

## **FirstPROOF v5.0.1 Release Notes**

The 5.0.1 release of FirstPROOF is a minor but significant update containing a number of important bug fixes, substantial improvements in performance & quality to the Color Management system, and a few changes & features requested by customers.

### **1. Changes and Fixes To FirstPROOF:**

1. A memory bug has been fixed which could sometimes cause a crash if zooming in / out and enabling / disabling separations, depending on the down-sample mode (Configure FirstPROOF - View panel) and which operations had gone before.
2. Incorrect update of the Navigator window and slow performance with the down-sample mode set to "Don't down sample" (Configure FirstPROOF - View panel) has been fixed.
3. General performance improvements of around 10% have been made in viewing and other operations.
4. A "Refresh Job List before searching" option has been added to Find Job [Again] which allows for much faster searching when a refresh is not required.
5. Problematic TIFF files that use large single strips now get that information reported in the Info window, appended to the format.
6. The scanning of small or large floating point numbers with exponents in PGB files has been fixed.
7. Error messages on corrupt or alien image files (PGB, TIFF or LEN files) when doing a Refresh are now better reported and include the offending file name.

### **2. Changes and Fixes To FirstPROOF Pro:**

#### **Dot Gain:**

1. Significant performance improvements have been made in viewing and down-sampling when using the Dot Gain tool - up to 2x faster.
2. The range of dot gain that can be set (Dot Gain Manager - Dot Gain) has been increased from [0.5, 1.5] to [0.5, 2.5]. For a typical job at 2400 dpi this increases the maximum dot gain that can be obtained for the 50% patch from approx. +20% to approx. +40%.
3. Import & export of dot gain data (Dot Gain Manager) is now available (for sharing settings).

#### **Bar Codes:**

4. A number of new bar code types are now supported. As well as the previous EAN-13 / UPC-A bar code, support for EAN-8, EAN-128, ISBN, ITF-14, JAN and UPC-E bar codes have been added.
5. The 'scan-area' reported when using the bar code tool has been improved to show which 'scan-line' is being used to read the bar code.
6. The bar code reader can now scan bar codes in either direction (right to left or left to right).
7. The calculation of a bar codes percent scaling and BWR are calculated more accurately.
8. Guard bars around a bar code are now ignored when scanning a bar code.

#### **Printing:**

9. An overflow bug has been fixed which could sometimes cause printing of large pages to appear 'washed out'.

**Color Management:**

10. A bug has been fixed which could cause a crash when viewing very small pages and color management is on.
11. A bug has been fixed which could cause a crash when viewing proportional data and color management is on.
12. The memory requirement when color management is enabled has been substantially reduced.
13. Significant performance improvements have been made in viewing and down-sampling for the various Color Management methods - up to 2x faster.
14. A new color method "CIE (XYZ)" (Configure FirstPROOF - Color panel) has been added which provides much more accurate color viewing.
15. The display of the Spectral Manager Graph has been improved.
16. A Default color has been added to all Spectral Data Sets (although disabled by default) which when enabled will be used by all colors not found. This is a black color and can be used for things like cut-marks or die-line separations.
17. The Paper color in a Spectral Data Set has been set to be a perfect reflector by default (although still disabled by default).
18. Deleting the Paper color in a Spectral Data Set is now no longer allowed.
19. A "Dot Gain (patch)" has been added to the Spectral Manager, which allows you to enter a target density level and then take a measurement to calculate what the actual density level is. This can then be used with the Density Measurement tool and Dot Gain Manager to set the level of dot gain required to match that on a press print.
20. The paper color used for a CIE based color method is now always taken from the Paper color in the selected spectral data set in the Spectral Manager.
21. The paper color used when zooming below 25% and the color managed view is not available is now correctly taken from the Paper Color (on the main tool bar).

**Miscellaneous:**

22. Changing job names now works correctly (used to swap over the Yellow and Magenta separation names) when Modifying separations. Merging, rotating and cleaning separations are also now correct (as used the same common code).