

THE TECHNOLOGY LEADER



The Technology Leader

Heller has been honored with many major industry awards including: 2018 Service Excellence Award, 2017-2018 Vision Award for Innovation, Market Share Leader, and 2018 Frost & Sullivan for Global Company of the year Award.



We welcome you to visit any of our three Centers for Excellence — USA, China and Korea. Operators and engineers can attend “Heller University” to learn about lead-free processing, troubleshooting and advanced applications solutions.

Localized engineering, service, spares, process support and training facilities separate Heller from the competition. This “Glo-Cal” business model (GLObal company with LoCAL strength) has earned Heller the Market Leader position and make us the obvious choice for reflow soldering solutions worldwide.

Benefits of Partnering with the World Leader

Working with the industry leader carries many other important benefits:

- Partnership:**
 We provide the V.I.P. service and support that has come to symbolize Heller Industries.
- Corporate Strength and Longevity:**
 Over 55 years in the electronics industry gives us a solid corporate and management base that ensures stability and continued support.
- Direct Access to Upper Management:**
 Our upper management staff is continually traveling to meet our customers to gain their feedback and input.
- Distributed “Lean” Manufacturing:**
 With factories in China and Korea, we provide “local” sourcing and utilize a “copy exactly” paradigm that ensures Six Sigma performance oven-to-oven and factory-to-factory.

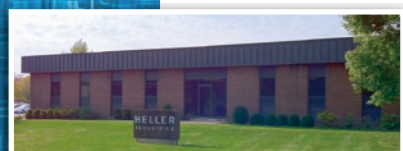
Heller China



Heller Korea



Heller USA



- ★ Heller Factories
- Heller Sales/Service Offices
- Heller Industry Representatives

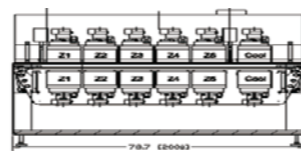


MARK 5 Convection Reflow Ovens

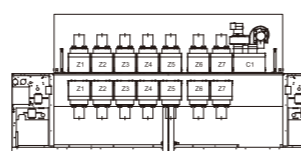


The MARK 5

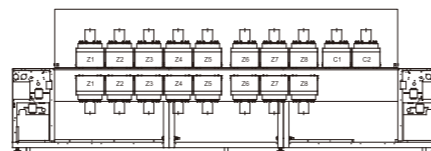
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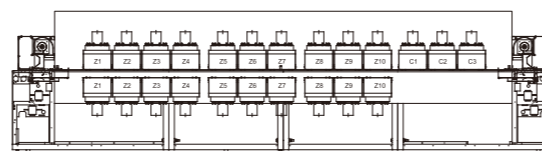
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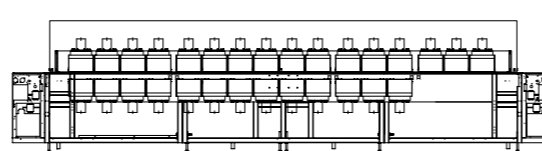
1826/1809



1936/1913



2043



Model	Overall Length	# of Heat Zones	# of Cool Zones	Max PCB Width
1505	79" (2m)	5	1 Top (std.) Bottom Cool/ External Cool optional	22"
1707	142" (3.6m)	7	1 Top (std.) Bottom Cool/ External Cool optional	22"
1826	183" (4.65m)	8	2 Top (std.) Bottom Cool/ External Cool optional	22"
1809	183" (4.65m)	9	2 Top (std.) Bottom Cool/ External Cool optional	22"
1936	232" (5.89m)	10	3 Top (std.) Bottom Cool/ External Cool optional	22"
1913	232" (5.89m)	13	3 Top (std.) Bottom Cool/ External Cool optional	22"
2043	287" (7.28m)	13	3 Top (std.) Bottom Cool/ External Cool optional	22"

NOTE: 1826+1936+2043 models utilize a 30" wide by 12" long heater module to allow drop-in profile compatibility with other vendors' ovens. 1707+1809+1913 models utilize a 30" wide by 10" long heater module to provide improved profile "sculpting" and reduced liquid times. Module sizes up to 36" wide are available upon request for large boards up to 28" wide and increased dual rail width.

HELLER INDUSTRIES THE TECHNOLOGY LEADER

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HELLER INDUSTRIES THE TECHNOLOGY LEADER

ADVANCED TECHNOLOGY FOR DEMANDING PROCESSES



IN TECHNOLOGY INNOVATIONS

MARK 5
 Advanced Technology for Demanding Processes

THE WORLD'S BEST Convection Reflow Oven



TECHNOLOGY
for the ENVIRONMENT

2018 Service Excellence Award



2018 Winner - Global Company of the Year Award

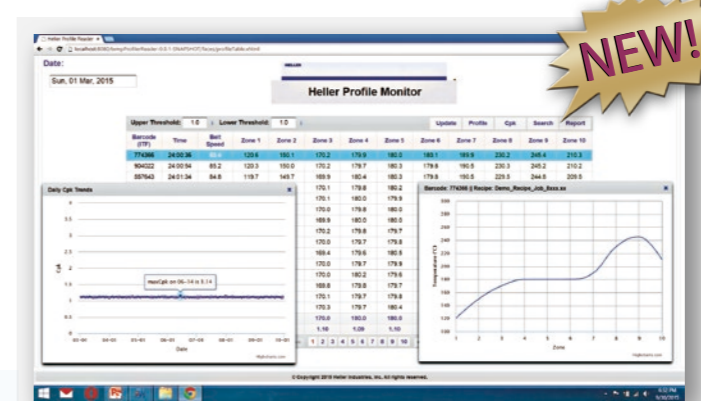


The world's best convection reflow oven

The latest breakthroughs associated with the Mark5 (MK5) reflow system makes it not only the premier reflow soldering system, but the best overall value in the industry!

Recognized Leadership

Our focus on technology-driven solutions in partnership with our customers has been consistently recognized throughout the years by several industry agencies. This recognition validates our market leadership and confirms that Heller is at the forefront of the technology curve — constantly bringing new innovations to market faster and with greater impact than our competitors.



NEW!

INDUSTRY 4.0
Compatibility



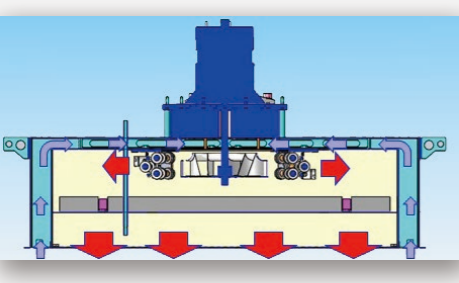
Internet of Manufacturing (IoM) — Smart factories, intelligent machines and networked processes through the use of cyber-physical systems.

Heller offers Host Computer/IoM Interfacing. This integration provides:

- Central control
- Production reporting — # of boards processed, up time, down time
- MTBF / MTTA / MTRR
- Energy management and control
- Traceability of product

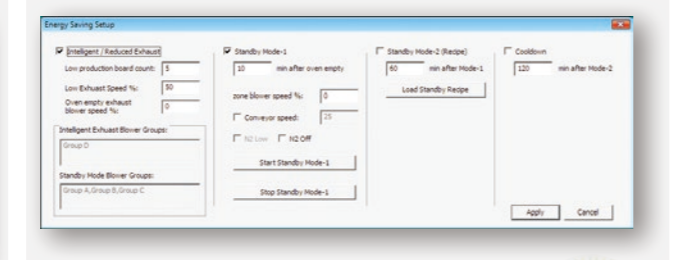
Heller offers compatible interfacing for:

- CFX (AMQP MQTT)
- Hermes
- PanaCIM
- Fuji Smart Factory
- ASM
- Custom interfaces available upon request



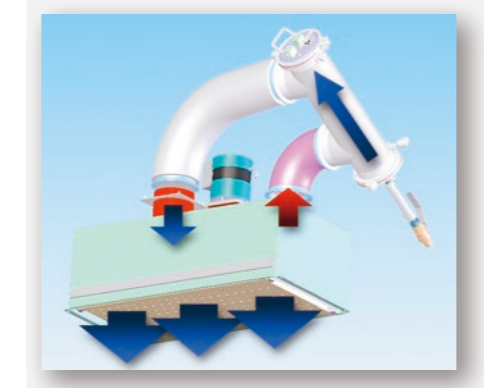
Semi-Circular Heater Modules

Semi-circular heater module with 40% larger impeller, blanket the PCB with heat for the lowest delta Ts on the toughest boards! Additionally, the Uniform Gas Management system eliminates net flow which results in nitrogen consumption reductions of up to 40%!



Energy Management Software — A Heller Exclusive!

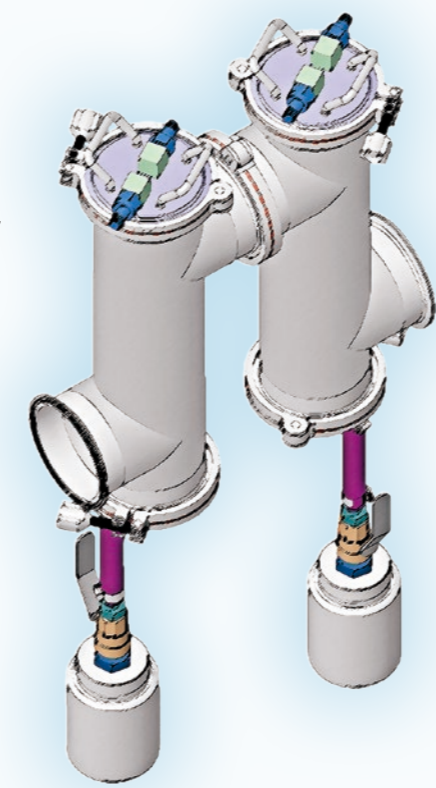
Proprietary software allows you to program exhaust draw to optimize energy consumption during the various production times — heavy, light or idle.



Waterless Cool Pipe Flux Collection System Eliminates Maintenance and Water Chiller!

Our Waterless Cool Pipe flux collection system traps the flux in collection jars that can be easily removed and replaced while the oven is running — saving time consuming P.M.

Additionally, our proprietary Flux-Free Grill system limits the flux residue on the cooling grills — the result is not only reduced maintenance time but recaptured production time — giving the Heller system the highest production yields of any oven!



Fastest Cooling Rates

The new Blow-Thru Cooling module provides cool rates of >3° C/sec. — even on heavy mass boards! That rate meets the most demanding lead-free profile requirements!

One-Step Profiling

Developed in partnership with KIC, you can have instant profile settings by simply entering the length, width and weight of your PCB.



INNOVATIONS