

# Press Release

Burgkirchen/Alz (Germany), February 26, 2021

**cts and IndPro at the IPC APEX EXPO in Anaheim**

## **Scalable automation for efficient electronics manufacturing**

**At this year's IPC APEX EXPO in Anaheim, the cts group is presenting its solutions for the "Smart Electronics Factory" – scalable automation to optimize processes in electronics manufacturing. The focus of the trade fair appearance, which is themed "Automation Stuck at Your Standards? We push boundaries!", is on the modular Smart Warehouse lines that maximize storage capacity for electronic components and ensure a seamless material flow, resulting in minimized downtime and increased throughput. The one stop solutions provider cts and its partner IndPro, a specialist for improving efficiency in warehouse and distribution centers, can be found at booth #4233 from March 18-20, 2025.**

The electronics industry in the United States faces immense challenges. A shortage of skilled workers and manual processes are causing inefficiency, unnecessary costs and weakening competitiveness. One area particularly affected is material logistics. The introduction of automation can address these issues, but many companies are put off by the high initial investment and the complex system changes that conventional solutions require. cts, a full-service provider of customized automation and digitalization headquartered in Germany, will be demonstrating at IPC APEX EXPO that there is another way – with flexible, scalable systems that need little implementation effort and can grow with the dynamic demands of a modern production environment. "Our Smart Warehouses are modular storage solutions for e.g. 50,000+ SMT-Reels or 2,000+ PCB magazines, trays, containers and KLTs – all in one system. Of course, a start with smaller scale versions is easily possible.", explains Alfred Pammer, VP Sales & Marketing. "They require up to 40% less space than other solutions, allowing more storage without additional storage areas." Moreover, their high degree of automation in storage and delivery not only means fewer error-prone manual steps and less dependence on staff shortages, but process stability and a precise, fast material supply from the warehouse to the SMT line. Seamless integration with AMRs from Omron, Agilox, MiR and other manufacturers additionally contributes to this efficient material transfer. The intelligent systems also enable real-time tracking from warehouse to production line and back. This allows supply chain data and factory operations to be better synchronized, which in turn supports predictive inventory management that avoids overstocking, material shortages and delays.

## Designed for customization

One of the biggest advantages of the cts storage solution, however, is that it is truly customized automation. Thanks to their modular design, the Smart Warehouses are fully scalable in terms of capacity and functionality. This means that the initial investment can be kept low with a “small” system that can easily be expanded to meet demand fluctuations and higher production requirements, if necessary. A larger entry-level system is also possible, for example, to efficiently manage the complexity of large-scale electronics production. What also contributes to the solutions flexibility is that it can be easily integrated into the transport processes of existing production lines thanks to adaptable AMR top modules, and connection to existing ERP and MES systems is just as simple.

## Local expertise for comprehensive service

“Apart from the technology itself, we facilitate the entry into the automation of material logistics by offering everything from a single source. Our customers benefit from the local expertise, technical know-how and comprehensive range of services offered by our close partner IndPro. Since the early 1990s, they have been supporting American companies in planning and implementing the best possible automation and robotics for their warehouse and distribution centers.

Together we deliver end-to-end solutions from consulting and implementation to optimization and support. This means that our customers have one point of contact for everything and the whole process fits together perfectly,” emphasizes Alfred Pammer.

For more information about the Smart Warehouse Line and the Smart Electronics Factory visit cts and IndPro from 18-20 March 2025 at IPC APEX EXPO at booth #4233 or [www.group-cts.de/en](http://www.group-cts.de/en).

## About cts

The **cts Group is a full-service provider of customized automation and digitalization solutions** for various sectors, from the pharmaceutical and chemical to the electronics and food industries.

The service portfolio is divided into four main areas: **Smart Processes** provides safe and efficient planning, control, implementation and continuous optimization of industrial process equipment. With **Smart Manufacturing**, cts offers specialized solutions for the automation and improvement of industrial production and intralogistics processes, for instance through the integration of robotics and intelligent warehousing. **Smart Data** includes services for the digital transformation of production processes by customizing software and interconnecting IT and OT systems for predictive maintenance, real-time insights and automated workflows. And **Smart Energy Technology** focuses on planning, implementing and modernizing energy systems and energy infrastructure, for example by incorporating renewable energies.

The cts Group operates on a vendor-neutral basis and offers all services from a single source: initial consultation, implementation, optimization and beyond. Founded in 2006, the company now maintains numerous locations in Europe, Asia and North America as well as a worldwide partner network. The head office is located in Germany.

[www.group-cts.de/en](http://www.group-cts.de/en)

The following images are provided with the press release:

1. Smart Warehouse Big  
SmartWarehouse-1.jpg



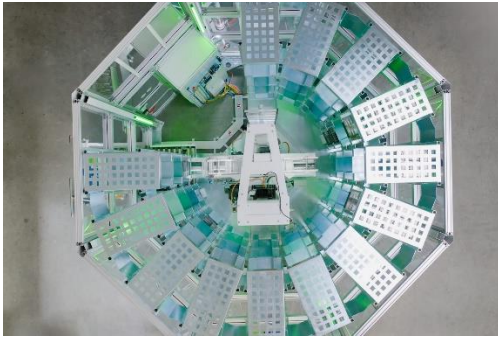
2. Smart Warehouse Big  
SmartWarehouse-5.jpg



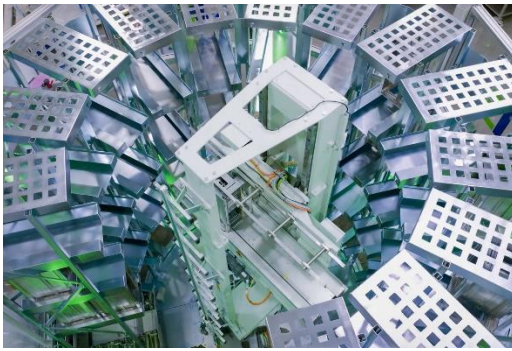
3. Smart Warehouse Mini  
Mini-Warehouse\_1.jpg



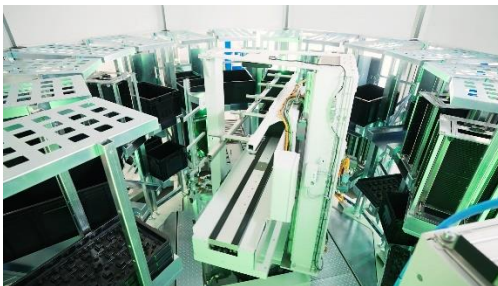
4. Smart Warehouse Mini  
Mini-Warehouse\_2.jpg



5. Smart Warehouse Mini  
Mini-Warehouse\_6.jpg



6. Smart Warehouse Mini  
Mini-Warehouse-mixed\_7.jpg



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