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

Proven Performance from a Century of Soldering Experience
- Maximum efficiency heat transfer allows reflow soldering at the lowest possible setpoints, with minimal ΔT 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

Featuring CATHOX
CATALYTIC THERMAL OXIDIZER

Electronic Assembly Equipment
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 Specifications

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

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

### Key Features

**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 N₂ Curtains**