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Semi-Kinetics' Smart Factory Lands Prestigious 2025 Global Technology Award

LAKE FOREST, CA — November 2025 — Semi-Kinetics, a leading provider of electronic manufacturing services, has taken home the 2025 Global Technology Award for Most Improved Smart Factory. The honor was presented at productronica in Munich, Germany, recognizing the company's leap forward in connecting people, processes, and technology to build a truly next-level factory.

Serving tough markets like aerospace, medical, industrial, and defense, Semi-Kinetics has revolutionized its factory operations with advanced automation, real-time software integration, and cutting-edge inspection systems. Certified to ISO 9001, AS9100, ISO 13485, and ITAR registered, the company's smart factory overhaul has boosted throughput, slashed lead times, and cranked up flexibility to meet complex customer demands.

At the heart of the transformation is a custom-built ERP system that links every part of the operation — from quoting to inventory — providing live order tracking and instant insights for every team. The factory runs smart, with AI-powered 3D solder paste inspection, synced SMT machines for perfect line-to-line replication, and high-tech 3D AOI and X-ray inspection to catch defects early and keep quality rock solid.



Robots now handle precision placement and automated optical inspections, letting the team focus on complex builds while the factory hums with efficiency. Plus, every step is captured on camera for fast troubleshooting and detailed quality records.

In 2024, Semi-Kinetics took smart manufacturing even further with in-house 3D printing using a top-tier CreatBot desktop system — enabling rapid prototyping and custom tooling right on-site. Laser cutting and marking tech round out the suite, supporting fast, flexible NPI work and production runs.

Behind the scenes, a sharp team of engineers uses AI-driven tools to analyze designs and production processes, helping customers optimize manufacturability and get products out the door faster and smoother. Every build is digitally mapped from start to finish, making it easy to replicate or investigate any detail instantly.

“Semi-Kinetics isn’t just keeping up — we’re setting the pace for what a smart factory can do,” said Michael Wayne Leedom, President and CEO of Semi-Kinetics. “This award celebrates the hard work and smart thinking that’s driving our factory forward every day.”

Since 2005, the prestigious Global Technology Awards have recognized the absolute best new innovations in the printed circuit assembly and packaging industries. It brings together the global SMT and advanced packaging industry in a celebration of the companies and people that are achieving the highest standards and driving our industry forward. For more information, visit www.globalsmt.net.

From design to delivery, Semi-Kinetics continues to evolve its processes and expand its offerings to support customers looking for reliable, high-quality manufacturing solutions. For more information about Semi-Kinetics and its capabilities, visit www.semikinetics.com.

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About Semi-Kinetics

Semi-Kinetics is a leading provider of electronics manufacturing services, specializing in surface mount technology (SMT) and through-hole assembly. With a focus on innovation, quality, and customer satisfaction, Semi-Kinetics offers a comprehensive range of manufacturing solutions to meet the diverse needs of its clients. Leveraging state-of-the-art equipment, experienced personnel, and stringent quality control measures, Semi-Kinetics delivers high-quality products with unmatched precision and efficiency. From prototyping to high-volume production, Semi-Kinetics is committed to exceeding customer expectations and driving success in the electronics industry. Visit <https://semi-kinetics.com/> to learn more.