

## Heller Industries Inc.

**Software log: Heller Oven Operating Program for Windows XP/Vista/7**  
**PN: 591753**

<u>Software Version</u>	<u>ECN #</u>	<u>Change/Update Description</u>
5.0.0.1	9/29/2008	<ul style="list-style-type: none"> <li>- Continuation from 4.0.1.8 (XP) version</li> <li>- Added 1914 (14 zone) model</li> <li>- Overview screen resolution changed to 1024 by 768</li> <li>- Updated SECS/GEM capability</li> <li>- Added Lot tracking via SECS/GEM feature</li> <li>- Added Monitoring temperature feature using 2nd HC2 controller (serial communication to main HC2 ctrl). Monitoring HC2 driver version 9.0.0.0.</li> <li>- Added feature for Blower RPM data read via SECS/GEM</li> <li>- Added Belt speed range auto switch digital output option</li> <li>- Added Custom digital switch option</li> <li>- Removed default labels from I/O selection; only I/O numbers are displayed</li> </ul>
5.0.0.2	10/6/2008	<ul style="list-style-type: none"> <li>- Added HellerSECSGEM version 1.0.10.0 compatibility</li> <li>- VID 30554 is updated using UpdateU1VID, it was I4 type earlier</li> </ul>
5.0.0.3	12/10/2008 Not released	<ul style="list-style-type: none"> <li>- Recipe shadowing to allow recipe upload/download/delete when it is running (Heller SECSGEM)</li> <li>- Update setup wizard XML file to add channel table.</li> <li>- Update HC2 drivers to allow Offset entry program to work on newer build HC2 (with rev2 of Cirrus logic processor)</li> </ul>
5.0.0.4	Rev-A ECN080069-000 12-29-2008	<ul style="list-style-type: none"> <li>- Fixed a crash with Edit mode</li> <li>- Update HC2 drivers to allow voltage style inputs on TDM for belt</li> <li>- Fixed a rare issue related to TDM channel type read. This is related to K-type or voltage style i/p. J-type T/C was never implemented.</li> <li>- Coupler control rail fix for 3 rail 2 conveyor belt configuration.</li> </ul>
5.0.0.5	Jan-20-2009	<ul style="list-style-type: none"> <li>- Added Smema9851 interface option which addresses smema upstream signal. Upstream stays ready when product entering the oven until board length + board spacing is achieved, then signal goes to not-ready for 0.5sec and comes back to ready state to accept next board.</li> </ul>
5.0.0.6	Feb-04-2009	<ul style="list-style-type: none"> <li>- Fixed an issue where Smema(II or 9851) options were not getting set to the HC2 controller. This issue was noticed on a Vista OS and 5.0.0.5 version.</li> <li>- Fixed a rare issue where hot job was not getting loaded from a cooldown mode. As soon as recipe loaded oven was going into cooldown.</li> </ul>
5.0.0.7	Mar-16-2009	<ul style="list-style-type: none"> <li>- Added Smema with Belt Stop option (Cure Oven SMEMA)</li> <li>- When Belt SP=0, light tower stays Yellow</li> </ul>

## Heller Industries Inc.

Software log: Heller Oven Operating Program for Windows XP/Vista/7

PN: 591753

5.0.0.8	Mar-25-2009	- Fixed issues noticed related to board spacing and SMEMA9851 with belt stop
5.0.0.9	Apr-15-2009	- Added settable belt stop delay for cure oven smema - Added option: new board delay for SMEMA 9851 - Added option: Entrance board Jam/Stop warning using predefined board length - Added option to disable board length from board drop calculation
5.0.0.10	Apr-24-2009	- Fixed an issue noticed on 5.0.0.9 for board drop not working under certain condition (while board is entering if exit sensor is blocked). - Board entrance and exit Stop are made independent of animation /brd count when predefined board length is selected. - Heat channel PB=15 as a new default value; old value was 25. - Added a function for KIC to check if oven is in Remote or Local control.
6.0.0.0	June-12-2009	- Continuation from 5.0.0.10 - Fixed: in 5.0.0.10 if SMEMA9851 is enabled without board animation, then entrance and exit part of smema did not work. - Oven Barcode Program compatibility - VIP mode option for Samsung. Create vip or vip.txt file in c:\oven folder and then run oven program to activate VIP mode - Feature added: Auto log down to operator level - Feature added: Auto acknowledge warning when click OK on pop up message
6.0.0.1	July-13-2009	- Bug fixed: auto log down to operate mode: once log down to operate mode, SP can still be changed - Bug fixed: - autopurge/standby option did not worked for closed loop Dansensor control. High flow o/p stayed on even after purge timeout. Without closed loop, once low flow is active, purge is not activated by sensor input. Note: For Autopurge/standby option, all entrance sensor inputs are always active even board/smema options are not selected.  - Bug fixed: 1913 model with cool zone1 heater setup, cool zone PV was grayed out. 1914 model: zone 14 PV were grayed out.

## Heller Industries Inc.

**Software log: Heller Oven Operating Program for Windows XP/Vista/7**

**PN: 591753**

6.0.0.2	Sep-18-2009	<ul style="list-style-type: none"> <li>- DY sensor capability</li> <li>- Hyperterminal read for Hygrometer</li> <li>- When program starts, allow time for HC2 to boot completely before generating communication error</li> <li>- Added SECSGEM events 1076-1083 for board entry and exit</li> <li>- Added feature to allow custome bitmap for N2 on/off and CBS up/down buttons. (N2ON.bmp, N2OFF.bmp, CBSUP.bmp, CBSDOWN.bmp).</li> <li>- Startup sequence delay for "Audible alarm on all warning" option is removed.</li> </ul>
6.0.0.3	ECN 090037-000 Nov-19-2009	<ul style="list-style-type: none"> <li>- When "Disable autoacknowledge warnings" selected, autoacknowledge warnings for heat-belt warning untill startup sequence is finished +2min.</li> <li>- Audible alarm on all warnings is not active during startup sequence +2min.</li> <li>- Bug fix: Calender issue with Japanese language</li> <li>- Bug fix: Unstable belt speed when exit sensor is blocked</li> <li>- HC2 driver version check during program start is updated to check for exact match. Previous versions were checking only for older version.</li> </ul>
6.0.0.4	12-10-2009	<ul style="list-style-type: none"> <li>- SMEMA operation tie-up with barcode program</li> <li>- improved barcode-smema operation on dual lane smema</li> <li>- Fixed: N2 button bitmap with password protection was not representing actual N2 on/off when clicked Cancel on password window.</li> <li>- Recipe name in Winkic when cooldown is loaded displays COOLDOWN now.</li> </ul>
6.0.0.5	Jan-28-2010	<ul style="list-style-type: none"> <li>- Added Features: <ul style="list-style-type: none"> <li>- Blower RPM display on overview screen (Heat and cool zones)</li> <li>- Data logging for blower RPM</li> <li>- Message/Warning/Alarm for heat zones based on blower RPM</li> </ul> </li> <li>- Added fix for ActiveX function calls (KIC, ECD). Issue was that user thread can request data before communication thread populates buffer data.</li> <li>- Fixed: single channel Dansensor communication message was not regenerating after acknowledged in alarm window.</li> </ul>
6.0.0.5 patch	Jan-28-2010	<ul style="list-style-type: none"> <li>- Improved HC2 comm loss error mechanism. Allow 15sec to recover communication, (changed from 5sec).</li> </ul>
6.0.0.6	Mar-08-2010	<ul style="list-style-type: none"> <li>- ActiveX function change for rail width change (for Mydata Line Control software).</li> </ul>
6.0.0.7	Mar-26-2010	<ul style="list-style-type: none"> <li>- Fixed: 1914 R-L model overview layout</li> <li>- Fixed: 1913 R-L with visible flux heater overview layout</li> <li>- Fixed: 1913 with non-visible flux heater chanel issue. Flux1 heater channel was hidden under top13 zone.</li> </ul>