

## OFFSET PRINT

### File Preparation Guidelines

#### Acceptable File Types

The preferred format is a print ready (high resolution) PDF with fonts outlined and images embedded. Include bleed and crop marks, and use CMYK color space.

The following files are accepted (in order of preference) and should adhere to the guidelines listed in this document:

Adobe Acrobat  
Adobe InDesign  
Adobe Illustrator

#### Working in the Right Software

Prepare your art in the program best suited for the task. Illustrator is a drawing (vector) program, ideal for Wide & Grand Format graphics. Photoshop is a pixel-based (raster) program that lets you size, color-correct and manipulate digital images such as photos and flat art but should only be used when a large file is necessary. InDesign is best suited for multi-page layouts.

#### Bleed

The area beyond the trim edge of your page document is considered the bleed area. When butting a color or image up to the edge of your page, it's required that the color or image "bleed" beyond the edge to prevent an unwanted white border from showing when the document is trimmed. For the bleed to show up in your PDF, you must indicate 1/8" bleed in your PDF print or export setup. Make sure both raster and vector elements have bleed.

#### Trim and Cut Marks

The trim area indicates the finished size of the document. Do not manually draw in the trim marks. Allow the software to add the trim marks when you create your PDF. For graphics that will be cut to shape, please include a new layer with only the die line provided.

#### Safe Area

Remember to keep important elements within the safe margin (at least 1/4" from the edge) to ensure that they aren't cut off when your document is trimmed or in a frame.

#### CMYK vs. RGB

CMYK (cyan, magenta, yellow, black) are the ink colors used in the printing process, whereas RGB (red, green, blue) are the colors used by screen displays such as your monitor. Your document should be created in CMYK mode so that the colors you see on the screen most closely match the final printed product. Many of the bright values produced by our monitors' RGB displays cannot be reproduced in print.

#### CMYK Process vs. Spot Colors

Process and Pantone match colors may look identical on screen, but they will print differently. If you need to convert a spot color to process, use a conversion guide or ask us for a recommendation.

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#### Rich Black

Since our equipment uses 4-8 colors of ink, use rich black as much as possible. The rich black combination we prefer is C - 65, M - 55, Y - 53, K - 100.

#### Keep Track of Your Colors

Delete unused colors from your swatch palette before submitting your file. If the piece is printing entirely in CMYK, convert any spot colors you may have used. This eliminates any question as to whether you want the color printed as CMYK or matching a spot. Having said that, it's still best to indicate the color specs when you upload your file, especially if you want it to print with matching spot colors.

#### Fonts and Linked Graphics

All fonts must be outlined and graphics must be included with your files. Take advantage of the "Package" feature in InDesign. It will help you collect images used, and search for missing items. Your document may show the placed image, but the actual file may have become unlinked when saved in a folder that differed from its original location. Missing links can cause graphics to print out low-res or not at all.

#### Maintain Image Quality

Images must conform to the specifications for minimum image resolution – 300 dpi, with a D-Max (Maximum Density) of no more than 300. Photoshop provides tremendous pixel control, however, raster software cannot enlarge images without a loss in quality. It's better to start out big when producing a digital image, as you can scale down with impunity. If you need to make an image larger, it is best to re-scan or re-shoot it at a higher resolution. Vector graphics, however, retain high image quality at any size.

#### Make Image Changes Before Importing Them

Placed images should not be scaled, cropped/masked or rotated within the page layout application. Instead they should be manipulated in a proper image editing program (i.e., Photoshop) and then imported into the page layout program at proper size and position. If done in a page layout program, these steps consume a lot of computer memory.