

Kulicke & Soffa Unveils ACELON™ - A Revolutionary High-Performance Dispenser for Advanced Manufacturing Applications

SINGAPORE, Sept. 9, 2025 /[PRNewswire](#)/ -- Kulicke and Soffa Industries, Inc. (NASDAQ: KLIC) ("Kulicke & Soffa", "K&S", "we" or the "Company") today announced the launch of ACELON™, a next-generation precision dispensing solution designed for a broad-range of semiconductor, SMT, and automotive assembly applications. This new advanced dispense platform leverages the Company's market-leading machine architecture in wire bonding, which is already successfully deployed by leading customers in critical high-reliability and high-volume production environments worldwide for decades.

ACELON™ tackles the most demanding advanced dispense challenges with greater process stability for the most critical production environments. Additionally, ACELON™ provides flexibility for handling larger substrates and complex assembly configurations through a significantly expanded working area. The system delivers industry-leading precision with sub-20µm wet accuracy, ensuring consistent material placement for critical applications where dimensional tolerances are paramount.

Key technological advancements of ACELON™ include:

- Automatic calibration functions that streamline setup procedures and reduce operator intervention.
- An optional Twin Valve/Dual Valve capability is specifically designed to enhance throughput and configuration flexibility within the highest-volume production environments.
- Precision placement accuracy with exceptional repeatability enables sub-180µm keep-out zones (KOZ) enabling higher-component density designs in support of advanced packaging trends.
- Quality and throughput are further extended with AI-powered Auto Parameter Tuning (APT) – intelligent software which continuously optimizes system parameters based on process results and historical performance data.

These new capabilities reduce setup time, enhance production consistency and help customers better address advanced packaging production challenges.

"We are excited to offer customers new levels of capability, reliability and cost of ownership through ACELON™. Leveraging on the unparalleled dependability of our market-leading system architecture in wire bonding, combined with ultra precision dispensing capabilities and AI-driven optimization – ACELON™ is positioned to set a new benchmark for precision, performance, and reliability," stated Meng Kwong Han, Senior Vice President, Advanced Dispensing Solutions Business Unit.

Visit K&S at SEMICON Taiwan 2025

Together with a broad portfolio of K&S solutions, ACELON™ will debut at the SEMICON Taiwan Trade Show in Taipei, from September 10, 2025 through September 12, 2025, at Level 4 Booth #L0616. ACELON™ is targeted to be generally available by March 2026. Please contact your regional K&S sales team for additional information.

About Kulicke & Soffa

Kulicke & Soffa is a global leader in semiconductor assembly technology, advancing device performance across automotive, compute, industrial, memory and communications markets. Founded on innovation in 1951, K&S is uniquely positioned to overcome increasingly dynamic process challenges – creating and delivering long-term value by aligning technology with opportunity.

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