

News Release

For Immediate Release

March 18, 2026

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ITW EAE Wins New Product Introduction Award for Electrovert® Wave Soldering EcoWave

Camdenton, Missouri, March 18, 2026 – ITW EAE is pleased to announce that its Electrovert® EcoWave option for wave soldering machines has won a 2026 New Product Introduction (NPI) Award. Designed to advance efficiency, soldering performance, and sustainability, the EcoWave represents a significant step forward in wave soldering technology.

The NPI Awards recognize standout innovations introduced to the electronics assembly market over the past year, with winners selected by an independent panel of industry engineers. ITW EAE will feature the EcoWave option on the Electrovert Wave Soldering Machine at IPC APEX, booth 1114, through Thursday, March 19, 2026, in Anaheim.

EcoWave combines two patented Electrovert technologies DwellFlex 4.0 adjustable contact length and the Auto Exit Wing defect-mitigation system into a streamlined single-wave nozzle. This integrated approach enhances wave control, simplifies operation, and delivers consistent, high-quality soldering across a wide range of assembly types.

A key advantage of EcoWave is its advanced nitrogen directed design, which reduces oxidation at the wave-forming region. Manufacturers report dross reductions exceeding 50%, with some achieving up to 75%. These gains help lower raw material use and reduce waste-handling costs. EcoWave also reduces maintenance demands. With lower dross accumulation and fewer mechanical components, manufacturers have reported maintenance interval extensions of up to 93%, increasing machine uptime and reducing operating costs.

Engineered to maintain solder above liquidus throughout the full contact sequence, EcoWave improves vertical fill in plated-through holes and delivers consistently stronger solder joints—without increasing nitrogen consumption.

Supporting broader sustainability initiatives, EcoWave significantly reduces solder waste and landfill impact, providing measurable environmental and operational benefits without additional nitrogen use. By delivering substantial dross reduction, enhanced solder quality, reduced maintenance, and meaningful sustainability improvements, EcoWave establishes a new performance benchmark for wave soldering systems.

ITW EAE, a division of Illinois Tool Works, Inc., is the global leader in process knowledge, services and manufacture of capital equipment used in the printed circuit board assembly and semiconductor industries. The group brings together the world's leading brands of electronics assembly equipment: MPM Printers,



Electronic Assembly Equipment

Camalot Dispensers, Electrovert Cleaners and Soldering Solutions, Vitronics Soltec Soldering Solutions and Despatch Thermal Processing Technology. For more information visit www.itweae.com

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