

## Media Release

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### **Voith to present cobot-assisted electronic manufacturing solutions at the Avnet booth at electronica 2018**

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- **The robot Panda possesses human-like dexterity**
- **It is an alternative way to maximize efficiency**
- **The cobot offers easy programming and integration into existing systems**
- **On display at Avnet Silica's main booth (hall C5 - 101)**

**MUNICH, Germany. Voith Robotics will showcase advanced system solutions together with Avnet Silica, semiconductor specialist, at this year's electronica (Munich, Germany, November 13-16), the world's leading trade fair and conference for the electronics industry. Visitors to Avnet Silica's main booth, located in hall C5, booth 101, will have the opportunity to see Voith's easily programmed collaborative robot (cobot) Panda perform automated electronic manufacturing processes for maximum production efficiency.**

In keeping with this year's electronica tagline "Connecting everything – smart, safe & secure" Voith's Panda was developed with the support of Avnet Silica for easy IIoT and system integration and to safely interact with humans. With high-sensitivity torque sensors throughout its seven joints, the lightweight cobot is able to act with human-like dexterity, enabling it to reliably perform both delicate tasks and robust assembly.

As part of the advanced system solutions area, two Panda systems will be shown on the booth. Employing the standard gripper and tailored fingers for skillful object manipulation, the robots perform two use cases. They will either handle electronic boards, carefully inserting them into the testing device or pick passive components placing them into a printed circuit board. This task is supported by a vision system to find the positioning of the components and to correct inaccuracies of the manufacturing belt.

Automating these crucial steps helps to significantly increase test coverage while ensuring overall product quality.

## About Voith Group

Voith Robotics, a joint venture between the global technology company Voith and the Munich-based robotics start-up Franka Emika, is a global system supplier for robot-assisted automation. The company bundles unique know-how in tailor-made robotic solutions, artificial intelligence, digital apps and process consulting for customers in various target markets such as electronics, mechanics, plastics and polymers.

Voith is a global technology group. With its wide range of plants, products, services and digital applications, Voith sets standards in the markets for energy, oil and gas, paper, raw materials and transport & automotive. Founded in 1867, Voith today has more than 19,000 employees and earns 4.2 billion euros in sales. It has locations in over 60 countries and is one of the largest family-owned companies in Europe.

## About Avnet Silica

Avnet Silica is the European semiconductor specialist division of Avnet, one of the leading global technology distributors, and acts as the smart connection between customers and suppliers. The distributor simplifies complexity by providing creative solutions, technology and logistics support. Avnet Silica is a partner of leading semiconductor manufacturers and innovative solution providers over many years. With a team of more than 200 application engineers and technical specialists, Avnet Silica supports projects all the way from the idea to the concept to production. Avnet Silica is a regional business unit of Avnet, (NASDAQ: AVT) with European headquarters in Belgium (Avnet Europe Comm. VA). For more information, visit [www.avnet-silica.com](http://www.avnet-silica.com)



Voith's robot Panda significantly increases efficiency throughout production, performing tasks with human-like dexterity.

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