

News Release

For Immediate Release

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Contact: Erica Candela, Marketing Specialist
(508) 541-4749, ecandela@itweae.com

ITW EAE Wins Global Technology Award for Electrovert® Wave Soldering Machine Deep Wave

Camdenton, Missouri, October 23, 2024 – ITW EAE is proud to announce that it has earned a 2024 Global Technology Award for Electrovert's Deep Wave option for wave soldering machines. This new, innovative system provides the ability to pump up to a 20 mm wave height.

Global Technology Awards recognize the absolute best new innovations in the printed circuit assembly and packaging industries during the past 12 months. Recipients are selected by an independent marketing research firm.

A major market trend is that PCB designs continue to increase in complexity and cost. Board assembly manufacturers therefore rely on equipment suppliers to innovate options providing increased performance and capabilities. An area of attention pertaining to high density/high value plated-through-hole (PTH) board assembly designs is the use of wave soldering to maximize throughput and optimize soldering results.

The Deep Wave option overcomes the challenges associated with deep pockets and masking and provides a wave depth necessary to achieve topside hole fill. In some applications the 20 mm capability has removed the need for an additional soldering process. The Deep Wave option is a recipe-controlled parameter in the machine software that can make changes between different wave heights within 10 seconds. The Deep Wave option complements other Electrovert value added options including ExactaWave (automatic wave height adjustment), adjustable wave pump RPM's settings, forced convection blower speed adjustments and precision selective fluxing that can all be adjusted on-the-fly.

"We are very proud to be recognized with the Global Technology award for this innovative technology," said Greg Calvo, ITW EAE Wave and Reflow Soldering Business Manager. "Electrovert's Deep Wave solution to increasing wave height for increased capability provides many benefits to manufacturers that value production line throughput, maximum soldering performance quality, and flexibility in demanding production environments."

Electrovert is a brand of ITW EAE, a division of Illinois Tool 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.