

News Release

For Immediate Release

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ITW EAE Wins Vision Awards for MPM Paste Management System and Electrovert Adjustable Wave

Lakeville, Minnesota, August 26, 2020 – ITW EAE is proud to announce that it has earned two Vision Awards for innovative MPM and Electrovert technology developments. MPM received a Vision Award for a new paste monitoring system featuring temperature monitoring as well as upper and lower limit roll-height monitoring. Electrovert received a Vision Award for the new DwellFlex 4.0 variable contact wave solder nozzle. The awards were presented at NEPCON Asia.

The MPM Paste Monitoring System features temperature monitoring as well as upper and lower limit roll-height monitoring. The paste height monitor is a robust solution that allows the user to monitor the paste roll size during a print stroke. Patent-pending paste temperature monitoring allows paste to be measured in the cartridge or on the stencil. These new features improve yield and reduce waste by ensuring proper paste viscosity to avoid bridging and voiding and eliminate insufficient or excess paste volumes.

The DwellFlex 4.0 variable contact wave solder nozzle is the first wave solder nozzle that allows the wave width to be adjusted on-the-fly as variable board types are run through the wave. The patent-pending design ensures solder contact time is optimized for a high-mix of board types without changing conveyor speeds. Intelligent software compares the recipes between the products and adjusts the wave contact length, pump speed rpm, forced convection blower speeds, and fluxer settings on-the-fly as needed. This eliminates lost production time and improves solder results.

As a single wave solution, DwellFlex 4.0 eliminates the temperature drop that occurs between a typical dual wave configuration. A single wave solution improves the nozzle efficiency, promotes better topside hole fill and reduces flux degradation in the soldering process. All these benefits equate to reduced defects and improved line efficiency.

The Vision Awards honor visionary advancements in SMT assembly products and technologies that enable China's electronics assembly industry to build better, more reliable products. Judging was conducted by a panel of well-known SMT industry experts and SMT China magazine readers. Products were judged on their innovativeness and their contribution in helping the industry reduce costs, improve product quality, increase production efficiencies, and enhance product reliability.



Electronic Assembly Equipment

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.