Borderless Printing Setup

Issue: Because borderless printing was used, the optic eye cannot locate one or more registration marks.

- Marking a borderless print option will move the images without adjustment to another setting. At least this is the case when I tested Canon, HP and Epson printers to which I had access. [1] Thus, after the first registration mark is identified the camera or optic eye doesn't move far enough to locate the next mark. Or, in some cases, the second mark might not have been moved out of range but the third mark has been and the optic eye will fail on that one.

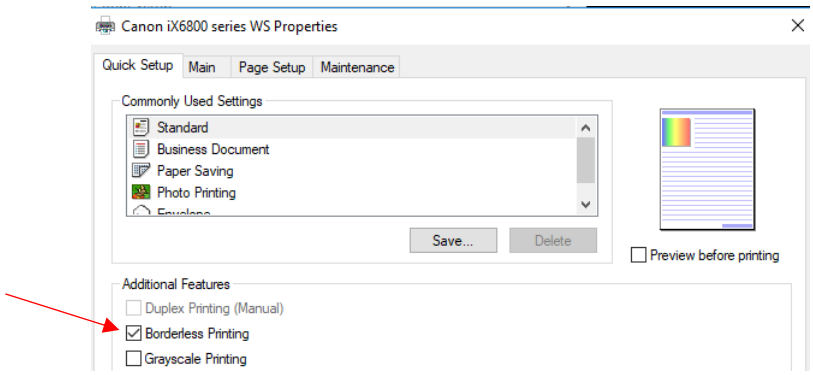
- By Googling the issue, I was able to find the following link which fixed the issue on my own Canon and my customer's Epson. Note that you need to *minimize the setting* instead of what it shows at this site (which is maximizing).

  https://www.redrivercatalog.com/infocenter/tips/inkjet-borderless-expansion.html

- However, my own HP **Printer Properties** window lacks the setting shown in the above link and I couldn't locate anything similar to change. I could turn on **Borderless** printing but that was it. So, at this time, I cannot offer the solution if you have an HP printer like mine. If you DO figure it out some other way, please send me an email: smccauley45@cox.net.

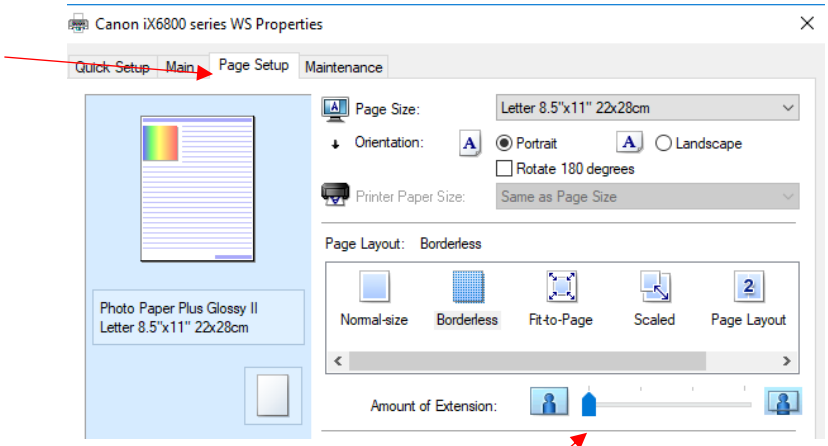
- **Solution in Detail for Canon Printers:**

  (1) Go to **File>Print Setup**. Turn on the **Borderless** printing option. For my Canon, it looks like this:



  (2) Next you need to locate a setting called **Amount of Extension**. It may be on the same tab as the **Borderless** option or you may need to search and find it on another tab or even under an **Advanced** setting. On my Canon, it was found on **Page Setup** tab. Reduce that setting to the minimum possible setting:

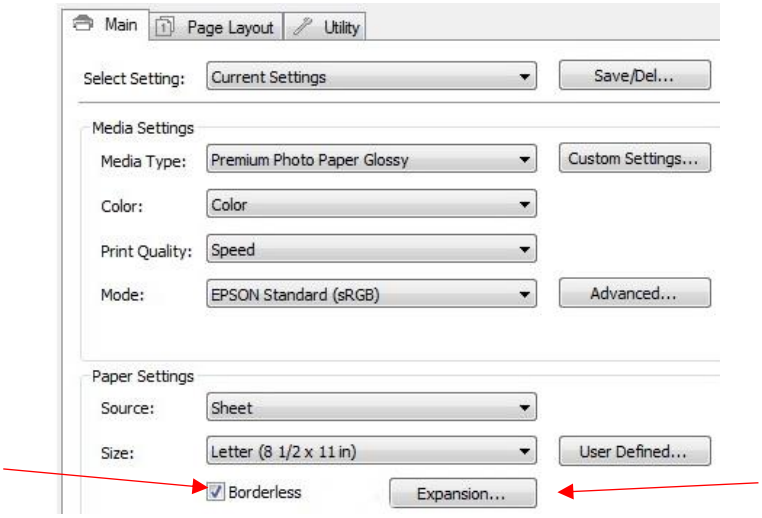
[1] Using Microsoft Publisher, I placed 4 rectangles within an inch of the outside margins of a letter-sized document. I printed twice, once with the borderless option marked and once without. I then held both printouts up to a light so that I could check for alignment. With one rectangle aligned on both sheets, it was readily apparent that the other rectangles did not match up at all.



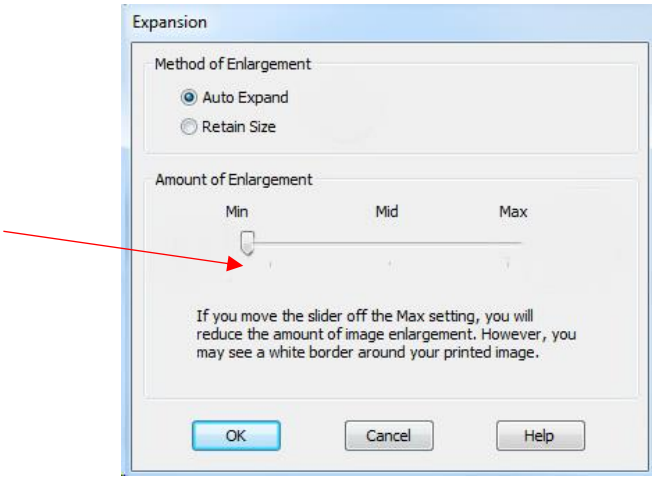
(3) Then click on **OK** and **OK** to save the settings. Now you can print the project and the registration marks should be within the distance the optic eye travels to locate subsequent registration marks.

- **<u>Solution in Detail for Epson Printers:</u>**

(1) Go to **File>Print Setup**. Turn on the **Borderless** printing option. For the Epson I tested, it looks like this:



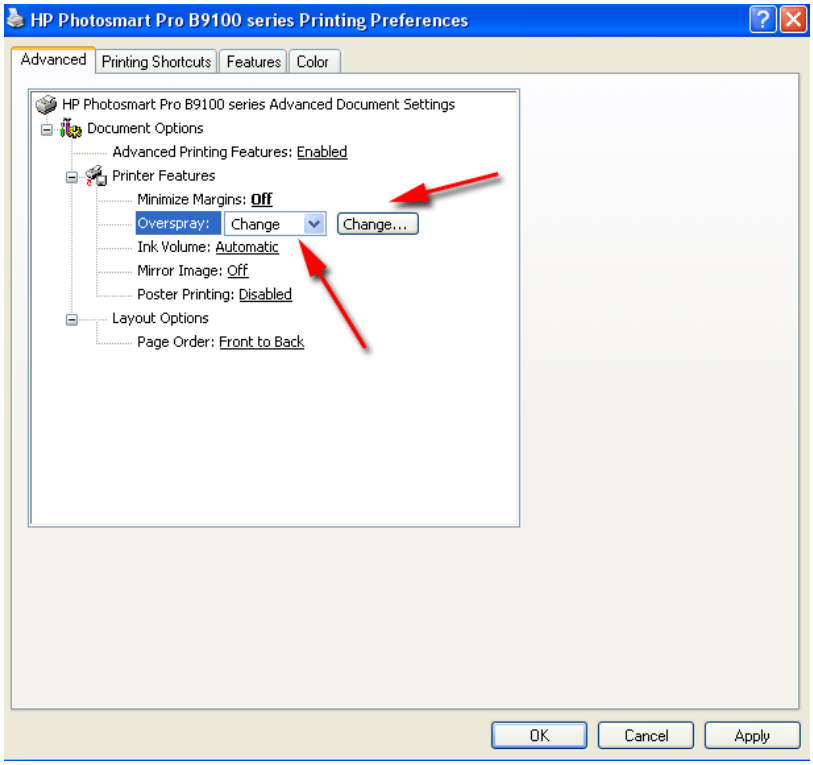
(2) Next you need to locate a setting called **Expansion.** It may be on the same tab as the **Borderless** option or you may need to search and find it on another tab or even under an **Advanced** setting. Click on **Expansion**, if needed, to then see a scale like the following. Reduce the setting to the minimum possible setting:



(4) Then click on **OK** and **OK** to save the settings. Now you can print the project and the registration marks should be within the distance the camera or optic eye travels to locate subsequent registration marks.

- **<u>Solution in Detail for SOME HP Printers:</u>**

(1) Go to **File>Print Setup**. Click on the **Advanced** tab. Look for a **Borderless** option, along with **Overspray** or **Borderless Expansion** setting to <u>minimize</u>.



◊ Note that the above screenshot was taken from the earlier link therefore I couldn't add more detail about what to change because my own HP printer's **Preferences** window does not have these settings.