



OM

Flexible Output Management System



Competition forces publishers and printers to use increasingly efficient methods. If you want to succeed in today's market, you need professional tools for integrating cross-site business processes that will enable you to achieve considerable cost savings through automation. This target is easy to achieve by using OM, ppi's cost-effective output management system, for the production of printing forms. Its innovative concept guarantees the production of printing forms in a highly automated workflow coupled with maximum flexibility and optimum utilization of resources, distributed across multiple production sites if necessary.





New benchmarks in output management

OM is an open output management system that can integrate all standard prepress systems via XML or other standard formats. On the basis of automatically generated workflow descriptions, OM triggers all prepress systems accurately, generating a highly automated prepress workflow that does not require any manual intervention whatsoever. The following production processes are taken into account:

- Product/production planning is imported from different sources
- Delivery of digital data/pages
- Preflight checks
- PPI, RIP and merge
- Proofing
- Imposition
- Imaging
- Calculation and transfer of ink presets
- Plate-bending
- Transportation of the finished plates
- Distribution of pages to multiple sites

Newspaper and commercial production

Due to its open interfaces, OM is not only able to accept print jobs from all standard press control systems, but also from the ppi modules JobEntry and PlanPag. OM calculates the most economical production of printing forms from this information. Printing times and press occupancy are of course taken into account and the entire plate production process is continuously monitored. Status and error information on individual processes is evaluated by OM and any planning transgressions are graphically displayed in a dummy. In addition, printing forms can be produced simultaneously at multiple sites.

Wide range of functions

OM offers a wide range of functions, in particular for newspaper production. These include:

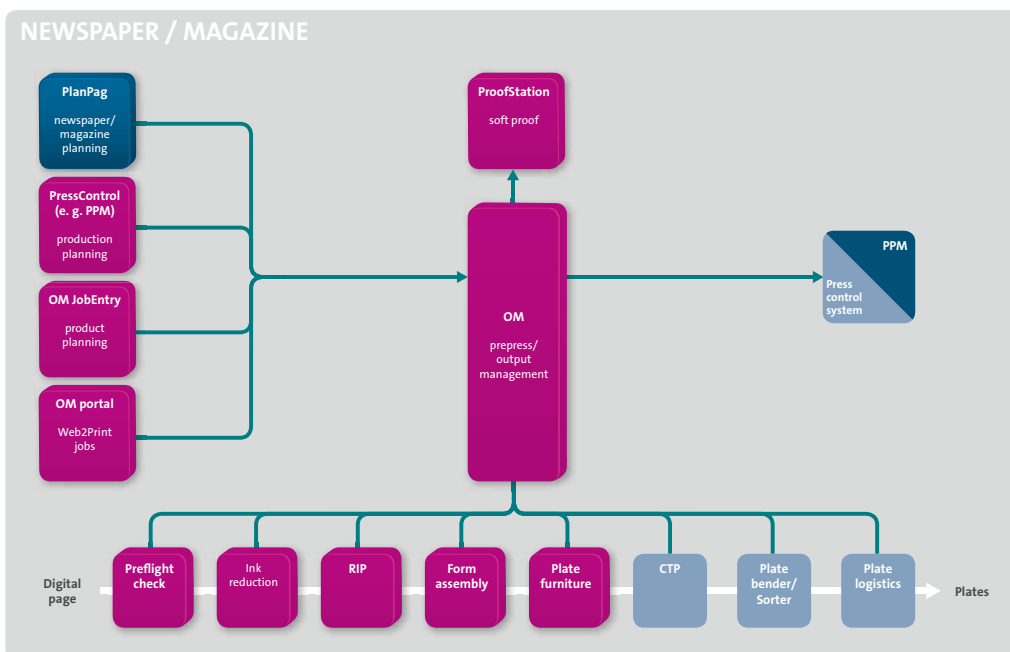
- Automated proofing of full-page bitmaps
- Function for comparing bitmaps
- Early Color – Late Black

- Imaging of individual colour separations
- Management of chasers
- Monitoring and production of different versions

First needed – first out

OM controls the sequence of imaging according to the printing plan for the press (first needed – first out). Planning changes are continuously updated online. Different strategies can be selected for the most economical production, such as:

- High register precision: all the printing forms for a page (e.g. 4c or chasers) are run through the same platesetter.
- Maximum throughput: free platesetter capacities are used immediately,
- Optimum transport routes: printing forms are output on the platesetter that is assigned to the tower.
- Via an interface to fully automated plate loading systems (such as APL / APL Logistics by manroland), OM controls the output sequence in such a way that maximum automation is achieved.



Output management with OM: data flows and workflow processes.



OM – a scalable system

As a modular system, OM offers various stages of expansion and can be upgraded at any time. This allows you to combine actual investment possibilities and customized output solutions in an ideal manner. Options range from basic platesetter control (without an interface to the publishing system) and automatic output management for newspaper or commercial productions to highly integrated output management systems that control distributed production across multiple sites.

Optimal use of resources

In contrast to the rigid allocation of specific devices to specific processes used so far, OM uses and controls all the resources for each production run according to their current capacity. This creates a new quality in load balancing and, as a result, a noticeable increase in productivity.

Automated CIM production

OM does away with the manual planning of cylinder sectors. Synergy potentials are utilized to the full by networking island solutions. All production plans are calculated and processed in a fully automatic workflow. An integrated reporting system shows the actual production times. All the production lines can be dynamically adjusted to the current situation, for example if a device should break down.

Proofing in the workflow

The necessary data (bitmaps) and administrative information are sent to the proof systems (Display Proof and True Proof). ppi's ProofStation is an enhanced proof system. Proofing is possible at any stage of the ppi workflow. ProofStation is a soft proof system that enables enhanced

visual evaluation of all pages and page content in the prepress workflow. A bitmap version check saves superfluous imaging, so that only plates that are actually required are produced.

Flexible GUI

OM runs in a central framework application that allows a single login and detailed assignment of user rights. In addition, with its ergonomic design, the GUI can be customized to meet the user's individual requirements.

Maximum availability

OM is database-driven, uses transaction mechanisms and runs on HA hardware. It can be operated on different platforms, making it easy to integrate in existing system environments.

Optional features: tracking, statistics, portal

■ Tracking

The web-based module ppiTrack monitors the production of printing

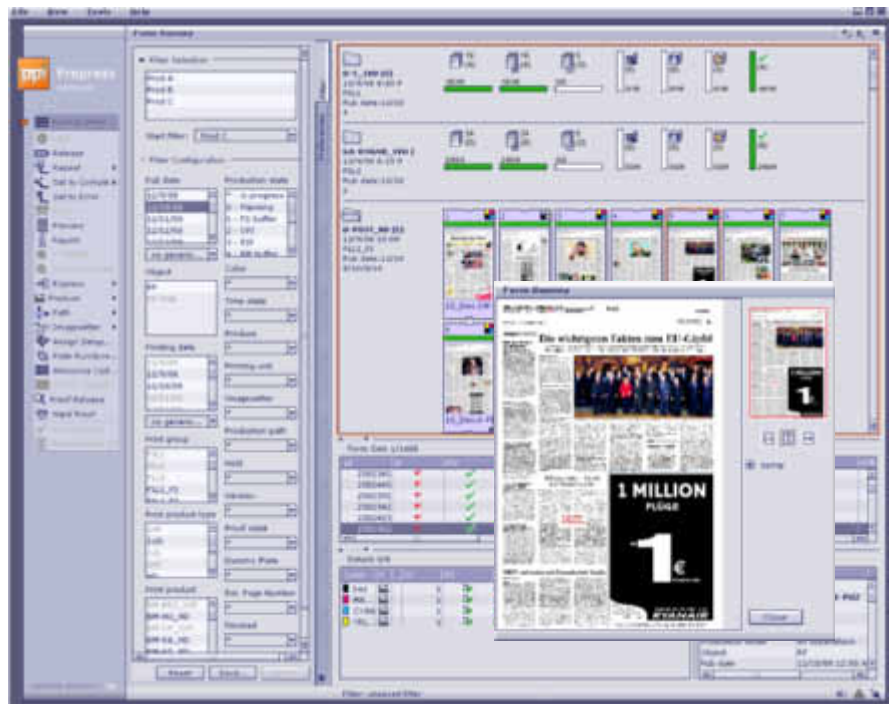
forms within the overall production workflow. ppiTrack visualizes all of the relevant states so that you are informed of the current time and process status anywhere and any time. Among other things, system messages, status icons and proofs of the forms are displayed.

■ Statistics

With jobreport you can collect and evaluate operative data from your production processes and use it as an information pool for successful benchmarking. jobreport analyzes the data of previous newspaper productions, providing sound statistics based on standard reports.

■ Web portal

OM portal organizes and simplifies the planning and production of jobs for print customers in a web application. The customer is integrated in all of the processes and can check their order, its planning and status at any time.



OM dummy and preview: two of the many different options for visualizing data.

How you benefit



- Cross-site and cross-departmental networking of production processes.
- Optimized, flexible production workflows.
- Optimum utilization of capacities.
- Reduced production and personnel costs.
- Maximum production transparency.
- Enhanced, user-friendly GUI design.
- High security of investment through subsequent integration of new prepress devices or other ppi products.

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