

News Release

For Immediate Release

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ITW EAE Releases Deep Wave Option for Electrovert® Wave Soldering Machines

Camdenton, Missouri, August 6, 2024 – ITW EAE has released a new innovative option for the Electrovert Wave Soldering machines that provides the ability to pump up to a 20 mm wave height.

The new Deep Wave option offered by Electrovert 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 with a selective solder machine.

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. This high level of control and rapid change with the wave soldering process provides the greatest flexibility for a lot-size-of-one capability in high-mix soldering applications. The Deep Wave option along with other critical machine parameters, are data logged in the machine software and captured for MES information management applications.

We are excited about this newly released option," said Greg Calvo, ITW EAE Wave 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."

The Deep Wave option is available with the UltraFill 4.0 and DwellMax 4.0 wave nozzle configurations and Auto-Exit Wing option. The Deep Wave option is offered in combination with Electrovert's Short and Full Nitrogen tunnel options.

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.