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FOR IMMEDIATE RELEASE

Absolute EMS Expands Selective Soldering Capabilities with Pillarhouse JADE S-200 MKII Installation

SANTA CLARA, CA — September 2026 — Absolute EMS, Inc., a Silicon Valley–based provider of high-technology electronics manufacturing services, has expanded its production capabilities with the purchase and installation of a Pillarhouse JADE S-200 MKII selective soldering system. The new equipment strengthens the company's soldering capabilities while providing customers with increased process consistency, flexibility, and capacity for demanding PCB assembly requirements.

Designed for flexible, small- and medium-batch manufacturing, the JADE MKII is a handload, single-point selective soldering system that delivers controlled solder application to specific through-hole connections. The system is capable of accommodating PCBs or pallets up to 457 x 508 mm (18 x 20"), providing flexibility for a range of board sizes and applications.

The JADE MKII incorporates a three-axis solder bath and pump mechanism, allowing the soldering process to be precisely controlled while maintaining access to the PCB. Its Drop-Jet fluxing system is designed for efficient flux application and low maintenance, while the system's inert nitrogen environment helps minimize oxidation and improve solder wetting. The machine is also compatible with lead-free soldering processes.

For Absolute EMS, the addition of the JADE S-200 MKII provides another production resource for applications where selective soldering offers advantages over conventional wave or manual soldering. Selective soldering can provide repeatable solder joints, reduced thermal exposure to surrounding components and greater control over individual solder connections. The use of an inert environment can also help reduce oxidation and soldering defects.

"Investing in the Pillarhouse JADE S-200 MKII gives us another important tool for delivering consistent, high-quality assemblies to our customers," said Mark Sika, President of Absolute EMS. "The flexibility of selective soldering is particularly valuable for the types of products and production requirements we support. This equipment allows us to improve process control and repeatability while giving our customers additional options for complex through-hole assembly."



The installation further demonstrates Absolute EMS's ongoing investment in manufacturing technology and process capabilities. By combining advanced equipment with its existing electronics manufacturing expertise, the company continues to provide customers with scalable production solutions designed to support quality, reliability and efficient manufacturing from prototype and low-volume production through higher-volume requirements.

For more information about Absolute EMS and its electronics manufacturing services, 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>.