

Heller is pleased to Exhibit at SMT Messe-Nuremberg 2018 the 1911MKIII-V Vacuum Reflow Oven

**Visit Heller/Europlacer at Booth 251 Hall 4**

5th to 7th June 2018

## Heller 1911MKIII-V Nitrogen Vacuum Reflow Oven



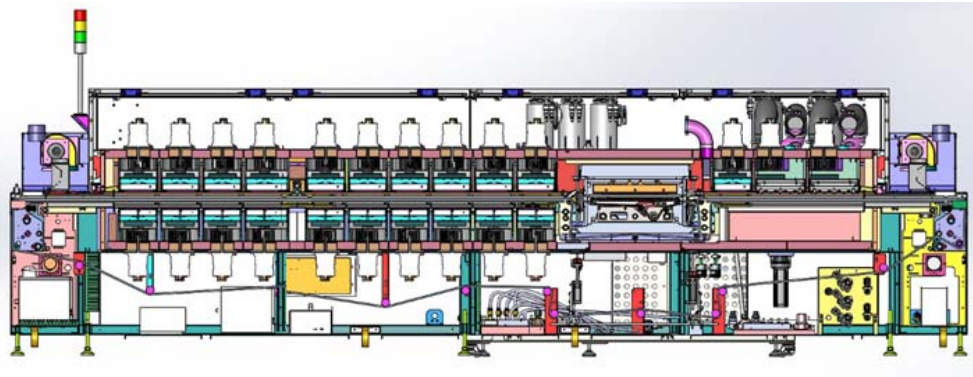
The Heller 1911MKIII Vacuum Reflow Oven, the system includes:

- 11 Heating Zones
  - \* 10 Convection Heating Zones
  - \* 1 IR Zone INSIDE the Vacuum Chamber
- Vacuum Chamber 500mm x 450mm
- Edge Hold Conveyor, pin chain
- Closed Loop Nitrogen Atmosphere Control
- Award Winning COOL-PIPE Flux Management system

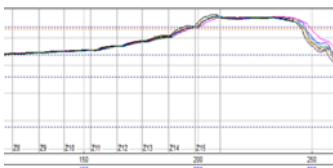
Let us explain how this system can help you to:

- Target voiding ratio under 2%
- Maintain Solder Paste Reflow specifications including Liquidous times under 60 seconds
- Target Cycle Times of 40 seconds (and 20 seconds for dual lane systems)
- High Temperature applications upto 400°C

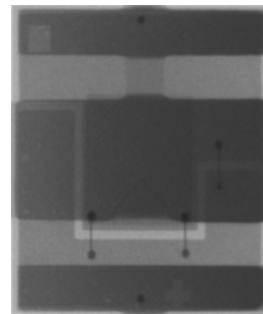
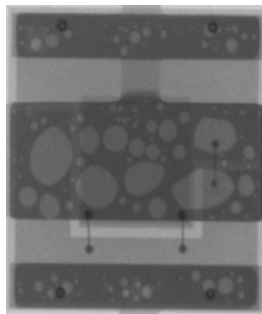
1936MK5 Vacuum Oven Overview



### VACUUM REFLOW PROCESS



Standard Reflow



Peak Temp		Tot Time (217C)	
238.50	-15%	52.82	-24%
238.44	-16%	53.09	-23%
237.84	-22%	51.35	-29%
243.15	32%	53.95	-20%
240.87	9%	52.39	-25%
240.20	2%	51.68	-30%
5.31		2.87	

Reflow with Vacuum