

# Vitronics Soltec

Electronic Assembly Equipment

TW EAE

## CENTURION Reflow Soldering Solution

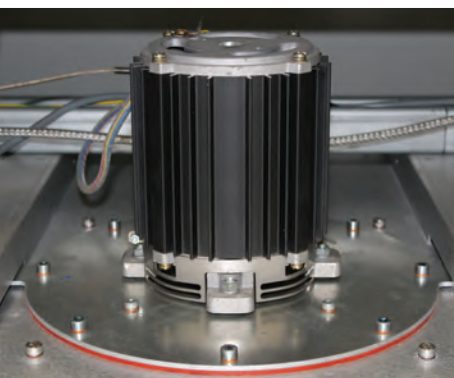


Featuring

**CATHOX**  
CATALYTIC THERMAL OXIDIZER

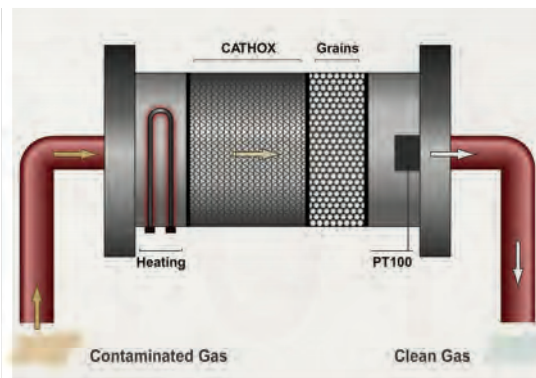
### Proven Performance from a Century of Soldering Experience

- Maximum efficiency heat transfer allows reflow soldering at the lowest possible setpoints, with minimal  $\Delta T$  and minimized power consumption
- Minimizing your downtime using a new and patented CATHOX flux management technology and fast change over opportunities
- Compatible to all your requirements for cycle time, either in dual lane applications or process length
- Improved sustainability driving power and nitrogen consumption to a minimum
- Modular platform that can be tailored to your needs
- Full product traceability and connectivity to host computers



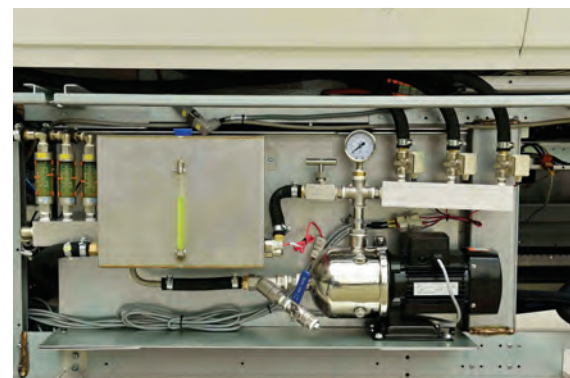
#### Motors and Heaters

- Lifetime warranty
- Highly reliable



#### CATHOX Flux Management System

- Patented flux management leaving almost no residue
- Most sustainable solution in the market
- Designed for easy maintenance



#### Precise Controlled Cooling

- Controlled cooling over multiple zones
- Cooling configurations tailored to your needs

# CENTURION Reflow Soldering Solution

The Vitronics Soltec Centurion platform is the latest evolution in a long history of reflow systems that have proven their capability worldwide and established a reputation for superior reliability. Robust design combined with the industry's best heat transfer system consistently deliver benchmark thermal performance, precise process control, and superior value in a 24/7 environment.

## Key standard features

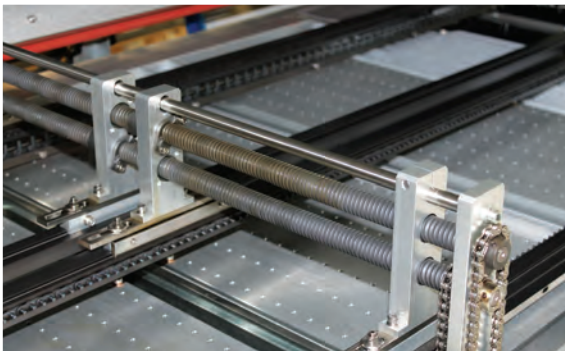
- Quick exchange heaters and motor fan combination
- Auto chain lubrication system
- Board tracking system
- Power management
- Lifetime warranty on heaters and blowers

## Key optional features

- CATHOX patented flux management
- Enhanced zone definition
- Advanced controlled cooling
- Nitrogen atmosphere with true air switching and closed loop control
- Dual lane with independent lane speed control
- AUTOset profile/recipe generator
- Fast cool down options

Model	# heat zones	# cooling zones	Heated length (cm / in)	Cooled length (cm / in)	Total length (cm / in)
820A*	8	2	284.0 / 111.8	71.0 / 28.0	415.0 / 163.4
930A*	9	3	319.5 / 125.8	106.5 / 41.9	486.0 / 191.3
1040A*	10	4	355.0 / 139.8	142.0 / 55.9	557.0 / 219.3
1240A*	12	4	426.0 / 167.7	142.0 / 55.9	628.0 / 247.2

\* = Total Length Nitrogen system + 71.0 cm/27.9 in



## Conveyor Features

- Dual lane configurations up to 2 x 285 mm
  - Optional combo belt/rail conveyors
  - Single or dual board support systems



## Enhanced Zone Definition

- Maximum achievable temperature difference between last soak and first peak from 80°C to 140°C



## Baffle Box with N<sub>2</sub> Curtains

ITW EAE is a division of Illinois Tool Works, Inc. It is a consolidation of all of its Electronic Assembly Equipment and Thermal Processing Technology. The group includes world-class products from MPM, Camalot, Electrovert, Vitronics Soltec and Despatch.