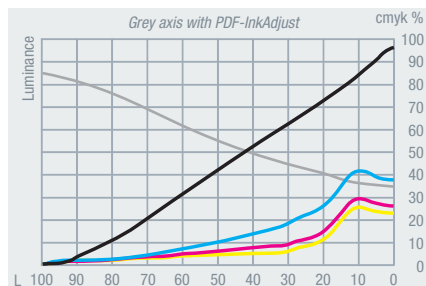
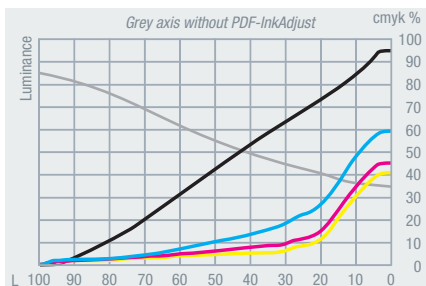


## PDF-InkAdjust

### Colour optimisation in PDF files

Saves colour due to reduction of colour ink, limitation of total ink coverage to values specific to the printing process. Print optimisation conforms to ISO requirements without affecting the appearance of the print.



Without PDF-InkAdjust (total ink coverage too high)

PDF-InkAdjust (total ink reduced and CMY replaced)

#### Ink Savings:

Cyan	-4 %
Magenta	-3 %
Yellow	-4 %
Black	+2,5 %
Sum	-8,5 %

#### Advantages:

- Reduction of colour costs of up to 25% thanks to the replacement of colour ink and the reduction of total ink
- Reduction of waste
- Increase in productivity due to shorter drying times and less "smearing"
- Shorter adjustment- and set-up periods
- No adjustment of the colour management necessary
- Stabilisation of the grey axis
- Complies with ISO standards

### Customer example

	Quarter 4/07	Quarter 4/08	Difference	Percentage
No. of copies	54,5 Mio.	55,8 Mio.	+1,3 Mio.	+2,38 %
Cyan	14,30 kg	9,93 kg	-4,37 kg	-30,35 %
Magenta	13,87 kg	9,36 kg	-4,51 kg	-32,51 %
Yellow	17,90 kg	11,77 kg	-6,13 kg	-34,24 %
Black	28,07 kg	33,40 kg	+5,33 kg	+18,79 %

#### Result achieved by:

- Colour replacement
- Reduction of total ink coverage
- Optimisation of platesetter- and RIP calibration

#### Customer quote:

„In a nutshell, we no longer want to do without PDF-InkAdjust“

## PDF-InkAdjust

### our services:

- Preparation of individually optimised DeviceLink profiles for your production environment
- Monitoring of sample prints
- Analysis of test data to determine the colour savings that can be expected
- Analysis and optimisation of RIP calibration
- Quality consulting

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### Replacing colour with black

PDF-InkAdjust uses GCR/UCR to adjust the colour composition to achieve an ideal replacement of CMY with black. DeviceLink profiles are used for this purpose. The replacement of colour with black stabilises the grey axis, shortens the adjustment period and reduces waste. The appearance of the colours remains the same.

### Excessive colouring is avoided/limited

PDF files often exceed the total ink coverage needed for the printing process. PDF-InkAdjust limits the ink coverage to the desired value (e.g. 240% for newspaper offset). There is less colour penetration and smearing, and the print dries quicker. Adjustment and set-up times are shorter and there is less waste. The waterless offset process can also require a limitation of ink coverage. With PDF-InkAdjust, the necessary ink coverage values are reached without changing the appearance of the image.

### Colour space conversion from heatset to coldset

PDF-InkAdjust recalculates production data that was edited for heatset printing for production on a coldset machine. The appearance of the colours of the vector and bitmap data remains the same.

### Integration

PDF-InkAdjust can be integrated into existing workflows. It accepts the PDF files from hotfolders and distributes them to hotfolders as well.

Features
Colour saving thanks to DeviceLink profiles
Limitation of excessive colouring
Colour space conversion
For images and / or vector objects
Conversion from RGB to CMYK via profile colour space conversion
Control via hotfolder or rule-based control
Operation and administration can be network-controlled
For Windows (XP, Vista, Server 2003, Server 2008)
Supports VMware