

# PDFSERVER

by binuscan

*Check every element inside a PDF page  
and convert everything  
to the same press profile,  
with the same total ink limit  
before sending to the CTP*

**Create a document  
without worrying about  
the press or stock  
it will be printed on  
Gravure, flexo, offset sheetfed  
or web, coated, uncoated  
or newspaper stock...  
The document will be converted  
right before it goes to CTP.**

**Accurate colors and a  
faster press start**

**Strong reduction  
of paper waste and  
outstanding ink savings**

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## High end technology...

While an ICC profile such as "Euroscale Coated v2" or "U.S. Web Coated (SWOP) v2", or a customized press profile, may be suitable for images with natural colors, it cannot be used for anything else like text or artwork, because of the Lab conversion limitations.

For example, a black text, or black only shadow, would be converted to CMYK with registration problems, rosette effects, etc.

**binuscan PDF Server** combines ICC profiles and ICC device link profiles. It determines which elements of the page are natural colors or artwork and converts to the desired color space while respecting the graphic creation.

A black text (0/0/0/100) will remain at 0/0/0/100, a 0/0/0/53 black shadow will become 0/0/0/38 if necessary, but without unwanted CMY components.

Every element of the page will be converted to the same color space, with the same total ink coverage limit, except for plates barcodes, which will remain at 400%.

In case of BW conversion, a check and adjust process is applied in the same way.

On bitmap elements (images), an adaptative sharpening may be applied, to compensate for the bicubic resampling, or simply to fit with specific printing requirements (i.e. newspaper stock).

**binuscan PDF Server** is a Windows service using hot folders.

The same PDF page can be converted to:  
Press-1/color, Press-2/color, Press-3/BW, etc...  
... automatically.

## ... for instant benefits!

### From the same PDF document:

- **Ensure consistent print across different printing sites, including BW conversion**
- **Faster press start**
- **Reduce paper waste**
- **Save ink**
- **Allow higher production speed**



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*We've all shared a dream for the last 10 years, since ICC Profiles first appeared: to be able to create a document mixing graphic elements and RGB/CMYK images of various origins, and to print it identically across different presses, as long as we had an ICC profile for each of them. Unfortunately, a press is not a color printer, and there are technical constraints such as registration, rosette, etc...*

*Today, after 10 years of research and development, we created the missing link, and the dream comes true.*

*Jean-Marie Binucci  
member of the  
International Color Consortium*