

ppi InkReduction

Maximum Quality at Minimum Cost



In 4c printing, getting the ink application right is a constant challenge. An ink application of over 300 %, which has a negative influence on printing results, especially when waterless presses and printing couples without ink zones are used, is not unheard of in everyday use. Past experience shows that an appealing image quality which reduces ink consumption, waste copies and drying times to a minimum is only achieved below a value of 240 %. To ensure that you are always on the safe side here, ppi offers a solution for automatic ink reduction which you can integrate quickly and easily in your PostScript or PDF workflow.



Operating principle

Even if each drop of ink may not necessarily count, it is possible to achieve considerable long-term savings when using CMY process colors. And if you find smeared ink, long drying times and additional cleaning nerve-racking, then it's high time you finally switched to ppi's InkReduction to ensure you get the "right" ink application.

This program enables you to achieve a balance in ink application between economical use and maximum quality for both composite as well as pre-separated assembly. In simple terms, the achromatic elements of an image, which are created using CMY, are replaced by key

elements (K). In a composite view, this does not result in any visible differences between the original and the edited image (see Fig. below).

PostScript and PDF Workflow

Two different methods are implemented for the PDF workflow and the classic PostScript workflow.

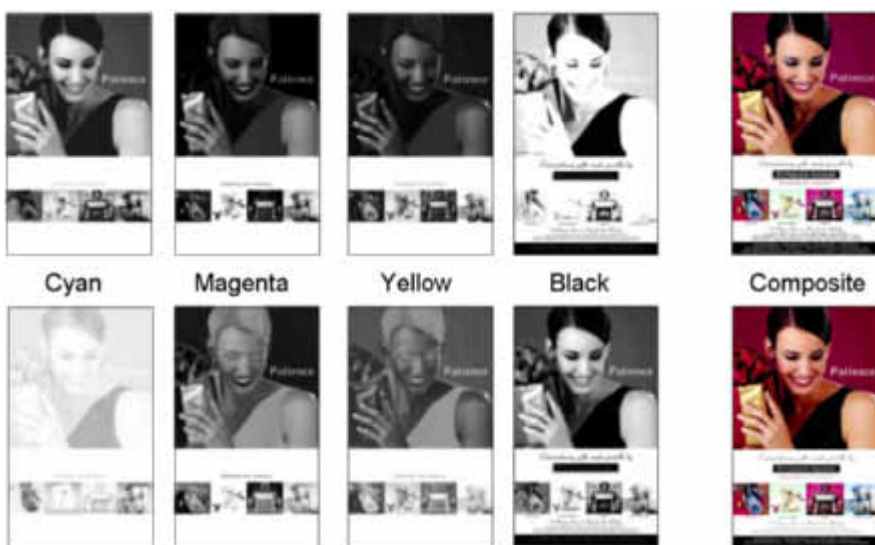
In the PDF workflow, the image data is converted in the PDF file itself and then replaced, while in the PostScript workflow, specially developed PostScript procedures (ProcSets) are incorporated. The actual conversion process is then performed during ripping.

How you benefit

- Savings on ink, paper and time, without a loss of quality in your print results. This means there are no visible differences between the original and edited images.
- Simple integration in an existing ppi workflow requiring only minimum configuration. There are no additional charges for hardware or external interfaces.
- Further color conversion such as grayscale conversion, spot color substitution and 4c composition are also possible.
- Visual proofing can be performed directly with ppi's ProofStation.

Standalone option

ppi InkReduction is also available as a standalone solution, i.e. without ProPag, and can be easily integrated in a OM workflow in order to reduce the ink application on pages supplied by third-party systems .



Separations/composite without ink reduction (top row) and with ppi InkReduction (bottom row).

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