

## News Release

### For Immediate Release

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## Vitronics Soltec Introduces Closed Loop PPM Control System for Centurion™ Reflow Soldering Oven

Lakeville, Minnesota, March 2, 2021 – ITW EAE has announced a new Closed Loop PPM Control System for the Vitronics Soltec Centurion™ Reflow Oven. The closed loop PPM control system is designed to be used in a nitrogen environment with CATHOX™ to maintain a precise PPM setpoint range. The closed loop system can maintain the setting from 200PPM to 2000PPM at +/-100PPM tolerance from 200 to 500 and 20% tolerance from 500 to 2000. In Production Mode, the system ensures stable PCB quality. In Idle Mode, it reduces nitrogen consumption and automatically recovers to PPM setpoint before the machine returns to production.

The patented CATHOX™ (Catalytic Thermal Oxidizer) dramatically reduces maintenance requirements while keeping a clean process environment. It is very effective in removing volatile compounds from the process tunnel during reflow. In thermal oxidation, organic vapors are converted to hydrocarbons, which are captured by a filter. Centurion's design also ensures that when maintenance is required, you have easy access and can do the maintenance job with few tools required.

"The Centurion Reflow Oven has built a reputation for superior quality and innovation," said Coco Zhang, Reflow Soldering Product Manager. "The new closed loop PPM control system will benefit our customers by ensuring consistent solder quality even in high-mix production lines and changing throughputs."

*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](http://www.itweae.com).*