KIM 7.1 – Program Versions and Modules

- **KIM | Standard**
- **KIM | Small Format**
- **KIM | Digital**
- **KIM | Auto**
- **KIM | Auto Small Format**
- **KIM | News**

Optional add-on modules for the individual versions:

- **JDF - MIS Input / Output (Interface)**
- **JDF - Workflow Output (Interface)**
- **JDF - Cutting Output (Interface)**

- **Barcode Output**
- **Perfect Plan**
  Automated sheet optimization for more than 4 products per sheet
  for label printing and web-shop application

Background

Essentially, today, two different ways of working in the field of the digital pre-press operation can be considered. On the one hand, it is the processing of PDF data as a de facto standard, on the other hand, it is the processing of information using standardized job tickets. Here, the JDF (Job Definiton Format), which was first introduced at the DRUPA 2000, has established itself as the standard. These processing capabilities are reflected in the product differentiation of KIM 7. The different KIM versions, designed for different application areas, can be seen as a basis. In a JDF compatible environment the optional add on modules can be added and enhance your production by using the JDF format. This means investment security, even, if you are not planning to use the JDF format right away.

Function overview

KIM is a professional imposition program for efficient and rapid processing of "native" PDF files without conversion or format changes. KIM has a vast range of functions and meets all needs of sheet assembly or digital imposition. Krause's long term experience in the area of imposition is clearly reflected in KIM with its large libraries of fold sheets, print sheets, print marks and machine parameters, etc. The program sequence in KIM corresponds to the process of sheet assembling. Like no other imposition solution, KIM has established itself as an excellent tool for digital imposition through a sophisticated user interface. The error rate in the sheet assembly is reduced by KIM and the efficiency per workplace is increased by approx. 40% compared to competitors' programs. Imposition sheets, including all relevant data (trims, print marks, etc.) can be saved in libraries and combined again to create new jobs. KIM also supports the generation of partial sheets or the arrangement of multiple fold sheets on a print sheet or the replacement of pages in the final print sheet and even the combination of folded and unfolded products. Page content, page position or colours can be monitored visually at all times. Equally applicable the entire structure of a print job can be visually followed and modified by using Drag-and-Drop. The job output can take place by subdivision (stripes or block) on output devices, which have an exposure area smaller than the print sheet size (so-called tiling). And KIM allows to output the print sheet as a single page booklet or as double pages for a folded version.

KIM – Versions

KIM is available in different versions and therefore accommodates any requirements for digital sheet imposition regarding format size, application or degree of automation.

KIM | Standard

The standard version offers all basic functions for digital imposition and processes all sheet formats without imitations for sheet-fed printing and offers dedicated and unique functions for today's complex web-offset printing.

KIM | Small Format

Identical functionality as the "big brother", but KIM SF has limitation to a maximum output format of 760 x 630 mm. Hence, this version is suitable for digital printing and the 4-up range at printing presses such as the Heidelberg Speedmaster 74, manroland 500 or any other press of this format class.

KIM | Digital

Identical functional range as the "big brother", but KIM Digital is limited to a maximum format of 560 x 480 mm on the output side. Hence, this version is suitable for the 2-up range und digital printing in the A3+ format range at a truly affordable price.

KIM | Auto

KIM Auto offers the same functional range as the standard version, however, it operates as a Client-Server System and, in addition, monitors input folders on the server. By means of CSV- or XML-files and in "production profiles" predetermined parameter impositon will be executed automatically. This results in a completely imposed sheet with print marks in form of a PDF file, which can be checked and released by the operator or it can subsequently be outputted directly to a RIP or Workflow System. KIM AUTO can be set up with master imposition layouts and automatically verify if all pages required for a complete print sheet are available. In this manner a very high degree of automation in the imposition process can be achieved and the Client-Server configuration allows for the realisation of very large throughputs or the separation of imposition and data handling competence.

KIM | Auto Small Format

Identical functionality as KIM Auto, but again KIM SF Auto has limitation to a maximum output format of 760 x 630 mm.

KIM | News

KIM News is the KIM solution for the newspaper application. On the output side, KIM News is limited to the formats prevalent in the newspaper sector up to 940 x 640 mm and 4 pages per printing sheet. This solution is perfectly suited for specific functions in the newspaper printing, such as page pairing.

Optional add-on modules

In addition to the content-based operating method with PDF documents, optionally available add-on modules enable the complete integration of JDF functions (Job Definition Format). This makes KIM ideal and it can be easily integrated into existing MIS systems or workflow environments (e.g. Prinergy, Apogee or PuzzleFlow). In addition, JDF presetting data can be created for cutting and folding machines when the appropriate module has been activated. The use of the JDF functions provides your company with completely new possibilities in multiple data usage or the automation of production processes. An additional module allows barcode marks to be generated for the plate output, sheet identification or further product processing on binders. Different modules are available depending on the intended use.

JDF - MIS Input / Output (Interface)

The import of job data from management information systems (MIS) for the use in KIM for automatic digital imposition (sheet assembly) and to avoid the multiple job data input.

JDF - Workflow Output (Interface)

Connection of KIM to JDF compatible workflow systems such as Kodak Prinergy, Agfa Apogee, PuzzeFlow or Fujifilm XMF.

JDF - Cutting Output (Interface)

Generation of JDF data by KIM, which can be used to preset a cutting machine.

Barcode Output

Generation of barcode marks by KIM, which can be used for the plate output or processing on binders.

Perfect Plan (automatic sheet optimization)

With KIM 7, a parallel development of the well known and sometimes still in use Krause „KIM ETI" software has taken place. It represents the completely automated and optimized creation of print sheets. On the basis of the relevant job data, KIM Perfect Plan calculates the maximized utilization of the print sheet area. This is a highly interesting aspect for e.g. label printers as well as for web shop functionalities integrated in a printers production workflow, as it offers a further way of process automation. Perfect Plan also accepts CSV file as well as XML file import. Already the basic versions of KIM 7 come with this absolutely helpful function to calculate up to 4 products. If more products within a job shall be calculated, it is simply a matter of unlocking the dongle restrictions. Also with Perfect Plan Krause follows the consequent modular software concept within KIM.