



Service Update InkCenter

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

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
 - Doors currently being shipped will have reinforcement washer around the handle to help prevent cracking of the Plexiglas

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 3.45-08
 - 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

- US and Canada Costco Sites are now processing the HP 88 and 920, 940 Cartridges and Epson Ink tanks.

- [Fry's has Epson but not HP88](#)
- Beta testing of HP940 cartridges has begun. Will be rolled out to rest of machines once testing is complete. Review documentation on Help tab for additional information.