

WHITEPAPER

LAGO PRINT OPTIMIZER

Automatic print order planning and optimization

Automatic print sequence planning and optimization

The Print Optimizer module is the ideal solution for the „last mile“ from your production to the printer. It makes the transfer of your print data to your printer virtually fully automatic and also provides a calculation of the ideal print sequence for exchanging color and black plates. This is a considerable cost advantage for the printing of numerous regional and/or market-specific versions.

Manage printers and print schema

The use of LAGO Print Optimizer is based on a basic configuration of master data information. This includes first and foremost the printers and paper formats you use. Paper formats can then be assigned to a printer. Print Optimizer also manages print schema. This includes the allocation of regional and/or market-specific versions to printers. Any number of these schemas can be created. Using schemas makes it possible to press a button to use the right schema for a number of publications which need to be printed by different printers because of the different paper formats. For example, it is possible to print a regional and/or market-specific variant to print shop A or print shop B, depending on the schema selected.

Automatic print sequence optimization

At the heart of the Print Optimizer, is the automatic print sequence planning optimization. This function determines the plate changes necessary per printer based on the version to be printed (see LAGO Automatic Versioning) and sets the corresponding optimum print sequence. In the process, regional and/or market-specific product swaps, as well as, different product information such as prices are evaluated. A separate check is also run for all production information displayed on a page which vary in regional and/or market versions and are not printed in black since this would mean a four-color change during printing.

Manual definition of rules for the print sequence

In automatic print sequence planning, all regional and/or market-specific versions are analyzed in the same way to determine the optimum sequence. Certain versions may need to be printed first even if that isn't the ideal print sequence. The reason is that certain versions often have to be printed first due to logistics since the **distribution** area for these versions is furthest from the printer.

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Automatic production of output files

The Print Optimizer module automatically generates the necessary orders based on the use of a print schema for a print publication and the corresponding allocation of regional and/or market-specific versions to printers. PDFs or PostScript documents can also be generated via an Adobe InDesign server.

Processing on the InDesign server is also fully automatic and can be scaled linearly by using several InDesign servers, thereby greatly reducing the amount of time required.

Direct transfer of information to the printers

Once the optimum print sequence has been determined and the print data has been generated on the InDesign server, the print data is distributed directly to the target directories of each of the printers.

Every printer is also provided with a print sequence plan, which states the optimum order including the print files required for the actual print process. Printers can thus import the print sequence plan directly into their systems to fully automate even the last section to the printing press.

List of Features

- Manage printers in LAGO
- Manage paper formats in LAGO
- Manage print schema in LAGO
- Flexible allocation of regional/market versions to printers
- Flexible management of different page counts per regional/market variant
- Automatic generation of required PDF or PostScript documents using an InDesign® server
- Automatic determination of the appropriate PDF or PostScript Presets per printer
- Automatic determination of necessary black and color changes per printer
- Automatic determination of the optimum print sequence per printer
- Definition of rules for the print sequence to account for logistical aspects
- Automatic distribution of generated PDF or PostScript documents to the target directories of each printer
- Output of a print sequence plan for a printer