



AGILE ROBOTS



Say hello to
Yu 5 Industrial



The all-round **power tool**

With its integrated intelligent camera and exceptional precision, the Yu 5 Industrial sets new standards in collaborative robotics. Its intuitive software enables fast setup and efficient task deployment across diverse industrial settings.

Thanks to its plug-and-play connectivity, the Yu 5 Industrial facilitates seamless integration into any workflow – while complying with the highest standards for human-robot collaboration as specified in ISO 10218-1, ISO 13849 and IEC 61508.

The Yu 5 Industrial is certified by TÜV Süd.

Compact yet powerful

6 axes, 5 kg payload on a workspace radius of 1000 mm and 7 kg payload at 850 mm.

Intelligent vision

An AI-supported camera enables a detailed visual understanding of the environment.

Precise force sensing

Advanced sensor technology ensures safe collaboration and tactile handling of objects.

User-friendly operation

The intuitive interface ensures high user adoption, providing time and cost-efficient integration.



Effortless programming.

No prior knowledge needed



Just like the Yu 5 Industrial robot, the visual interface was designed to be intuitive and user-friendly. Thanks to its precise process mapping, consistent patterns and user-controlled workflows, you are in charge every step of the way – no prior experience needed. If you can handle a smartphone, you can program a task on your device of choice. Directly on your desktop or tablet browser.

Intuitive programming

The interface was designed to be used by beginners and experts alike. It enables the user to create tasks via drag & drop and by hand guiding the robot directly, allowing a quick parametrization. The operator can utilize a variety of preinstalled program templates and skills, and tailor their own apps for further use.

Virtual simulation

The interface allows the user to optimize and analyze the production process by utilizing a digital twin. A virtual simulation can test and validate a task before running it on the robot. This permits the user to work more efficiently, as motion patterns and path previews can be visualized digitally.

Real time feedback

Thanks to the vision inspection dashboard, the user is provided with all relevant data at a glance: cycle count, uptime, commands and other helpful statistics are accessible in no time. This enables the user to be in charge at any time. If issues occur, the user is promptly alerted and can intervene if necessary.



Enabling industry. Enabling you



Skilled for every trade

The Yu 5 Industrial was designed to change the way we manufacture. Thanks to its industrial-grade design, outstanding sensitivity, user-friendly handling, easy integration and high safety standards, any business can benefit from the robot's groundbreaking automation skillset.



Quality inspection

Thanks to the high repeatability of 0.05 mm, the precise torque sensing and control, as well as the integrated camera system, the robot can autonomously inspect, test, or measure manufactured parts, guaranteeing a high-quality final product.

Machine tending

The Yu 5 Industrial is designed to load and unload production machines seamlessly, while significantly relieving the workforce and reducing the risk of possible accidents. The robot opens up the possibility of unmanned night-production, allowing non-stop manufacturing.

Assembly

Screwing, bolting, sticking or other fastening methods: The plug-and-play connectivity allows an easy integration of different extensions into a workflow. Its adaptability, integrated torque control and ease of use make the Yu 5 Industrial the perfect tool for any assembly task.

Dispensing

Dispensing the right amount of liquid demands high sensitivity and pose repeatability. With the help of a dispenser, the robot can repeatedly apply the right quantity in the desired location, while significantly reducing spillage and waste in the process.

Packaging

Thanks to its torque sensors in every axis, high flexibility, long reach, and sophisticated control algorithms, the Yu 5 Industrial can handle small and fragile parts with care. Supported by an integrated camera, it can furthermore pick and place objects autonomously.

And more

Its user-friendly design and visual interface allow anyone to perform an industrial task independently. The Yu 5 Industrial can also be equipped with different extensions: Just like a regular tool, this allows a quick adaptation to any task, enabling scalable solutions.

Automation for any industry, of any size



Education and science



Manufacturing and machining



Medical and cosmetics



Computer, consumer electronics and communication



Plastic and polymers



Automotive

And many more

Agile Robots SE is a world-class provider of next-generation automation solutions. By combining artificial intelligence and robotics, the company makes industries smarter, more flexible, and more efficient.

Founded in Munich in 2018 by renowned robotics researchers from the German Aerospace Center (DLR), Agile Robots has experienced rapid global growth. Today, more than 2,300 highly skilled robotics and AI enthusiasts are employed in Germany, China and India. The company has one of the largest research and development teams in the AI and robotics industry.

Agile Robots has built a unique portfolio, together with the subsidiaries Franka Robotics, BÄR Automation, and the joint venture with BMW, idealworks, the company covers all areas of AI-driven robotics.

Find out more about our customized solutions.
Book a consultation or demo.
Contact our experts today.

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