger. Thanks to existing interfaces to most CNC machine manufacturers, the robot can be seamlessly integrated.

In metalworking medical technology, robots are used to manufacture surgical instruments, where they efficiently load and unload CNC milling or turning machines and prepare manufacturing processes. They are also used in the metalworking automotive industry to load and unload machines, and ensure consistently high quality in measurement and testing technology tasks.

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**Meta-Title:** *HORST1000 G2 from fruitcore robotics: the strongest industrial robot in its class*

**Meta-Description:** *Discover the new HORST1000 G2 from fruitcore robotics – with up to 16 kg payload, innovative drive technology and AI Copilot. Optimized for machine loading and maximum efficiency in demanding production environments.*

**Keywords:** *#HORST1000G2 #fruitcorerobotics #industrialrobot #AI #machineload #automation #drivetechnology #new #DigitalRobot #AI*

**Social Media:** *Following the successful market launch of HORST1500, the first industrial robot of the new generation of Digital Robots, fruitcore robotics launches HORST1000 G2. The second robot of this new generation combines innovative drive technology with intuitive operation and AI Copilot. HORST1000 G2 is quick to install and program – it requires no expert knowledge. It also offers the best lifetime costs on the market.*

### **Visual material**

(Preview. We will provide you with high quality images separately.)



Caption: With a payload of up to 16 kg, HORST1000 G2 effortlessly moves heavy tools and components across the entire workspace.

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Caption: fruitcore robotics' unique drive technology ensures low costs – short-term for procurement, sustainable for operation.



Caption: HORST1000 G2 is equipped for harsh production environments with IP54 protection.



Caption: HORST1000 G2 in the Machine Tending Solution Kit: A ready-to-use solution for loading and unloading machines that enables rapid implementation in production lines.

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Caption: HORST1000 G2 uses the latest AI technology from fruitcore robotics to simplify complex tasks.

### **About fruitcore robotics**

With its Digital Robot Platform, fruitcore robotics offers all the building blocks for automation in industry - from project planning to ongoing operation. At the heart of the Digital Robot Platform are the industrial robots HORST, developed in-house and optimized using AI. The product portfolio includes three models of the Digital Robot HORST with a reach of 600 - 1,500 mm and a payload of up to 16 kg. In addition, the holistic approach of the Constance-based company includes central AI-supported control software for the rapid implementation of simple and complex applications, pre-configured automation modules and supporting services. The robot systems are made in Germany and include numerous patented innovations, above all the robot gearbox invented by fruitcore robotics.

fruitcore robotics was founded in 2017 and currently employs about 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 Mittelständische Beteiligungsgesellschaft Baden-Württemberg (MBG), which was awarded as part of the 2020 Innovation Prize of the state of Baden-Württemberg, and the German Innovation Award 2021 ("Winner" in the Excellence in Business to Business - Machines & Engineering category). Further information can be found at <https://www.fruitcore-robotics.com/en/>

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