

## MEMJET FLASH IC FIX FIRMWARE RELEASE NOTES

### R15.1 FIRMWARE

#### **FOR M SERIES (M1, M2 & M1DX) PRINTERS:**

1. Fix for **IAPI M1DX** black back pages when printing in **Simplex Mode**.
2. Fix for **IAPI M1DX** when printing duplex and odd number of pages is sent. Last page was black. **NOTE:** RIP should really send an even number of pages as required for collating/multiple copies, etc.
3. Fix for RIPs not including hidden job ID tag resulting in corrupt ink usage history.
4. Make **Test Page** feed work in **Duplexer Mode**. **NOTE:** Also overrides **paperpath error** triggered by the **Feeder Sensor** when in **MAINT** active state to prevent a **paper jam maintenance** being triggered after a sheet is fed.
5. Re-enable internal **LUT** adjustments. Color adjustments of **Ink Channels** from **Commands Help**.
6. Fix Cartridge mismatch and illegal misleading statuses.
7. Fix for **Replace Ink Tanks** not deactivating tanks in new **Simplex Toolbox** view.
8. Fix handling of long job names appearing as blank.
9. Fix **xpose sensor\_on\_timeout** as a configurable value in the **Toolbox**.
10. Add extra Sensors on **Scan Sensors** for **M2**. SUP-556.
11. Keep **Toolbox** in **MAINT BUSY** when the Service Station is ejected, plus make the Service Station "?" symbol red.
12. Remove **"Top"** from the rollover text when the Printer is in **Simplex Mode**.
13. Use M2 style printer image in **M2 Toolbox**.
14. Add **PAPER\_OUT** message to **M2 Status** when the **Feeder Tray** is left not raised. SUP-599
15. Memjet flash patch for new Flash IC.

## R15.1 FIRMWARE

### FOR MC SERIES (M1C) PRINTER:

1. Re-enable internal **LUT** adjustments. Color adjustments of **Ink Channels** from **Commands Help**.
2. Fix for **Replace Ink Tanks** not deactivating tanks in new **Toolbox** view.
3. Fix handling of long job names appearing as blank.
4. Keep **Toolbox** in **MAINT BUSY** when the Service Station is ejected, plus make the Service Station "?" symbol red.
5. Expose **label gap** and **blackmark detection variables** in the **Toolbox**.
6. Memjet flash patch for new Flash IC.
7. Toolbox changed to M1 style.

## R1.4 FIRMWARE

### FOR S1 PRINTER:

1. Add current language string to **Status Info** in case it is required in the future.
2. Add **image size** to default **Job Logging**.
3. Add **profile file name** plus **mode** (*Color/Composite Black/Black Only*) to logs. **Profile file name** is used (*as opposed to the localized display name*) as it will be in plain English and won't risk special characters in plain text log file.
4. Match the displayed **Maintenance name** to the **UI Maintenance Function** (*e.g., Full Printhead Clean*).
5. Add **Full Printhead Clean** to the **Toolbox**, plus rename **Wipe Printhead** to **Quick Clean Printhead** for consistency with **Touchscreen**.
6. Add simple handling of **BMT v3** files – skips localization of new data.
7. Streamline internal language handling.
8. Add **GPIO board** revision reporting. Initial boards do not have the ID chip, so will report **-1**.
9. Re-fix for **Inspect Sled** corner case – **End Inspection** confirmation after timeout.
10. Change **Feeder Drive Acceleration** to match **Printzone** (3000).
11. Change **Script Wipe Offset Scaling** to double resolution. No changes to script at this time.
12. Move **Feeder Encoder** into **NVM (feeder\_erpi)**; current default **1420** may need to change to **1450** plus **tof\_offset**).
13. Fix displayed **Printhead Status** when latch is open.
14. Fix Printhead **Ink Type** being incorrectly set on new Printheads. (*Astro only*)

## R1.4 FIRMWARE

### FOR S1 PRINTER (continued):

15. Fix **Maintenance Abort button** becoming inactive after first use.
16. Add **Ink Type** to **Diagnostics** page.
17. Improved **UI** version updating.
18. Add support for **UI Videos** menu option. Requires **R0.2.x** UI versions and videos to be present on the **UI** to appear.
19. Support for **rpi** versus **rpz** for update upload in **Toolbox** for new **UI** version.
20. Fix **Maintenance Abort button** color scheme.
21. Fix for **Media Setup** race condition when a job arrives.
22. Only list **fbf file** in **Toolbox Firmware Update** plus filter out incorrect model in **Toolbox** during **Submit** to improve user experience.
23. Change the way the **firmware match string** on the **fbf upload** is defined in code build.
24. Memjet flash change to 64kB sector size for new Flash IC.

### FOR L1 PRINTER:

1. Test implementation of ability to invert **TOF** for the **See-Thru Sensor**. Allows it to be used to detect **Blackmark Media**.
2. Add **current language string** to **Status Info** in case it is required in the future.
3. Add **Image Size** to default **Job Logging**.
25. Add **Profile File Name** plus **Mode** (*Color/Composite Black/Black Only*) to logs. **Profile File Name** is used (*as opposed to the localized display name*) as it will be in plain English and won't risk special characters in plain text log file.
4. Match displayed **Maintenance name** to **UI** maintenance function (*e.g., Full Printhead Clean*)
5. Add **Full Printhead Clean** to the **Toolbox**, plus rename **Wipe Printhead** to **Quick Clean Printhead** for consistency with **Touchscreen**.
6. Add simple handling of **BMT v3** files – skips localization of new data.
7. Streamline internal language handling.
8. Add **GPIO board** revision reporting. Initial boards do not have the ID chip, so will report **-1**.
9. Change **Script Wipe Offset Scaling** to double resolution. No changes to script at this time.
10. Fix displayed **Printhead Status** when latch is open.

## R1.4 FIRMWARE

### FOR L1 PRINTER (continued):

11. Fix Printhead **Ink Type** being incorrectly set on new Printheads. (*Astro only*)
12. Fix **Maintenance Abort button** becoming inactive after first use.
13. Add **Ink Type** to **Diagnostics** page.
14. Improved **UI** version updating.
15. Add support for **UI Videos** menu option. Requires **R0.2.x** UI versions and videos to be present on the **UI** to appear.
16. Support for **rpi** versus **rpz** for update upload in **Toolbox** for new **UI** version.
17. Fix **Maintenance Abort button** color scheme.
18. Only list **fbf file** in **Toolbox Firmware Update** plus filter out incorrect model in **Toolbox** during **Submit** to improve user experience.
19. Change the way the **firmware match string** on the **fbf upload** is defined in code build.
20. Memjet flash change to 64kB sector size for new Flash IC.