SIEMENS

Press

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Logimat 2025, hall 3, booth D11

Siemens presents the future of intralogistics: Simatic Robot Pick AI Pro enables machine builders to develop their own adaptive picking robots

- **Pioneering automation: Siemens combines industrial AI technologies, software-defined controllers, and data-driven analytics in a highlight showcase**
- **Simatic Robot Pick AI Pro: AI vision software enables reliable robot-operated picking of unknown objects**
- **Siemens Industrial Copilot: Crucial support for the development of complex machines**

Siemens is presenting its new developments in industrial automation and digitalization for the intralogistics industry at this year's Logimat. Faced with global challenges like labor shortages, growing sustainability requirements, and demographic change, the technology company is introducing innovative automation and digitalization solutions that increase efficiency, adaptability, and sustainability in intralogistics. With Simatic Robot Pick AI Pro, an industrial vision AI for the development of AI-supported picking robots, Siemens demonstrates in a highlight showcase how the combination of software-defined and data-driven automation creates more adaptability and flexibility in automation solutions in order to overcome the challenges and complexity of today's intralogistics and to offer future-proof solutions. The Siemens Xcelerator ecosystem plays a central role by promoting innovation and integration across platform boundaries, which is accelerating the transition to a Digital Enterprise.

A blueprint for software-defined automation for advanced robotic solutions for robot-based picking of small parts in the intralogistics industry:

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The centerpiece of the showcase at the Siemens booth is Simatic Robot Pick AI Pro, a pre-trained deep-learning vision software from Siemens that enables model-free 3D robot picking of unknown objects with individually adaptable vacuum multi-grippers. The software reliably delivers gripping poses (6-DoF) for a wide variety of inventory items in milliseconds, regardless of their shape, size, or packaging. This means that Simatic Robot Pick AI Pro will facilitate the development of cost-effective, autonomous, and scalable robot solutions for single-piece order picking for sectors like e-commerce. It also addresses the labor shortage associated with monotonous picking tasks.

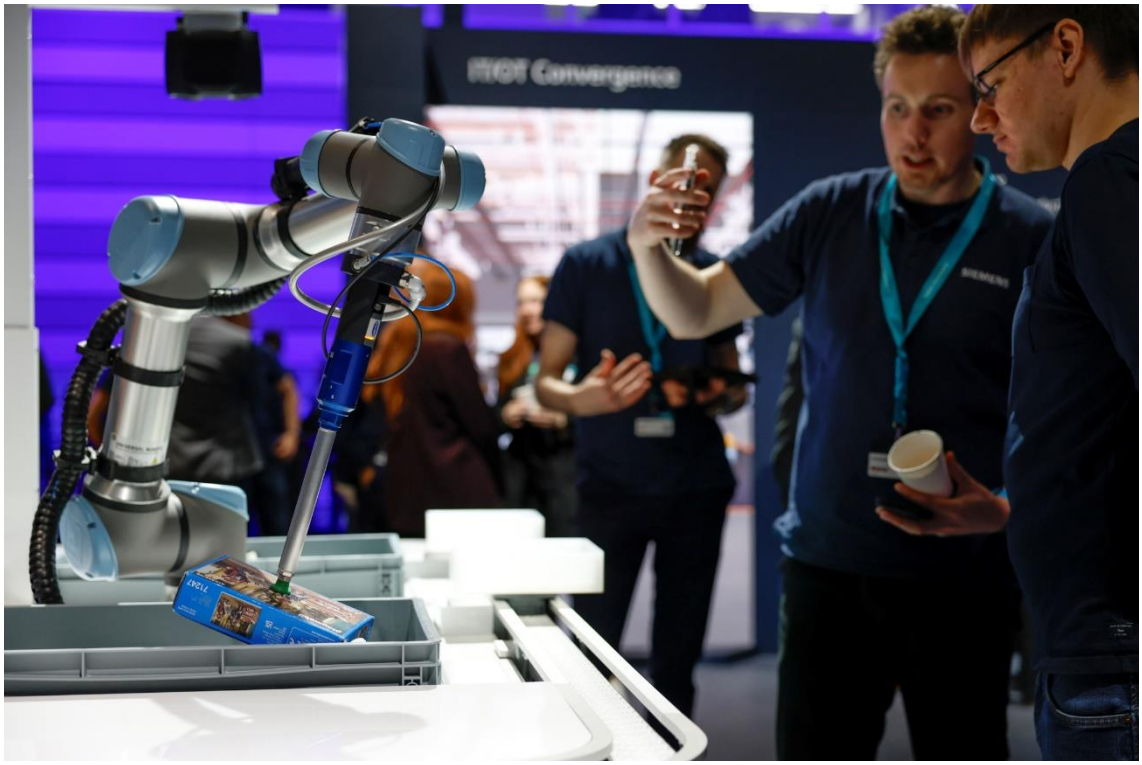
Simatic Robot Pick AI Pro is a solution of Siemens Industrial Operations X portfolios, which is part of Siemens Xcelerator. Siemens Industrial Operations X combines software-defined automation and data-driven solutions within industrial eco-systems aiming to systems more adaptive. An essential component of software-defined automation is Simatic AX, a modern development environment that increases efficiency in the creation and management of both physical and virtual controls. Virtual PLCs (programmable logic controllers) are also being used to provide greater flexibility and scalability in deploying control systems as software containers based on industrial edge management. Industrial Operations X integrates these technologies and enables a seamless collaboration between different systems and the use of advanced technologies like edge and cloud computing to optimize and continuously improve operational processes. With this, machine builders can develop flexible and scalable robot order-picking systems that can be adapted to meet specific requirements.

Robots with Siemens AI vision software can autonomously identify and handle a variety of unknown objects, ensuring increased flexibility and adaptability in dynamic environments. There is also a seamless integration with TIA, which ensures a continuous data flow from the robot order-picking cell to the entire operational process. Siemens Xcelerator offers an open ecosystem for collaboration and innovation within a network of certified partners, such as Zivid for industrial 3D cameras or Piab for vacuum tools, to support the development of new solutions and technologies.

Siemens Industrial Copilot provides crucial support for engineering complex machines

At the exhibition, Siemens will also show exactly how the Siemens Industrial Copilot supports automation engineers in code generation and fault diagnosis and facilitates

the engineering of complex automation systems. With the Siemens Industrial Copilot for TIA Portal Engineering, Siemens presents the first generative AI assistant for industrial engineering. Thanks to its seamless integration into the TIA Portal, the AI assistant simplifies and accelerates development processes and significantly minimizes error sources. It also allows less experienced professionals to effectively apply their knowledge and skills.



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You can find this press release and press pictures here https://sie.ag/6RVqcY

For more information about Siemens at Logimat, please visit www.siemens.com/logimat

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Siemens AG (Berlin and Munich) is a leading technology company focused on industry, infrastructure, mobility, and healthcare. The company's purpose is to create technology to transform the everyday, for everyone. By combining the real and the digital worlds, Siemens empowers customers to accelerate their digital and sustainability transformations, making factories more efficient, cities more livable, and transportation more sustainable. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a leading global medical technology provider pioneering breakthroughs in healthcare. For everyone. Everywhere. Sustainably.
In fiscal 2024, which ended on September 30, 2024, the Siemens Group generated revenue of €75.9 billion and net income of €9.0 billion. As of September 30, 2024, the company employed around 312,000 people worldwide on the basis of continuing operations. Further information is available on the Internet at www.siemens.com .