



Service Update InkCenter

Revised 03/01/2013
to suggest improvements or ask
follow up questions

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Objective: Provide information on what is new with the Ink Center

Special Request from Service

- Please contact RIS service whenever access to the infusion pump through tech pane is needed. If the procedure is not followed precisely, cross contamination of ink, damage to additional parts or an ink mess may occur.
- ESD is present in the winter months, so please be sure to follow proper ESD procedures when dealing with the electronics in the InkCenter

Manufacturing changes

- **Kloehn infusion pump**
 - Issue: a weeping rotary valve causes ink to get on controller board and short it out, requiring replacement of infusion pump
 - Corrective action taken: A gutter has been placed within the infusion pump to direct the ink away from the board. This is not visible within the machine.
- **New Style Injectors**
 - New style injectors are now being used @ Costco US and Canada. They are designed to be compatible with the new line of Ink cartridges being filled.
 - Mexico, Fry's, Universities and Best Buy do not use the new injectors yet.
- **New Style syringes**
 - The new style has a felt ring at the base of the plunger. It is impregnated with lubrication to extend the life of the syringe
- **New Modification to Rotary valves**
 - The modification include relocating the weep port on the valve
 - Chamfer of plug to prevent binding
 - Set screw installed to prevent plug from working loose.
- **New Style Chamber Door**
 - New style door is being tested. This will help extend the life of the door
 - New Doors will use washer s around the handle to help prevent cracking.

Software Changes

- **Upgraded Firmware on I/O and tester board**
 - These changes allow better communication within the machine components
 - Increase reliability and print speed of tester.
- **Latest and greatest software release**
 - All Machine should be running version 3.46-08
 - New Software resolved many of the issues of previous software and allows for more cartridge types to be processed

- One issue remains and will be resolved on next rollout. A recoverable error when the prep is doing final cleaning and a fill starts at the same time. Causes a vacuum error. A rare circumstance more likely to occur during high volumes

Additional Cartridges

- U.S. and Canada Costco Sites are now processing the HP 88 and 940 Cartridges and Epson Ink tanks.
- Fry's has Epson but not HP88
- Beta testing of HP950 and HP 932 cartridges has begun. Will be rolled out to rest of machines once testing is complete. Review documentation on Help tab for additional information.

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