

Press Release by fruitcore robotics

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Next-generation robots from fruitcore robotics: HORST600 G2 and HORST800 G2 set a new benchmark for performance and cost efficiency

Constance, April 10, 2026 – fruitcore robotics is launching two new 6-axis industrial robots: HORST600 G2 and HORST800 G2. The second generation of the HORST platform delivers cycle times up to 40 percent shorter, more than double the payload capacity and a significantly larger working envelope. “With HORST600 G2 and HORST800 G2, we are making industrial robotics even more versatile, more powerful and more reliable. Thanks to standardization, simplicity and the use of AI, we are also able to offer robotic solutions with a truly outstanding price-performance ratio,” says Jens Riegger, CEO of fruitcore robotics.

Industrial companies are under growing pressure. Skilled labor shortages are worsening, while demands on productivity and flexibility continue to rise. Automation is no longer optional – it is an operational necessity. Yet implementation still too often fails because of complexity and cost. This is exactly where the new G2 generation comes in: easier integration, higher performance and a more attractive price point.

Unique lifecycle costs due to technological leadership

Today, it is not only the initial purchase price that can make robot automation unattractive. In many cases, it is the often unpredictable and high lifecycle costs that hold companies back.

The new G2 robots are based on a redesigned mechanical platform with an integral structure and no sheet-metal covers. This improves serviceability and maintenance, as all service-relevant components are easily accessible and simple to replace. fruitcore robotics’ patented encoder technology on the output side continues to ensure that the robots maintain their precision over their entire service life without the need for reteaching. This is reinforced by new drivers, revised bearings and new precision gear units with up to 400 percent less backlash.

With the launch of these two new models, the entire HORST portfolio – from HORST600 G2 to HORST1500 G2 – is now designed for a service life of ten years in three-shift operation. The basis for this is the fundamentally different drivetrain used in HORST robots, which lasts up to four times longer than comparable products. With more than 1,000 robots in industrial use and nearly a decade of continuous development, fruitcore robotics is able to pass this technological advantage on to its customers in the form of a six-year warranty on the drivetrain. The result is attractive lifecycle costs and a high level of investment security.

“The G2 generation is a technological leap, not just an update. We have fundamentally redesigned the mechanics, drives, bearings and gear units from the ground up. The result is a new class of robots that meets the highest standards in rigidity and dynamic performance,” says Patrick Heimburger, Managing Director of fruitcore robotics.

Applications and technical highlights

Whether for machine tending, quality inspection or pick-and-place, HORST600 G2 covers a broad range of applications with a reach of 610 mm, a payload of 7 kg and repeatability of ± 0.05 mm. HORST800 G2 goes one step further: with an 840 mm reach and a 6 kg payload, it opens up applications where previous models reached their limits – for example, reaching deep into machines within a very compact footprint.

Both models can be mounted on the floor, ceiling or at an angle. HORST600 G2 can also be wall-mounted. Thanks to a larger working range combined with a more compact robot design, as well as standard certification for cleanroom class ISO 6 (ISO 5 available on a project basis), both robots offer even greater deployment flexibility. They also meet demanding requirements in sensitive or harsh environments with IP65 protection on axes 5 and 6 and IP54 on the remaining axes.

Like all robots from fruitcore robotics, the new models are designed for fast and flexible deployment with horstOS, the company's operating software, which includes integrated AI capabilities such as voice control.

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Availability and webinar: HORST600 G2 and HORST800 G2 are now available to selected customers and will enter series production in Q4 2026. On April 29, 2026, from 11:00 a.m. to 12:00 p.m. (CET), fruitcore robotics will present both models in detail in a live webinar. Registration is available via www.fruitcore-robotics.com.

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Meta-Title: *fruitcore robotics unveils HORST600 G2 and HORST800 G2 – a new robot generation for greater performance and cost efficiency*

Meta-Description: *With HORST600 G2 and HORST800 G2, fruitcore robotics introduces two new 6-axis industrial robots: up to 40% faster, up to 130% more payload, an attractive price-performance ratio and a six-year drivetrain warranty.*

Keywords: *fruitcore robotics; fruitcore robotics; HORST600 G2; HORST800 G2; industrial robot; 6-axis robot; machine tending; horstOS; AI Copilot; Physical AI; automation; robotics*

Social Media: *fruitcore robotics introduces two new industrial robots: HORST600 G2 and HORST800 G2. Up to 40% shorter cycle times, up to 130% more payload and a larger working envelope – with a smaller footprint and a lower price. Backed by a six-year drivetrain warranty and intuitive control via horstOS with AI Copilot. Series availability starts in Q4 2026.*

Images – Higher-quality images available upon request



[Image 1] Caption: The new HORST600 G2 and HORST800 G2 industrial robots from fruitcore robotics.



[Image 2] Caption: HORST600 G2 mit control panel and control unit



[Image 3] Caption: HORST800 G2 mit control panel and control unit

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About fruitcore robotics

Today, virtually every robotics installation is built from scratch. The result is typically months of dependence on third-party providers and one-off setups that cannot be replicated. This is not a technology problem. It is a platform problem.

fruitcore robotics is building the Physical AI platform for industrial automation. Founded in Konstanz in 2017, the company develops the entire technology stack in-house: robotics hardware, the AI-native control software horstOS, and an intelligence layer for AI capabilities and increasingly autonomous automation. More than 1,300 systems are already running in manufacturing companies worldwide. They typically pay for themselves in less than six months and are backed by a six-year drivetrain warranty.

With this platform, fruitcore robotics turns automation from a project-based undertaking into a configurable system - for end customers as well as for OEM partners using the platform to automate their own processes and equipment.

More informationen: www.fruitcore-robotics.com

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Appendix: Technical Data

Additional technical specifications on HORST600 G2 and HORST800 G2

	HORST600 G2	HORST800 G2
Number of axes	6	6
Max range	610 mm	840 mm
Nominal load (VDI 2861-2)	5 kg	5 kg
Maximum payload	7 kg	6 kg
Repeatability	±0.05 mm	±0.05 mm
Weight robot	38 kg	40 kg
Protection classification	IP54 / IP65 (A5+A6)	IP54 / IP65 (A5+A6)
Cleanroom class according	ISO 6 / ISO 5*	ISO 6 / ISO 5*
Permitted installation	Floor, wall, overhead, angled	Floor, overhead, angled
Sound level	<70 dB(A)	<70 dB(A)
Power supply	230 VAC, 50–60 Hz	230 VAC, 50–60 Hz
Drive train warranty	6 years	6 years

**ISO 5 with laminar airflow. Consideration on a case-by-case basis in consultation with fruitcore robotics.*

Control

Dimensions: 313 × 174 × 446 mm | Weight: ca. 10 kg | Protection classification: IP20

E/A: 20 digital inputs (expandable to 28), 18 digital outputs (expandable auf 30)

Fieldbuses: Profinet, EtherCAT, Modbus/TCP

Safety: Emergency stop, safety stop in accordance with DIN EN ISO 10218-1 (PL d)

Control Panel: 13.3" 2,5K touchscreen, emergency stop, 2× 3- point enabling switch