The Technology Leader

Heller Industries was founded in 1960 and pioneered convection reflow soldering in the 1970s. Over the years, Heller has partnered with its customers to continually refine the systems to satisfy advanced applications requirements. By embracing change and challenges, Heller has earned the position of World Leader in Reflow Technology. This leadership was confirmed when Heller won Frost & Sullivan’s prestigious Global Reflow Company of the Year Award in 2011 and Best New Product Award in 2011 for the Mark 5 Reflow System.

Benefits of Partnering with the World Leader

In addition to getting the best oven technology, working with the industry leader carries many other important benefits:

- **Partnership:** By working closely with our customers, we provide intimate IS support and solutions that come to symbolize HellerBox's performance.
- **Corporate Strength and Longevity:** Don’t spin in the electronics industry give us a solid corporate and management base that ensures stability and continued support.
- **Direct Access to Upper Management:** Our upper management staff is continually reaching to meet our customers to gain their feedback and input. That’s what it means to be a better partner.
- **Distributed “Test” Manufacturing:** With locations in China, Korea and Malaysia, we provide “local” sourcing and utilize a “copy and support” business model that focuses on regional manufacturing and strategic support centers. Heller provides a “global” presence that goes beyond simple manufacturing. Localized engineering, service, training, process support and training facilities separate Heller from the competition and make us the obvious choice for reflow soldering solutions worldwide.

Combining our unmatched engineering expertise with a business model that focuses on regional manufacturing and strategic support centers, Heller provides a “local” presence that goes beyond simple manufacturing. Localized engineering, service, training, process support and training facilities separate Heller from the competition and make us the obvious choice for reflow soldering solutions worldwide.

We welcome you to visit any of our four Centers for Excellence — USA, China, Korea and Malaysia. In addition to a world-class manufacturing environment, operations and engineers can attend “Heller University” to learn about reflow processing, board technology and advanced applications solutions.

The Mark 5 Reflow System Series

**MK5 Models**

<table>
<thead>
<tr>
<th>Overall Length</th>
<th># of Heated Zones</th>
<th># of Cooling Zones</th>
<th>Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>340 cm (134”)</td>
<td>5 Top / 5 Bottom</td>
<td>1 Top (optional)</td>
<td>Mark 5 Series</td>
</tr>
<tr>
<td>465 cm (183”)</td>
<td>8 Top / 8 Bottom</td>
<td>2 Top (optional)</td>
<td>Mark 5 Series</td>
</tr>
<tr>
<td>588 cm (232”)</td>
<td>10 Top / 10 Bottom</td>
<td>2 Top (optional)</td>
<td>Mark 5 Series</td>
</tr>
<tr>
<td>668 cm (263”)</td>
<td>12 Top / 13 Bottom</td>
<td>2 Top (optional)</td>
<td>Mark 5 Series</td>
</tr>
</tbody>
</table>

Heller Industries is committed to driving environmental leadership through the design of all our products and the use of its technology. We strive to minimize our environmental footprint and raise environmental consciousness in everything we do.
Benefits of Partnering with the World Leader

In addition to getting the best oven technology, working with the industry leader carries many other important benefits:

• **Partnership:** By working closely with our customers, we provide the kind of U.S.-based service and support that has come to symbolize Heller behavior.

• **Corporate Strength and Longevity:** Heller has been in the electronics business since 1960 and is a part of the larger Heller Worldwide Coverage group. Our clear focus and commitment to customer satisfaction is 100% ours.

• **Distributed “Lean” Manufacturing:** Heller has a world-wide presence that goes beyond what many consider to be “global manufacturing.”

• **Direct Access to Upper Management:** Our upper management is continually traveling to meet our customers to gain their feedback and insight. Just that fact is showing we can better serve our clients.

• **Distributed “Lean” Manufacturing:** With locations in China, Korea and Malaysia, we can provide a local plant and distribution center that gives us the ability to be closer to our customers. Heller is committed to driving environmental leadership through the design of all its oven products and processes in all its facilities. Heller strives to minimize its environmental footprint and maximize environmental consciousness in everything it does.

The Mark 5 Reflow System Series

Combining our unmatched engineering expertise with a business model that focuses on integrated manufacturing and strategic support centers, Heller provides a “local” presence that goes beyond simple manufacturing. Localized engineering, service teams, process support and training facilities separate Heller from the competition and make us the obvious choice for reflow soldering solutions worldwide.

Heller Industries was founded in 1960 and pioneered convection reflow soldering in the 1980s. Over the years, Heller has partnered with its customers to continually refine the systems to satisfy advanced applications requirements. By embracing challenge and change, Heller has earned the position of World Leader in Reflow Technology. This leadership was confirmed when Heller won Frost & Sullivan’s prestigious Global Reflow Company of the Year Award in 2011 and Best New Product Award in 2011 by the Mark Hellen System.
Mark 5

The latest breakthroughs associated with the Mark 5 reflow system now provide you with an even lower cost-of-ownership. Heller’s new heating and cooling advances deliver up to 40% reduction in nitrogen and electrical consumption. This makes the MK 5 system not only the premier reflow soldering system but the best overall value in the industry!

Energy Management Software — A Heller Exclusive!

Proprietary software allows you to program exhaust draw to optimize energy consumption during the various production times — heavy, light or idle.

Fastest Cooling Rates

The new Blow Thru Cooling modules provide cool rates of up to 3°C/sec — even on LGA 775. That side meets even the most demanding lead free profile requirements.

Recognized Leadership

Our focus on technology-driven solutions in partnership with our customers has been consistently recognized throughout the years by several industry agencies including three Vision Awards for new product innovation, two Market Leadership Awards, two Service Excellence Awards, several awards for vendor excellence and appointments to prominent positions on industry committees and boards. Certainly these awards and appointments validate our market leadership; but they also confirm that Heller is at the forefront of the technology curve — constantly bringing new innovations to market faster and with greater impact than our competitors.

While addressing environmental advances, Heller Industries has been able to provide its customers with ways to optimize their operations and increase their productivity while using fewer resources and enhancing sustainability.

Cost-of-ownership. Heller's environmental advances, associated with the Mark 5 reflow system, now provide you with an even lower cost-of-ownership. This makes the MK 5 system not only the premier reflow soldering system but the best overall value in the industry!
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The World’s Best Convection Reflow Oven

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By embracing challenge and change, Heller has earned the position of World Leader in Reflow Technology. This leadership was confirmed when Heller won Frost & Sullivan's prestigious Global Reflow Company of the Year Award in 2011 and Best New Product Award in 2011 by the Mark Hannon System.

Benefits of Partnering with the World Leader

In addition to getting the best ever technology, working with the industry leader carries many other important benefits:

- **Partnership:** By working closely with our customers, we provide a level of service and expertise that has come to symbolize Heller technology.
- **Corporate Strength and Longevity:** By working closely with our customers, we provide the kind of V.I.P. service and support that has come to symbolize Heller technology.
- **Direct Access to Upper Management:** Our upper management is continually traveling to meet our customers to gain their feedback and insight. We like that by listening we can better respond to our clients.
- **Convenient 'Test' Manufacturing:** With locations in China, Korea and Malaysia, we make it easy to test Heller's systems. Our facilities separate and make us the obvious choice for reflow soldering training facilities separate spares, process support and specialized engineering, service, and strategic support centers.

Combining our unmatched engineering expertise with a business model that focuses on aligned manufacturing and strategic support centers, Heller provides a "local" presence that goes beyond simple manufacturing. Localized engineering, service, spare parts, process support, and training facilities separate Heller from the competition and make us the obvious choice for reflow soldering solutions worldwide.

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