

ASYS Group Technology Days 2026

Future-Ready Production: ASYS Showcases the Next Generation of the Smart Factory Live in Dornstadt

How can manufacturing companies invest today to ensure they're prepared for tomorrow's unknown market demands, new technologies, and volatile supply chains? The ASYS Group provides answers to these questions under the motto "GO BEYOND. Because the future won't wait." at the Technology Days 2026 on October 21 and 22 in Dornstadt. Across more than 1,000 m² of production space, the company will present real-world manufacturing scenarios, intelligent software solutions, and future-proof automation concepts – not as wishful thinking, but as immediately usable solutions with long-term potential.

The focus is on the new GenS machine generation, the SynapticaOS software platform, AI as a driver of productivity, as well as innovative solutions for assembly automation. Together, they form the foundation for a smart factory that can be put into productive use today while simultaneously laying the groundwork for tomorrow's challenges.

Future-proofing starts today

Electronics manufacturing is undergoing the most significant transformation of the past decades. Artificial intelligence, increasing product variety, a shortage of skilled workers, volatile supply chains, and mounting cost pressures demand production systems that are flexible, scalable, and adaptable over the long term.

This is exactly where the ASYS Group comes in. The goal of Technology Days 2026 is to demonstrate how manufacturing companies can already use technologies today that not only meet current requirements but also account for future developments. "Future-ready" does not mean a pipe dream, but rather solutions that can be used immediately with a long-term perspective.

GenS: The New Generation of Machines for Maximum Flexibility

A central focus of the event is the new GenS platform for SMT process and line solutions.

With GenS, ASYS consistently pursues an approach designed for long-term investment security. The modular machine concept enables companies to flexibly adapt their production environment to new products, batch sizes, or automation requirements without jeopardizing existing investments.

Visitors will experience firsthand how GenS addresses one of the most important questions facing modern factories: How can production remain competitive even in five or ten years?

- the new VEGO GenS line loader concept
- reduced cycle times
- greater process flexibility
- scalable machine architectures
- long-term upgrade and expansion options

SynapticaOS: The Platform for End-to-End Connected Manufacturing

While machines handle the physical production, software is increasingly taking on the role of the central control and optimization system.

With SynapticaOS, ASYS presents a software platform that connects all relevant production processes. From order planning to material tracking to machine monitoring, a seamless digital flow of information is created.

A particular highlight is the new, placement-machine-independent order planning, which enables significantly more efficient production control.

The added value for customers: It becomes clear that the future of manufacturing is no longer defined exclusively by machine performance. Competitive advantages are increasingly derived from intelligent data utilization and software-supported decisions.

- complete transparency across production processes
- better resource utilization

- faster response times
- greater planning reliability
- sustainable productivity gains

AI Becomes a Productivity Factor

Another focus of Technology Days 2026 is the practical application of artificial intelligence. ASYS demonstrates how AI technologies can be directly integrated into production processes to actively support operators, detect errors early, and continuously optimize processes.

The focus is on concrete applications with measurable benefits. The goal is clear: AI – should not be an end in itself, but rather make a demonstrable contribution to productivity, quality, and operational safety.

- Intelligent assistance systems
- automatic root cause analysis during equipment downtime
- AI-supported anomaly detection
- data-driven process optimization
- improved process stability and equipment availability

Assembly Automation: Intelligent Systems for Tomorrow's Manufacturing

This approach is particularly impressive in the field of assembly automation.

The solutions presented continuously analyze production data and detect deviations early on, before they result in losses in quality or efficiency.

AI-supported anomaly detection helps operators proactively identify performance and process deviations. This reduces unplanned downtime and makes manufacturing processes more robust. Especially considering increasing complexity and limited personnel resources, this approach offers significant potential for manufacturing companies.

From Printing Technology to Process Intelligence

With its latest developments, EKRA demonstrates what the future of stencil printing looks like. Mechanical precision and machine performance alone are

no longer the decisive factors. Today, the greatest advances are being made where system expertise, deep process understanding, and intelligent data utilization converge.

During the Technology Days, visitors will experience how printing, drying, and inspection processes are integrated into a single intelligent system. AI-supported analyses ensure greater process stability, higher repeatability, and continuous optimization of production. This makes stencil printing an integral component of the networked smart factory – and makes a significant contribution to higher quality, efficiency, and future-proofing in electronics manufacturing.

End-to-End Processes Instead of Isolated Solutions

ASYS demonstrates how modern manufacturing takes shape when machines, software, and materials logistics work together seamlessly. Instead of isolated individual technologies, visitors experience end-to-end processes – from material receipt to the finished assembly. The result is greater transparency, shorter response times, and a production system that is also prepared for future requirements.

These include:

- intelligent material logistics
- automated material flows
- SMT solutions
- printing and coating technologies from EKRA
- laser systems
- panel-cutting systems
- warehouse automation
- and final assembly

Experience technology instead of just talking about it

The ASYS Group Technology Days have established themselves over many years as a staple within the electronics manufacturing industry. The unique advantage of this event format lies in its close connection to development and

application. Visitors gain direct access to product experts, developers, application specialists, technology partners, and end-users with hands-on experience.

The program is rounded out by keynote addresses, technology tours, and hands-on tech sessions featuring specific application scenarios and best-practice examples. Announced keynote speakers include Jürgen Ries (CEO ASYS Group), Nicola Winter (Fighter Jet Pilot and ESA Reserve Astronaut), Markus Hein (Managing Director of Valeo Schalter und Sensoren GmbH), Dr. Sebastian Tepner (Director of Technology at EKRA – ASYS Group), and Uwe Kemmer (Managing Director of Kyocera Fineceramics Medical GmbH). They will discuss topics such as leadership, forward thinking, industrial transformation, innovation, and modern production concepts.

Message: Future-Ready – Solutions That Work Today

The ASYS Group Technology Days 2026 impressively demonstrate what modern production can look like today. With the new GenS machine generation, the SynpticaOS software platform, and intelligent solutions for assembly automation, ASYS presents technologies that immediately boost companies' productivity while paving the way for the future.

The message is clear: "Future-ready" isn't a promise for tomorrow – it's a capability customers can already leverage today. Anyone who wants to understand how competitiveness, flexibility, and automation can be combined in the future will find not just theoretical visions in Dornstadt – but working solutions for tomorrow's production. And they're already up and running today.

GO BEYOND. Because the future won't wait.

Further information:

<https://www.asys-group.com/en/asys-group-technology-days-2026>

About ASYS Group

The ASYS Group is one of the world's leading suppliers in the field of automation and digitalization with more than 1,400 employees. As a technology leader, ASYS develops and produces process and line solutions up to autonomous shop floor solutions for the world's most successful companies. Specialized and broadly positioned with long-term security, the corporate group is at home in many industrial markets: a market leader in Electronics, as well as in Energy and Life Science.

Consisting of a total of 15 operational subsidiary and standalone companies, the ASYS Group has a global sales network with local contacts in more than 40 countries. Twenty-seven branch offices in Europe, Asia, and the Americas enable close, customer-focused support.

ASYS Electronics

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