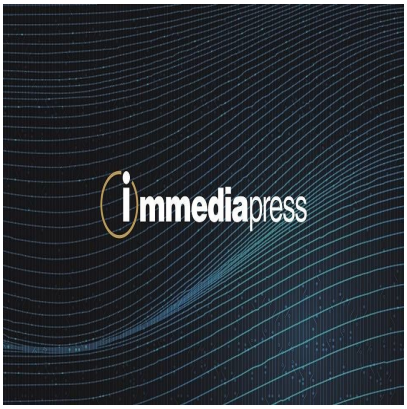

Vention and FANUC America Join Forces to Bring Industrial Robots to Ventionâ??s AI-Driven Hardware and Software Platform

Descrizione

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CHICAGO, June 22, 2026 /PRNewswire/ â?? Vention, the leading digital-first industrial automation platform, and FANUC America, the global leader in industrial robotics and factory automation, today announced an expanded collaboration focused on simplifying industrial robot deployment through AI-powered programming, digital twin technology, and modular automation.

The collaboration combines FANUCâ??s industrial and collaborative robot portfolio with Ventionâ??s unified automation platform, enabling manufacturers to design, simulate, deploy, and operate robotic systems from a unified environment. The expanded platform now supports multiple FANUC robot families, including CRX collaborative robots, LR Mate industrial robots, LR-10iA series robots, M-710iD series robots, and M-20iD series robots.

By integrating collision-free path planning , no-code and Python programming capabilities, the companies are helping manufacturers reduce commissioning complexity while accelerating automation adoption. Powered by Foundation Stereo, an
NVIDIA Isaac open model that helps robots see depth using stereo cameras, the system generates a real-time 3D understanding of the workspace using a zero-shot stereo depth estimation, enabling MachineMotion AI to build a digital twin and automatically compute collision-free robot paths

These capabilities now extend across FANUCâ??s robotic portfolio, enabling manufacturers to deploy a wide range of applications, from machine tending and pick-and-place to palletizing, welding, and high-speed industrial automation.

Unlike traditional robotic systems that require extensive manual programming and custom integration, the combined solution enables users to design automation systems using modular, pre-validated components that work together seamlessly. Manufacturers can easily generate and validate logic, realistically simulate robotic motion, and test cell interactions before deployment, significantly reducing integration risk and accelerating production ramp-up.

â??By extending Ventionâ??s platform to FANUC industrial robots, enterprise manufacturers in heavy industry can move from automation design to production much faster,â?• said Ã?tienne Lacroix. â??Combined with FANUCâ??s proven reliability and long-standing track record in industrial automation, this partnership gives manufacturers a dependable path to scaling production automation.â?•

â??Weâ??re seeing strong demand from manufacturers for automation thatâ??s easier to deploy and faster to bring online, especially as labor challenges continue,â?• said Dick Motley, Director, Authorized System Integrator Network at FANUC America. â??Many companies want to automate but are looking for solutions that reduce complexity and are easier to implement. Ventionâ??s AI-powered platform helps customers deploy FANUCâ??s industrial and collaborative robots, allowing them to get up and running more quickly while maintaining the performance and reliability they expect from FANUC.â?•

Advancing Goal-Driven Industrial Automation

The announcement highlights Ventionâ??s MachineMotion AI and MachineLogic ecosystem, introducing a new approach to robotic programming for both collaborative and industrial robots.

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Rather than manually programming robot paths waypoint by waypoint, operators simply define start and end targets. The system then automatically scans the workspace and computes the optimal collision-free path between the two points without requiring manual waypoint programming.

This goal-driven approach enables manufacturers to deploy more adaptive robotic applications that respond dynamically to changing production conditions, mixed-SKU operations, and evolving factory layouts. The platform enables manufacturers to validate robotic motion and automation logic before deployment while accelerating commissioning and adapting more quickly to changing production requirements.

Built on modular hardware and software components, the platform enables faster commissioning and scalable automation deployments that can quickly respond to new SKUs, fixtures, and production layouts. Powered by MachineMotion AI, the system combines machine vision and intelligent motion control to enable flexible robotic automation in dynamic manufacturing environments.

Live Demonstrations at Automate 2026

The power of this collaboration is on display this week in Chicago:

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About Vention

Vention is leading the future of industrial automation with the worldâ??s only AI-powered full-stack platform, unifying hardware, software, and physical AI into one seamless experience. With over 25,000 machines deployed worldwide and a community of more than 4,000 factories, Vention enables businesses to design, program, deploy, and operate turnkey or custom automation solutions in just days. Vention brings together intelligent software and modular hardware to deliver automation that works right the first time. Visit

Vention to learn more.

About FANUC

FANUC America Corporation is a subsidiary of FANUC CORPORATION in Japan, and provides industry-leading CNC systems, robotics and ROBOMACHINEs. FANUCâ??s innovative technologies and proven expertise help manufacturers in the Americas maximize productivity, reliability and profitability. Headquartered in Rochester Hills, Mich., FANUC America has facilities throughout North and South America. Visit www.fanucamerica.com for more information or explore the CRX line of cobots at CRX.FANUCAmerica.com.

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