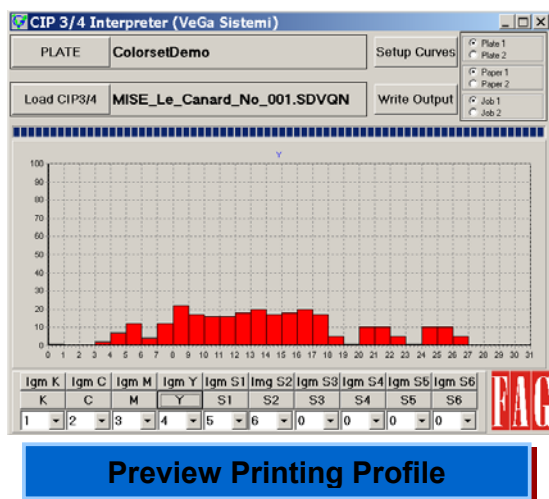


FAG CIP-3/4 READER

Why invest in the FAG CIP-3/4 Reader?

To reduce production costs by saving set-up time on your offset machine.



Following the trend of digitalisation in prepress, meaning digital assembly of entire sheets using Computer-to-Film or Computer-to-Plate technology, the FAG CIP-3/4 reader allows you to convert all CIP-3/4 files containing the complete data from prepress operations. As a matter of fact CIP-3/4 data is used in PPF format to calculate area coverage values for each ink zone. The resulting profiles per ink zone are then sent automatically to the ink fountain, for precise adjustment of the ink metering cylinders. PPF (print production format) is a universal, non-proprietary standard for print jobs that transfer administrative data, low-resolution halftone images, etc. for each project.

This technique guarantees complete agreement between the initial proof and the final print. Furthermore, time-consuming repeat ordering and ripping of the same file becomes also a thing of the past! Compliance with international quality standards makes this essential.

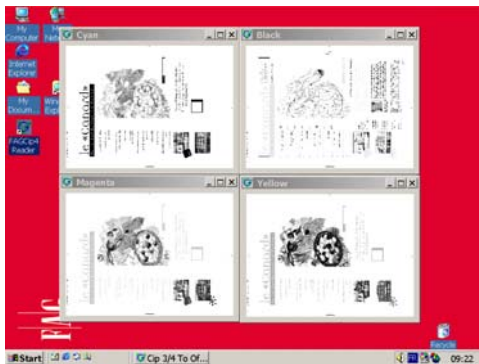
The Basic Idea

Computer to Plate (CPT) describes the procedure that makes traditional exposure of films and resulting from this further steps unnecessary. Digital data is hence sent from the preparatory stage directly to the plate exposure. This data transfer results in a by-program that, if used wisely, can save other tasks and at the same time increases the quality:
IT IS THE BASE OF THE CIP-3/4 TECHNOLOGY.

The printing machine receives additional information on fittings, colour settings, paper formats, folding,..... Transfer of information is either done direct or through a data carrier. This data builds the base of the CIP-3/4 technology. Manual input of values is no longer necessary, as CIP-3/4 is used for presetting the ink keys of the offset press. At the same time print out quality is assured. In 95 % of all cases colours are reproduced in such a precise way, that corrections become redundant.

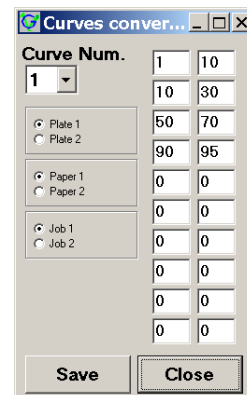
The end result is a trade off of lower cost and time consumption for much higher quality.

The Advantages are Clear



Preview of Plate Layout

The advantage of the FAG CIP-3/4 reader is its flexibility, as it works with different brands of web and sheet fed offset printing presses. The corresponding machine can be selected at the output device, where the file is written. The program is designed to configure up to 10 different types of machines. With the aid of a special function the operator can insert the required parameters. In order to obtain operational results, the profiles can be personalised with the help of transformation functions, the so called "conversion curves".



Curve

FAG CIP-3/4 is extremely easy to use and enables the user to write up to 10 printing groups. Data communication is possible with nearly all ink fountain and machine control systems. Different papers, inks and printing plate types are compensated automatically to calculate pre-setting values.

On demand, the determined data may be either transferred directly to the machine or will be converted into pre-setting values of the ink key and ductor positions. Ink key profile calculations take into consideration paper quality, ink type, and individual print tower conversion curves.

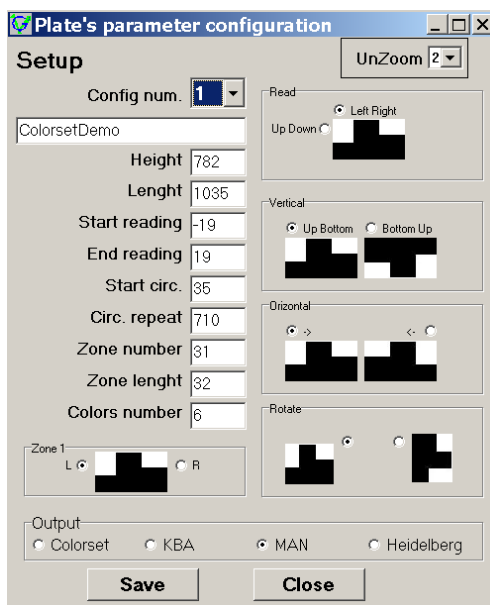


Plate setup and output device

System information

FAG'S CIP-3/4 reader is a software product that runs either under the PC WIN 2000 Workstation or the XP operating system. It works by linking up to digital prepress using an Ethernet network.

FAG CIP-3/4 reader is composed of a software with protection and of an output device that will depend on the transfer and machine brand being used.

To run FAG CIP3/4 your prepress system must be capable of generating CIP3 data in standard PPF format, to be sent online to the FAG CIP3/4 reader. Whether you can do this depends on the prepress product you are using.

TECHNICAL FEATURES

Operating system: Windows 2000 or XP

Hardware requirements: PC Pentium IV 2 Ghz or more

2 Serial Ports & 1 Parallel Port

40 GB Hard Disk

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