

## News Release

### For Immediate Release

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## ITW EAE Wins New Product Introduction Award for Electrovert® Wave Soldering Machine Auto Exit Wing

Camdenton, Missouri, January 24, 2023 – ITW EAE is proud to announce that it has earned a 2023 New Product Introduction (NPI) Award for Electrovert’s Auto Exit Wing technology for wave soldering machines. This new, innovative system provides automatic adjustment of the laminar wave flow to match the board velocity.

NPI Awards recognize the leading new products for electronics assembly during the past 12 months. Recipients are selected by an independent panel of practicing industry engineers. ITW EAE will be showcasing the Auto Exit Wing feature on the Electrovert Wave Soldering Machine at IPC APEX booth 1106 through Thursday, January 26, 2023, in San Diego.

To fully optimize the flow dynamics of the laminar wave, the velocity of the PCB needs to equal the flow of the solder over the weir of the exit wing. When the wave flow is fully optimized, the PCB ‘peels’ away from the solder which minimizes the opportunity for bridging defects to occur.

The Auto Exit Wing is activated by a recipe-controlled set-point to ensure optimal wave dynamics for every PCB type and application. Adjustments are made on-the-fly, eliminating the need for skilled labor to adjust the exit wing manually during product changeover. Electrovert has built a high level of control and rapid change capability within the wave soldering process which provides great flexibility for lot-size-of-one capability in high-mix soldering applications. The system captures all data required for MES integration.

We are very proud to be recognized with the NPI award for this innovative solution,” said Greg Calvo, ITW EAE Wave Soldering Business Manager. “Electrovert’s Auto Exit Wing provides highly repeatable, precisely controlled exit wing adjustment that has been proven to deliver up to a 70% reduction in bridging defects and improved topside hole fill.”

The Auto Exit Wing feature is fully compatible with all Electrovert UltraFill 4.0 and DwellMax 4.0 nozzles in both Air and N2 Tunnel environments and is field upgradeable.

*Electrovert is a brand of ITW EAE, a division of Illinois Tools Works, Inc. They are the largest manufacturer of wave soldering and cleaning equipment for the electronics industry.*

*ITW EAE brings together world-leading brands of electronics assembly equipment including MPM, Camalot, Electrovert, Vitronics Soltec, and Despatch. For more information visit [www.itweae.com](http://www.itweae.com).*