

New Machine Generation Presented for the First Time

## **ASYS Sets New Standards – GenS Debuts at Productronica 2025**

**The ASYS Group celebrated a successful premiere at Productronica 2025: With GenS, the company introduced an entirely new machine generation. Under the motto “Not just Machines. Evolution Engines.” ASYS is setting new benchmarks in electronics manufacturing with GenS – smarter, faster, and more sustainable.**

Productronica provided the perfect stage for ASYS – across more than 500 m², the company showcased around 30 machines and demonstrated the innovative strength of the extensive ASYS product portfolio.

### **GenS – The Beginning of a New Machine Generation:**

#### **ASYS Turns Visions into Reality**

GenS stands for a modular concept that combines autonomy, efficiency, and sustainability. The machines impress with high scalability, complemented by a completely redesigned look and intuitive operation. From traditional machines to intelligent, AI-supported systems that can adapt flexibly and continuously optimize themselves, ASYS presented a wide range of innovative machine solutions.

#### **Experience Innovation Live**

A highlight at the ASYS booth was the “Walk of Innovations”: Visitors were able to experience GenS solutions live for handling, laser marking, printing, testing/flashing, depaneling, and material logistics, gaining deep insights into

the new GenS product world. Find out more here: <https://www.asys-group.com/en/machine-generation-gens>

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## **More Booth Highlights in Detail**

### **VEGO GenS Handling Modules**

With the new generation of VEGO GenS handling modules, ASYS focuses on maximum flexibility and energy efficiency. Thanks to the modular and scalable design, functions can be retrofitted at any time – up to full autonomy. Efficient drives, the elimination of pneumatics, and intelligent features such as automatic cycle time adjustment and an energy-saving sleep mode significantly reduce power consumption and extend component lifespan.

### **AISPECTURE AOI – Precision in Inline Inspection**

The AOI system AISPECTURE (AOI stands for Automated Optical Inspection) ensures reliable and highly precise inline inspection, individually tailored to customer requirements. With 3D laser scanning, high-resolution 2D imaging, and AI-powered algorithms, it detects defects accurately and makes autonomous decisions in real time. Features such as customized model training, wet inspection with AI dry prediction, and an extended 2D setup with optional 3D functionality make AISPECTURE the ideal solution for inspecting components such as bipolar plates and other parts in the energy sector.

### **SERIO GenS – Redefining Peak Performance**

For the first time, ASYS also presented the new SERIO GenS: a printing system for maximum speed and precision. With a cycle time of just 5 seconds and an accuracy of 12.5 µm, the machine sets new standards. The new user interface makes operation even easier and more efficient. Powered by AI, SERIO GenS delivers outstanding results from the very first product – up to 25% faster cycle times, 50% shorter transport times, and up to 50% better print repeatability. Scalable and expandable for maximum future-proofing.

**SynapticaOS – The Heart of the Smart Factory**

With SynapticaOS, ASYS combines planning, control, and monitoring on a single platform. The software integrates MES functions with intelligent solutions for production and material flow optimization – delivering maximum efficiency in modern manufacturing environments. An intuitive, consumer-software-inspired user interface, seamless data availability, and real-time monitoring ensure optimal control and streamlined processes without redundant data maintenance.

**Dry Tower GenS Material Logistics**

With the new Dry Tower GenS, ASYS achieves an entirely new dimension in material logistics and storage technology. The solution offers up to 60% higher pick performance, 40% greater load capacity per reel, and a 45% increase in storage density – while improving space utilization by up to 110%. This sets new benchmarks for efficient and high-performance intralogistics in electronics manufacturing.

*'In an industry that never stops evolving, we embrace change as our driving force. The conversations we have with our customers are as important as the innovations we deliver. With GenS, we've reinvented our entire platform portfolio - starting with SynapticaOS and now taking it to the next level. Our machines are scalable, AI-enabled, and interconnected - designed to meet our customers' needs for versatility and flexibility.'*

*(Quote Jürgen Ries, CEO ASYS Group)*

**Conclusion and Outlook**

With the introduction of GenS at Productronica 2025, the ASYS Group has laid the foundation for the next era of electronics manufacturing. Modular architecture, AI-driven features, and scalable automation solutions open new possibilities for highly flexible, autonomous production environments. In the coming years, ASYS will consistently pursue this path – with innovations that not only optimize processes but sustainably transform entire manufacturing

operations. The vision: a fully connected Smart Factory where efficiency, precision, and sustainability go hand in hand.

**Save the Date!**

Visitors can experience the next steps in innovation live at the **ASYS Group Technology Days** in October 2026 (October 21–24) at the headquarters in Dornstadt.

**About ASYS Group**

The ASYS Group is a globally active technology company and leading supplier of standard and special systems for the Electronics, Energy and Life Science sectors. ASYS Automatisierungssysteme GmbH is the management company of the group. With over 1,400 employees worldwide, the ASYS Group develops, manufactures and markets high-quality and innovative automation solutions. It has a global sales network with local contacts in more than 40 countries. 20 branches in Europe, Asia and America enable customer-oriented support.

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