

Press Release

2,291 characters incl. spaces | 3 images | Reprint free of charge – copy requested to fruitcore robotics

fruitcore robotics:

New software update brings complex paths to graphical programming

Germany, Constance, November 15th, 2023 – fruitcore robotics is rolling out a new software update for its intelligent HORST industrial robots. The update enables users, from beginners to experienced robot experts, to intuitively program complex paths in the graphical user interface of the horstFX control software. The function, which was previously limited to textual programming, significantly reduces set-up times for a wide range of industrial processes.

The new feature "Complex paths in graphical programming" makes the automation of path-controlled processes, such as those that occur in applications like gluing, varnishing, assembly and joining, easier and faster than ever before. By simply navigating the graphical user interface, the user can intuitively program any complex path, be it a path or curved motion or a contour, in just a few minutes. This time saving enables the entire application to be set up within a few hours - even for users without coding skills or specialized expert knowledge.

Increased process reliability

"Complex paths in graphical programming" not only improves the user-friendliness of automation with fruitcore robotics' digital robots, but also offers numerous advantages in terms of process reliability. Running processes with complex movements can now be better visualized, which makes process monitoring easier and speeds up error detection and rectification. This leads to noticeably higher system availability. The function also serves as an effective tool for collision avoidance. Instead of laboriously teaching in a large number of support points to avoid an obstacle, a complex path can be defined that avoids obstacles. This increases process reliability and saves the user a lot of valuable time in demanding programming environments.

Further new features in horstFX

In addition to the main function "Complex paths in graphical programming", the horstFX release brings further new functions. These include "storable variables", calling graphical functions from textual programs and commands for easier work with sockets. "Storable variables", for example, help users to make their systems more reliable by saving the status of programs even when the system is paused.

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Meta-Title: *Software release: fruitcore robotics brings complex paths to graphical programming*

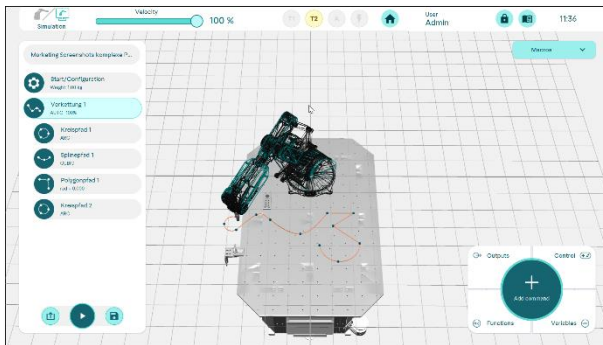
Meta-Description: *The new function of the horstFX control software improves the user-friendliness of automation with digital robots and shortens set-up times for processes such as gluing, varnishing, assembly or joining.*

Keywords: *fruitcore robotics; intelligent industrial robots; software release; HORST Digital Robot; Innovation; graphical programming*

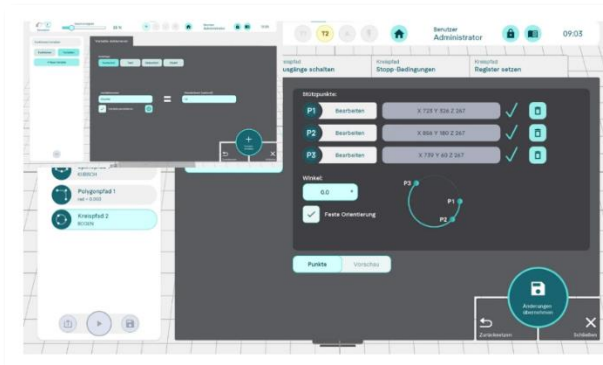
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Image material

(Preview, will be provided separately in better quality)

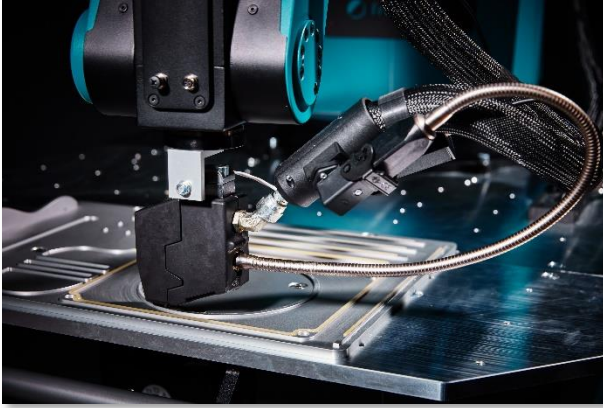


Caption: The programming and linking of complex paths is now also possible in the horstFX graphical user interface.



Caption: Programming an arc in the graphical input mask.

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Caption: The "Complex paths in graphical programming" function significantly reduces the set-up time of HORST robots for industrial processes such as gluing.

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 intelligent industrial robots HORST, developed in-house and optimized using AI. The product portfolio includes three models of the HORST digital robot with a reach of 600 - 1,400 mm and a payload of up to 12 kg. In addition, the holistic approach of the Constance-based company includes central 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 more than 100 people. In addition to its headquarters in Constance on 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/>

Contact

fruitcore robotics
Sylvie Rest
PR & Communication Manager
T: +49 7531 9762461
E: sylvie.rest@fruitcore.de