News Release

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ITW EAE Wins Global Technology Award for Electrovert® EcoWave

Camdenton, Missouri, November 5, 2026 – ITW EAE announces that its Electrovert® EcoWave option for wave soldering machines has won a 2026 Global Technology Award. Presented at SMTA International on October 27 in Rosemont, Illinois, the award recognizes EcoWave's innovations in soldering performance, efficiency, and sustainability.

The Global Technology Awards recognize new innovations introduced to the printed circuit assembly and packaging industries over the past 12 months. Recipients are selected by an independent marketing research firm.
"EcoWave was developed to help manufacturers improve soldering performance while reducing waste and maintenance demands," said Summer Gordon, Product Manager at ITW EAE. "This recognition highlights the value of bringing those benefits together in a single solution that supports customers' production and sustainability goals."

EcoWave combines two patented Electrovert technologies—DwellFlex 4.0 adjustable contact length and the Auto Exit Wing defect-mitigation system—in a streamlined single-wave nozzle. The integrated design enhances wave control, simplifies operation, and delivers consistent soldering performance across a wide range of assemblies.

EcoWave's nitrogen-directed design reduces oxidation at the wave-forming region. Manufacturers report dross reductions exceeding 50%, with some achieving up to 75%, helping lower raw material use and waste-handling costs. Reduced dross accumulation and fewer mechanical components also ease maintenance demands, with manufacturers reporting maintenance interval extensions of up to 93%.

By maintaining solder above liquidus throughout the full contact sequence, EcoWave improves vertical fill in plated-through holes and supports stronger solder joints without increasing nitrogen consumption.

Together, these improvements help manufacturers reduce solder waste, increase machine uptime, and lower operating costs while supporting their sustainability goals.

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