

## News Release

### For Immediate Release

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## Vitronics Soltec Introduces Centurion+ for High Solder Paste Reflow Applications

Minneapolis, Minnesota, February 15, 2023 – Vitronics Soltec is releasing a new reflow soldering oven that addresses the unique challenges facing high solder paste customers. The new Centurion+ is a robust upgrade to the proven Centurion with unique features that further minimize maintenance and keep the process chamber cleaner.

In applications that require a high amount of solder paste, the amount of maintenance required increases. To address this challenge the Centurion+ features greater accessibility to components that require maintenance. Easily removable blow boxes with removable side plates make cleaning easier in the cooling area. Easily removable baffle boxes on infeed and outfeed reduces downtime for cleaning.

Centurion+ can be configured with Ultra CATHOX to handle more than 50kg of solder paste per week. 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. The design also ensures that when maintenance is required, you have easy access and can do the maintenance job with few tools required.

“We designed the Centurion+ with considerable input from our customers to make sure we were addressing all of their needs,” said Coco Zhang, ITW EAE Reflow Business Manager. “We have a strong relationship with the world’s leading manufacturers and work directly with them to identify areas that need further innovation.”

With the best heat transfer in the industry, the Centurion is able to run any profile at the lowest set point possible, which minimizes the thermal differences over the product and uses less energy. Superior process control ensures repeatability across the oven for consistently higher yields. A reliable and robust design ensures high uptime even with the toughest reflow requirements.

*Vitronics Soltec is a brand of ITW EAE, a division of Illinois Tool Works, Inc. They are a leading manufacturer of reflow and selective soldering equipment. ITW EAE brings together world-leading*



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