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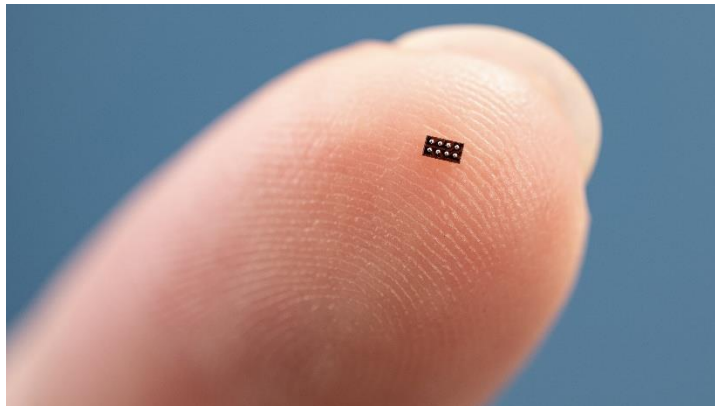
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FOR IMMEDIATE RELEASE

Absolute EMS Helps Customers Meet SWaP-C Demands with Advanced Miniaturization Capabilities

SANTA CLARA, CA — June 2026 — Absolute EMS, Inc., a six-time award-winning provider of fast turnaround, turnkey contract electronic manufacturing services (EMS), is helping customers meet increasingly strict SWaP-C requirements – size, weight, power, and cost – through advanced miniaturization, precision assembly, and smart factory manufacturing.



As electronic systems become more complex, especially in aerospace, defense, and high-performance applications, design teams are under constant pressure to do more with less. Whether it's reducing footprint, lowering weight, improving power efficiency, or controlling cost, even incremental gains in one area can drive major design decisions. In many cases, these priorities are collectively defined as SWaP-C.

Absolute EMS supports these efforts with proven capabilities in ultra-miniature component assembly, including placement down to imperial 008004, as well as extensive experience in flex and rigid-flex circuit assemblies. These technologies allow for more compact, lightweight designs without sacrificing performance or reliability, critical factors in mission-critical applications.

"SWaP-C isn't just a design challenge, it's a manufacturing challenge," said Mark Sika, President, Absolute EMS. "Our role is to help customers take those design goals and turn them into something that can actually be built consistently and reliably."

Operating from its Silicon Valley facility, Absolute EMS combines advanced SMT equipment with a fully integrated Industry 4.0 Smart Factory environment. Automated inspection systems, including inline 3D solder paste inspection, optical inspection, and 3D X-ray, ensure accuracy and repeatability when working with extremely small components and complex assemblies.

This focus on continuous improvement and manufacturing excellence has earned Absolute EMS recognition as a two-time winner of the Global Technology Awards for Most Improved Smart Factory.

In addition to its miniaturization expertise, Absolute EMS provides full turnkey support, including new product introduction (NPI), supply chain management, conformal coating, and box-build integration. The company serves customers across a range of industries, including aerospace, defense, medical, and industrial markets where reliability and performance are non-negotiable.

By aligning manufacturing capabilities with SWaP-C design priorities, Absolute EMS helps customers bring next-generation electronic systems to market faster, with fewer compromises.

For more information about Absolute EMS, visit www.absolute-ems.com.

About Absolute EMS

Absolute EMS, located in the heart of Silicon Valley, offers 6-time award-winning manufacturing services in a state-of-the-art, high-technology EMS facility. The company won Global Technology Awards in 2020, 2021 and 2024 for its manufacturing services and was awarded 'Most Improved Smart Factory' by the Global Technology Awards in 2021. Founded in 1996, Absolute EMS originally serviced the medical industry, thus their focus on controlled electronics manufacturing that is scalable and repeatable. The Absolute EMS focused verticals are Medical, Military, Industrial, Networking, Aerospace, high performance computing, AI and Engineering. Learn more by visiting <http://www.absolute-ems.com>.