Prinect Pressroom Manager

Prinect Pressroom Manager centrally controls all communications in the pressroom.

From Prinect Pressroom Manager to the complete Prinect Workflow

Prinect is the modular and scalable print shop workflow from Heidelberg. It can be flexibly adapted to the individual requirements of every company. A prerequisite for the use of Prinect Pressroom Manager is PPF data from a prepress workflow in its lowest configuration.

The complete scope of functions is available only when there is an additional JDF connection to an MIS (Management Information System). Prinect Pressroom Manager combines the JDF job tickets generated by an MIS with the PPF data from prepress. In the next stages of this workflow, it controls the automated data flow, so the operators involved in a job, including all the relevant information, are available at the assigned press in their precise sequence in good time ready for processing.

The completely JDF-based pressroom workflow facilitates the exchange of data and information between administration and production. All job data collected by the MIS are transferred online via Prinect Integration Manager and no longer need to be entered again in the production department. This makes job preparation faster and more reliable.

With Prinect Integration Manager, Prinect Pressroom Manager can be extended to a complete Prinect workflow. Modules as Prinect Prepress Manager or Prinect Postpress Manager, as well as Prinect Scheduler expand the possibilities to plan deadlines and to track a job across all departments. Using this digital planning board, sudden changes can be carried out immediately and made visible to everyone involved.

Prinect optimizes and automates workflows, making them straightforward and transparent, based on an open data standard – the central JDF document – that stores all the information about a particular job. Prinect therefore plays a key role in optimizing coordination processes and increasing throughput while maintaining consistently high quality.

Prinect Pressroom Manager makes it possible to react rapidly, directly and flexibly to changing requirements.

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Perfect flow of information and data - Prinect Pressroom Manager controls every production step centrally and manages the production data required. This means that ink presetting data can be generated for all Heidelberg presses with remote inking. Additionally, Prinect Pressroom Manager is able to write to the Job Memory Card and USB stick storage media. This means that ink presetting data can be generated for all Heidelberg presses with remote inking.

Connecting non-automated printing presses

Non-automated presses can be incorporated into an efficient pressroom management system via a Data Terminal, as can also machines from other manufacturers. Prinect Pressroom Manager reads all the job data to the relevant Data Terminal in the form of PDF data. Up-to-date machine data are entered manually and forwarded by Data Terminal directly to Prinect Pressroom Manager – time-saving data collection in just a few steps.

Making work easier for the printer

Prinect Pressroom Manager makes manual tasks, such as setting daily sheet counts or pallets entries, a thing of the past. The palette note printout containing the essential information on the job and production can now be started directly at the printing press control console. This not only makes the printer’s work easier, but also for downstream production processes, as each step can be more reliably identified, eliminating any unnecessary checking or searching.

Central master data administration - Master job data on the customer, types of paper, inks and press parameters are collected once and saved centrally in Prinect Pressroom Manager. This avoids multiple data entry, saving time and minimizing errors.

Connecting printing presses - The printer receives a list containing the work processes and production data it needs directly at the control panel of the press. Prinect Pressroom Manager supplies all required PDF images and data for paper, format and ink. This not only saves considerable time, but also significantly reduces the risk of errors.

The following machine can be integrated into the workflow:

- Speedmaster models with Prinect Pressroom Manager
- Digital presses
- Pressroom data
- Prinect Pressroom Manager
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Reducing make-ready times

Initial setup presenting - Prinect Pressroom Manager uses PDF data from the digital prepress department to automatically preset printing presses. These PDF data are converted into area coverage values for each ink zone and the default settings are transferred to the press control console for calculation of the ink zone openings. Further parameters, such as paper and ink data for automatic selection of the characteristic curves are also forwarded to the control console. Make-ready times and waste are reduced substantially and ink-up of the press is much faster. If it is usually possible to save at least one full ink-up. The final and proven Prinect Pressroom Interface presenting functions have been systematically integrated into Prinect Pressroom Manager.

Automatic setup of Prinect Image Control

Prinect Pressroom Manager communicates directly with Prinect Image Control. According to the prepress data, print control strips, Min Spots and controllable solids are printed to the Ink Memory Card and USB stick storage media. Additionally, Prinect Pressroom Manager can write all the important setup data for the press. This ensures highly efficient and error-free setup of the printing press, because production can be carried out using exactly the same presetting data. This saves an average eight to ten minutes per repeat job.

Precise job evaluation with Prinect Analyze Point

Current and historic job and status data display

Prinect Analyze Point continuously displays the current status of all on-going print jobs. Data such as printing speed, job information and sheet counter numbers on waste sheets, good sheets and the remaining print run can be called up. This makes for leaner operation processes with little organizational effort.

Comprehensive job evaluations - To speed up fast and frequently changes, the whole production workflow needs to be analyzed regularly. Prinect Analyze Point quickly provides a user-friendly overview of the work performed during individual shifts and shows how many are necessary for particular jobs. From the individual machine evaluations to an analysis of the previous 10,000 jobs, all results are displayed in clear graphics and tables. Deviations, delays or increases in waste can be precisely localized. Potential for optimization or savings can be identiﬁed and utilized more efﬁciently. Additionally, Prinect Analyze Point evaluates the job’s color quality data, so that the course of the printing quality can be shown accurately and clearly. These quality reports are available from Prinect Image Control, Prinect Express Control and Prinect Pressroom Manager, as well as the MIS. The switching of production data can be shown accurately and clearly. These quality reports are available from Prinect Image Control, Prinect Express Control and Prinect Pressroom Manager, as well as the MIS.

Productivity evaluations and performance comparison - With the help of the OEE typologies describing the efﬁciency of the overall system according to indicators of time, speed and quality, the changing productivity of the printing press can be monitored over longer periods of time. The productivity evaluations are handed off in a performance comparison. They enable an in-depth insight into make-ready times or production speeds over a speciﬁc period of time or an individual selected group of printing presses. Prinect Analyze Point guarantees a protocol of the results that makes production transparent. This enables the effects of any implemented changes to be monitored and evaluated over a long period of time.

With the Prinect Performance Benchmarking option for the press control consoles, the comparison of your own print shop productivity can be further enhanced by anonymous comparison with machines in other companies.

Status information on the job - The application for smartphones and tablet PCs - Prinect Mobile – provides valuable information for print shop and departmental managers as well as the sales forces. Depending on the configuration of the Prinect workflow system, the scheduling of pending jobs can be viewed in addition to the current status of machines, shifts and jobs.

Analyze Point provides a rapid and easily understandable overview of how the individual workstations performed. The productivity evaluations are handed off in a performance comparison. They enable an in-depth insight into make-ready times or production speeds over a specific period of time or an individually selected group of printing presses. Prinect Analyze Point guarantees a protocol of the results that makes production transparent. This enables the effects of any implemented changes to be monitored and evaluated over a long period of time.
Non-automated presses and presses from other manufacturers can be integrated into the workflow:

- The following machines can be integrated into the workflow:
  - Speedmaster models
  - Prinect Pressroom Manager
  - Prinect Prepress Interface

Additionally, Prinect Pressroom Manager is able to write to the Job Memory Card and USB stick storage media. This means that ink-printing data can be generated for all Heidelberg presses with remote inking.

Connecting non-automated printing presses

- Non-automated presses can be incorporated into an efficient pressroom management system via Data Terminals, as can also machines from other manufacturers. Prinect Pressroom Manager then sends all its job data to the relevant Data Terminal in the form of a job list. Up-to-date machine data are entered manually and forwarded by Data Terminal directly to Prinect Pressroom Manager – time-saving data collection in just a few steps.

Making work easier for the printer

- Prinect Pressroom Manager makes manual tasks, such as writing daily sheet counts or pallet notes, a thing of the past. The pallet note printout containing the essential information on the job and production can be started directly at the printing press control console.

- This not only makes the printer’s work easier, pallets for downstream production stages can also be much more reliably identified, eliminating any unnecessary checking or searching.

Reducing makeready times

- Initial color presenting – Prinect Pressroom Manager saves PPF data from the digital prepress department to automatically present printing processes. These PPF data are converted into area coverage values for each ink zone and the default settings are forwarded to the press control console for calculation of the ink zone openings. Further parameters, such as paper and ink data for automatic selection of the characteristic curves are also forwarded to the control console. Makeready times and waste are reduced substantially and ink-up of the press is much faster. It is usually possible to save at least one full set per job. The tried and proven Prinect Forgsee Interface presenting functions have been systematically integrated into Prinect Pressroom Manager.

Precise job evaluation with Prinect Analyze Point

- Exact job size and job status display
- Prinect Analyze Point continuously displays the current status of all ongoing print jobs. Data such as printing speed, job information and sheet counter numbers on waste sheets, good sheets and the remaining print run can be called up. This makes for leaner coordination processes with little organizational effort.

- Comprehensive job evaluations
- To speeds task and finally changes, the entire production workflow needs to be analyzed regularly. Prinect Analyze Point provides a view friendly overview of the work performed during individual shifts and shows how every job was finished for particular jobs. From this the individual machine evaluations to an analysis of the previous 15,000 jobs, all results are displayed in clear graphics and tables. Deviations, delays or increases in waste can be precisely localized. Potential for optimization or savings can be identified and utilized more efficiently. Additionally, Prinect Analyze Point evaluates the job’s color quality data, so that the course of the printing quality can be shown accurately and clearly. These quality reports are generated and published by Prinect Pressroom Manager and Prinect Control and Prinect Pressroom Manager.

Productivity evaluations and performance comparisons

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- The productivity evaluations are handed off a performance comparison. They enable an in-depth insight into productivity or production speeds over a specific period of time or an individually selected group of printing presses. Prinect Analyze Point generates a protocol of the results that makes production transparent. This allows the effects of any implemented changes to be monitored and evaluated over a long period of time.

With the Prinect Performance Benchmarking option for the press control consoles, the comparison of your own print shop productivity can be further enhanced by anonymous comparison with machines in other companies.

Status information even on the go – The applications for smartphones and tablet PCs – Prinect Mobile – provides valuable information for print shop and departmental managers as well as the sales force for support decisions and scheduling. Prinect Mobile enables a view of current production processes, even where you are out of the company. Depending on the configuration of the Prinect workflow system, the scheduling of pending jobs can be viewed in addition to the current status of machines, shifts and jobs.

The application

Prinect Pressroom Manager provides a complete overview of the printing status of all outstanding print jobs.

Prinect Scheduler provides a complete overview of the printing status of all outstanding print jobs.
Perfect flow of information and data - Prinect Pressroom Manager controls every production step centrally and manages the production data required. Job and machine data are systematically integrated into Prinect Pressroom Manager and Prinect Prepress Interface presetting functions have been automatically preset printing presses. These PPF data are converted into area coverage values for each ink zone opening. Further parameters, such as paper and ink data for automatic selection of the characteristic curves in the RIP and the default settings are forwarded to the press control console. This not only makes the printer’s work easier, but also for downstream production stages it can be much more reliably identified, eliminating any unnecessary checking or searching.

Additionally, Prinect Pressroom Manager is able to write to the Job Memory Card and USB stick storage media. This means that ink presetting data can be generated for all Heidelberg presses with remote inking.

Connecting non-automated printing presses Non-automated presses can be incorporated into an efficient pressroom management system via a Data Terminal, as can also machines from other manufacturers. Prinect Pressroom Manager then sends all its job data to the relevant Data Terminal in the form of job lists. Up-to-date machine data are entered manually and forwarded by Data Terminal directly to Prinect Pressroom Manager – time-saving data collection in just a few steps.

Making work easier for the printer Prinect Pressroom Manager makes manual tasks, such as setting daily sheet counts or paper states, a thing of the past. The paper state protocol containing the essential information on the job and production can be started directly at the printing press control console. Not only does this make the printer’s work easier, but also for downstream production stages it can be much more reliably identified, eliminating any unnecessary checking or searching.

Reducing makeready times

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Automatic setup of Prinect Image Control Prinect Pressroom Manager communicates directly with Prinect Image Control. According to the progress data, print control strips, Mini Spots and controllable solid areas in the print image are recognized completely automatically. This facilitates the makeready process decisively and speeds it up significantly.

Efficient working with repeat jobs - Prinect Pressroom Manager stores all the important setup data, print control strips, Mini Spots and controllable solid areas in the print image are recognized completely automatically. This facilitates the makeready process decisively and speeds it up significantly.

Precise job evaluation with Prinect Analyze Point

Easy-to-read and up-to-date status display

Prinect Analyze Point continuously displays the current status of all ongoing print jobs. Data such as printing speed, job information and sheet counter numbers on waste sheets, good sheets and the remaining print run can be called up. This makes for lean combination processes with little organizational effort.

Comprehensive job evaluations - To respond fast and flexibly to changes, the entire production workflow needs to be analyzed regularly. Prinect Analyze Point quickly provides a user-friendly overview of the work performed during individual shifts and shows how many hours were needed for particular jobs. From the individual machine evaluations to an analysis of the previous 15,000 jobs, all results are displayed in clear graphics and tables. Deviations, delays or increases in waste can be precisely localized. Potential for optimization or savings can be identified and utilized more efficiently. Additionally, Prinect Analyze Point evaluates the jobs’ color quality data, so that the course of the printing quality can be shown accurately and clearly. These quality reports are available from both Prinect Image Control and Prinect Express Control and Prinect Relo Control.

Productivity evaluations and performance comparison

With the help of the OEE figures describing the efficiency of the overall system according to indicators of time, speed and quality, the productivity of the printing process can be evaluated over a long period of time.

The productivity evaluations are rounded off in a performance comparison. They enable an in-depth insight into make-ready times or production speed over a specific period of time or an individual selected group of printing processes. Prinect Analyze Point generates a protocol of the results that makes production transparent. This enables the effects of any implemented changes to be monitored and evaluated over a long period of time.

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From Prinect Pressroom Manager to the complete Prinect Workflow

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The completely JDF-based pressroom workflow facilitates the exchange of data and information between administration and production. All job data collected by the MIS are transferred online via Prinect Integration Manager and no longer need to be entered again in the production department. This makes job preparation faster and more reliable.

With Prinect Integration Manager, Prinect Pressroom Manager can be extended to a complete Prinect workflow. Modules as Prinect Prepress Manager or Prinect Postpress Manager, as well as Prinect Scheduler, can be added to the Prinect system.

The complete Prinect workflow combines the JDF job tickets generated by an MIS with the PPF data from prepress. In the next stages of the workflow, it controls the automated data flow, so the operations involved in a job, including all the relevant information, are available at the assigned press in their precise sequence in good time ready for processing.

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Prinect optimizes and automates workflows, making them straightforward and transparent, based on an open standard – the central JDF document. This standardizes the information about a particular job and thereby plays a key role in optimizing the coordination processes and increasing throughput while maintaining consistently high quality.

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The information and control for the pressroom

The information and control for the pressroom is completely JDF-based. The complete Prinect Workflow is supported by Prinect Pressroom Manager. The modules Prinect Prepress Manager, Prinect Postpress Manager, Prinect Scheduler, and Prinect Integration Manager, as well as Prinect Mobile, expand the possibilities to plan deadlines and to track a job across all departments.

This automation ensures substantial increases in productivity and more transparency in the pressroom. Thanks to the efficient use of providing data, there is a considerable reduction in makeready times and waste at the press. The production data of the connected presses and color measurement systems are evaluated in Analyze Point. Informative reports supply values on performance and productivity as well as information about jobs and their quality. With the application Prinect Mobile you can access your print shop on your smartphone. Thus, Prinect Pressroom Manager makes it possible to react rapidly, directly and flexibly to changing requirements.

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