

Success Story

**Process Reliability Redefined –
technosert Relies on DIVISIO 5100 Depaneling System from ASYS**

Dornstadt, July 8, 2026: Process reliability is a key competitive advantage in electronics manufacturing. Austrian EMS provider technosert, drawing on nearly 40 years of experience in the industry, continues to pursue this path with consistency and determination. Under the leadership of Managing Director and Technical Director Jürgen Freynhofer, the company has implemented the DIVISIO 5100 Gen 5 from ASYS Group for depaneling operations. The result is a highly automated, stable, and reproducible process that systematically ensures quality while supporting technosert's high standards for precision and reliability.

With the introduction of the DIVISIO 5100 depaneling system, technosert has taken a decisive step away from manual influences and toward a clearly defined, automated process. In the implemented standalone solution, the operator is only responsible for loading and unloading, while all other steps are carried out fully automatically. This structure reduces process variability and creates consistent results.

"The system removes the natural variation of manual activities from the process – and that is exactly what makes the difference," explains Christian Schmidinger, Process Technology Manager at technosert.

DIVISIO 5100: Precision, Speed, and Control

At the heart of the solution is the DIVISIO 5100, a state-of-the-art depaneling system specifically developed for maximum process reliability and efficiency.

The machine operates autonomously and under continuous self-monitoring, checks operating resources before production starts, and optimizes processes in real time—key factors for stable manufacturing operations.

Key performance features include:

- Maximum precision and dynamics through linear motors and positioning accuracy of up to $\pm 10\text{ }\mu\text{m}$
- Fast cycle times of less than 2–2.5 seconds thanks to dual-spindle and dual-gripper technology
- Automatic tool changes and integrated camera and measurement systems to ensure consistent cutting quality
- 100% cut inspection and adaptive process control that detects and corrects deviations
- Gentle handling through force-controlled grippers and a soft-stop function to reduce mechanical stress
- High autonomy times of up to 20.5 shifts thanks to integrated tool management
- Open interfaces (OPC UA, IPCHermes, IPCCFX) for seamless integration into networked production environments

The system therefore combines the key requirements of modern SMT manufacturing: precision, flexibility, and digital connectivity.

Robust Processes for Increasing Requirements

The new solution demonstrates its strengths particularly in the processing of complex or large-format assemblies. Precise routing and sawing enable low-stress processing and prevent damage to sensitive printed circuit boards.

Continuous data acquisition and self-monitoring ensure that process deviations are detected at an early stage. As a result, quality is not only achieved but maintained consistently over time – a critical factor for industries with demanding requirements such as medical technology, aerospace, or ATEX applications.

A Holistic Solution Rather Than an Isolated Measure

The implementation of the DIVISIO is part of a comprehensive concept. Together with the ASYS Group, a scalable and modularly expandable manufacturing solution was created that already takes future requirements into account.

Thanks to its modular design, numerous configuration options, and simple retrofit capability, the system can be flexibly adapted to new products, batch sizes, or levels of automation.

Partnership as a Success Factor

The successful implementation is based on a long-standing collaboration: technosert and the ASYS Group have maintained a close partnership since 2005. The value of this cooperation was also evident during the introduction of the new system: challenges arising during the project were solved jointly and in a solution-oriented manner.

“What matters is not that everything is perfect from the very beginning – but that solutions are found together,” says Schmidinger.

More Than Efficiency: Sustainable Improvements in Daily Operations

In addition to greater process reliability, day-to-day operations also benefit from:

- Clearly structured processes
- Improved planning reliability
- Targeted deployment of skilled personnel

As a result, expertise can increasingly be used for monitoring and optimization activities – an important step toward future-ready production.

Outlook: Scalable Manufacturing with a Future

For technosert, the new depaneling solution is not the end point but the foundation for further developments, for example in the areas of automation, traceability, or data-driven process optimization.

The DIVISIO 5100 is an example of how modern manufacturing technology and collaborative partnership can work together to create sustainable process reliability.

Conclusion

“For us, it was crucial to find a solution that not only works today but will also support us in the future. With the achieved process reliability and automation, we have accomplished exactly that – together with a partner who is committed to this path alongside us.” (Jürgen Freynhofer, Managing Director and Technical Chief, technosert electronic GmbH)

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.

About technosert

technosert electronic GmbH is an Austrian EMS service provider headquartered in Wartberg ob der Aist in the Mühlviertel region and looks back on nearly 40 years of company history. Founded in Linz and later expanded through the deliberate move to its own modern facility, the company continues to stand for reliability, customer proximity, and a strong commitment to quality.

The company's strength lies in its ability to respond with great flexibility to a wide variety of requirements. From small to large-format assemblies, from prototypes to series production, technosert operates confidently in an environment characterized by diversity and complexity.

At the same time, certified processes, a strong quality culture, and close cooperation with customers form the foundation of daily operations. The goal is not only to manufacture products but to make a sustainable contribution to customers' success. Or, as it is lived internally: their commitment does not end with the finished product – it begins where the customer can successfully work with it.

Press Contact ASYS Group

Iris Kosina

Iris.kosina@asys-group.com

+49 7348 9855 5110

