

# Prinect Software Suite 2019

Dear Prinect user,

your company runs Prinect software from Heidelberg and so you might like to hear all about the latest features and new Prinect products. The Heidelberg Prinect Team has written this newsletter to inform you all about the key new features in the 2018 version of Prinect. Alongside the new functions described here, we have also introduced many small and large enhancements and adaptations to make using Prinect even simpler, faster and more intuitive.

But that is not all that Prinect 2018 has to offer. With every new version we ensure that Prinect is there for you in delivering its usual or even enhanced high quality in today's IT and software environments. This includes not only the adaptation to new operating systems and rapidly changing hardware, but also support for new versions of integrated third-party software.

Perhaps all these measures are not immediately apparent, but they are there to ensure a stable and reliable production environment that enables you to concentrate on the basics: producing first-class print products.

The list of contents will help you find all the information you need as quickly as possible. The Heidelberg Service Team would be pleased to help you with any other questions.

Enjoy reading.

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### 1. The latest features in Prinect 2019 in general

We have further enhanced the degree of integration between the various Prinect modules as well as the networking between Prinect Press Center and Prinect Business Manager. Prinect 2019 is the basis for Prinect DFEs for Versafire EV/EP, Labelfire and Primefire 106. We have made improvements in many areas when it comes to functionality, viewing, filtering, searching and selecting information.

- The [Plate Pilot](#), introduced in Prinect 2019, is a solution for providing printing plates on time and according to schedule.

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- The new Signa Station option [Label Pro](#) enables the automatic generation of gang forms from 1-ups with die-cut contours.
- In [Prinect Scheduler](#), the [print scheduling sequence](#) can be optimized and automatically defined via editable rules with the aim of minimizing makeready times.
- [Prinect Portal](#) supersedes the previous Prinect Mobile for accessing Prinect via a smart phone.
- We have enhanced and extended PDF/VT data processing functions.
- [ColorProofPro](#) now supports the new proofers from Epson, HP and Canon.
- The new function [Show Effects](#) in PDF Toolbox enables special effects finishing to be [visualized](#) in the PDF.
- [JDF-Connector](#) can now process XJDF files.
- The configuration and automation for MIS import has been made much easier with [Assistants](#).
- The [Prinect API](#) programming interface for 3rd party integration has been expanded.
- Our [online help](#) is now mostly web-based, which means it can be updated independently from machine installation.

See more detailed [information](#) and [videos](#) on select topics

### 1.1 Plate Pilot

Plate Pilot ensures that offset printing plates are available in the required quantity and sequence according to the planned print due dates. It is available to all customers working with Smart Automation, Scheduler and MIS Import. Plate stacks can be generated either manually or automatically in the correct sequence on the basis of the TIFF-B data calculated and the print due dates specified and then output on one or more than one platesetter. The process is controlled via a browser widget in Prinect Portal. Plate handling equipment from NELA can be integrated. The platesetter and plate handling status can be signaled via network-compatible indicator lamps anywhere in the company.

### 1.2 Cockpit extensions in general

Prinect Cockpit can now be operated with a further choice of two additional lighter-coloured [user interfaces](#), alongside the black interface introduced with P2017. Open jobs are now displayed in [tabs](#), making it easier to process several jobs at once.

- A [due date](#) can now be defined for every job milestone and viewed in the Cockpit. The user can filter and group within a list according to this date. These milestones are synchronized with Business Manager.
- [Filters for job selection](#) can now be linked with OR and the filter settings for times have been enhanced.
- The page number and delivery quantity can now be modified in "[Job from Template](#)".
- The input of a value for paper quality in substrates can now be automated via the "[adaptive quality assignment](#)" function according to common rules. This reduces work and effort and enhances the user's overview in Smart Automation.
- The settings "colors" and "central color database" have been combined in a joint category "[Colors and Coatings](#)" with new additional settings for coatings.
- Colors from the [central color database](#) can be exported as CxF values.

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- [Planning Assistant](#) automatically generates a "pre-cutting" process when a substrate loaded from the MDS is modified in format in Signa Station. Pre-cutting processes for identical substrates (e.g. for several sheets) can be combined into one operation. The folding process for the cover can now be eliminated when processing covers on saddlestitchers with folding sheet feeders.
- Speed and storage management have been further enhanced in the integrated [Archiver](#).
- A job with one article and the appropriate contour can now be generated in packaging mode. The contour can be selected from the ShapePool.

### 1.3 Prinect Portal

[Prinect Portal](#) is the common gateway that unifies browser-based internal and external access to the Prinect System and Prinect Business Manager. Prinect Portal is also the basis for the widgets at the Press Center XL 2 Wallscreen. The Portal functions available depend on the licensed Manager products used.

- It is now possible to customize the Portal's [corporate appearance](#) and email messages for individual customers.
- In the Portal Job List and the digital printing WebUI, the columns displayed and their sequence can be modified although the settings remain unchanged in the browser.
- A read-only status can be set for individual jobs for the Portal.
- The planned capacity utilization of a machine can now be viewed in a pie or bar chart.
- The handling and approval of versioned jobs in the Portal has been enhanced.
- Prinect Portal replaces the previous Prinect Mobile in its entirety. In Prinect 2019, Prinect Mobile is now no longer even available for existing customers. With Prinect 2019, existing Prinect Mobile installations must be switched to Prinect Portal.

## 2. Prepress Manager

We have extended many Prepress Manager functions, especially for processing PDF/VT documents for variable data printing.

### 2.1 Qualify

- A [PDF/VT with dynamic contents](#) can be automatically generated from a placeholder file created with the [PDF Toolbox VDP Editor](#) (iVDP) and the associated .csv data source.
- The "Number of Pages per Dataset" in PDF/VT documents can be changed in Normalizer to enable, for example, imposition in strips.
- Preflighter can automatically set the trim box from the bounding box of all "die-line" type elements, which is particularly useful for die-cut labels and packaging.
- The automatic assignment of correction pages introduced in P2017 and driven by the naming convention <filename>\_p<NumberList>.pdf can be deactivated in the presettings, if necessary.

### 2.2 AssemblePDF

A specific number of records for generating standard PDFs can be selected from PDF/VT files.

### 2.3 Prepare

[PDF Optimizer](#) now makes the functions downsampling from static images, deletion of meta data and comments available for PDF/VT. Other functions for editing individual page content (e.g. transparency reduction) cannot be meaningfully used for PDF/VT since the contents can no longer be re-used.

### 2.4 Versioning

There is a new function [Simulate Re-use](#) for ImpositionProof and BookletProof with versioned products. This new function enables the individual color separations on the pages to be rendered and then overlaid on each other. This ensures a more comprehensive check before imaging the plates.

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In PDF Compare and the function "Define Plate Re-use..." the user can check to what extent the selected plates differ from each other and why they possibly cannot be re-used.

## 2.5 Colors

When the color type is changed to "transparent", the setting now also changes automatically to "Overprint". If a color is included in several color charts, the source from which it should be taken can also be specified. Colors used with the "Coating Unit" function can be assigned a coating from the color chart.

## 2.6 Conditional Processing

The "[Conditional Processing](#)" function operated with Smart Automation can now identify the conditions "Partial Product Name" and "Intended for Ganging" so that cover pages are automatically available for ganging. Conditional processing is also possible with AutoPage.

## 2.7 Renderer

[ColorProofPro 6.2](#) in 64 bit in Renderer supports the new printer models:

- Canon iPF Pro560 (CT+RGB driver)
- Canon iPF Pro6000 (CT + RGB driver)
- HP Designjet 500 (24"), 500 (40"), T-3500 (RGB)
- Epson SC-T32x0, SC-T52x0, SC-T72x0

A new Fogra52 profile is installed for the Epson series 4900 / 7900. The inline certification in accordance with ISO 12647-7:2016 with measurement of spot color solids is now also possible for printers equipped accordingly.

Renderer now also enables TIFF-Bs for [flexo printing](#) to be created for imaging on a suitable imagesetter. The required scaling can be set by entering the flexo cylinder diameter and the screen angle can also be set in 0.5 degree steps.

The high-performance Renderer with device-specific functions is now available for LabelFire and Primefire.

## 2.8 Prinect Prepress Portal

Prinect Prepress Portal incorporates all functions from the previous Remote Access and makes them available in Prinect Portal.

- The new viewing tool "Spine Simulation" shows an animated 3D view of the cover of a brochure / book with its spine.
- In [folding sheet simulation](#) (e.g. 6-page letterfold), the product is first shown in its folded state and then automatically opened.
- The "Double Page View" is now available in the Web Approval tool. This enables pages that overrun to be shown without any intermediate trim.
- Comments / markers can now also be made in circles, ellipses and freely defined shapes.
- It is now also possible to download a local printout including comments using the Web Approval tool.
- HTML-5 flipbook and Web Approval now use the same color management functions, which especially improves the view of spot color overprinting.
- Now newly added substitute pages can be compared with the previous pages in Prinect Portal. In the process, the differences between the two versions are highlighted (PDF Compare).
- A single-layer PDF (e.g. text DE) can now also be replaced in the combined view (basis + text layer) in versioned pages.

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- Email messages are now, if possible, consolidated to make up one message.

For more details on Prinect Portal, see [here](#)

### 3. Prinect Signa Station

Prinect 2019 sees the introduction of the new function "Label Pro" in Signa Station. [Label Pro](#) enables a [nested gang form](#) to be generated from the individual die-cut labels (with contour) in the ganging pool. This gang form can then be separated by a cutting plotter. LabelPro is a new license option for Signa Station, which can be purchased separately.

#### 3.1 Imposition and assembly

Modifications to a duplicated assembly block are now transferred to all the source assembly blocks for this duplicate. It is now easier to position motifs centered horizontally to the paper. New standard folding types can be selected for the folding types "shingled folding and "infeed in Landscape format" in Tx and Kx folders. Editing of JDFs for a "Version Group" has been improved.

#### 3.2 Marks, resources, variables and reports

- Now with the new automatic mark "die-cut register mark", register marks that can be used, for example, by cutting plotters can be automatically set in the four corners of the press sheet.
- Bar codes can now also be set up in user-specific sizes as well as the fixed module values SC0-SC9. Using the tool "Barcode Drawing Object" bar codes can be repeatedly positioned and combined with other drawing objects in Marks Editor.
- Color control marks with automatic adjustment can be given an extra upper and lower border.
- New format instructions for viewing dates, measurement units and layer information.
- Folding sheet signatures can now be set for perfecting printing only and rotated in 90 degree steps.
- New standard marks `$(NelaPlateControl)` and `$(NelaPlateControlDetails)` for integration with plate handling equipment from NELA.
- There are new variables `$(PrintDate)`, `$(DocumentCreationDate)`, `$(PlateSizeX)`, `$(PlateSizeY)`, `$(DocumentModificationDate)`, `$(PressSheetGangPartOneUpCount)`, `$(PressSheetCopiesOfGangPartOneUp)`, `$(GangPartOneUpCount)`, `$(CopiesOfGangPartOneUp)`, `$(SurfaceCharacter)` und `$(PressID)`.
- Column configuration of the Report tables can be transferred to the Signa Server.

#### 3.3 Gang forms and sheet optimization

The presettings for [gang optimization](#) have been moved to a central location and the standard values for optimization parameters have been updated. The template selection via ProductCodes has been extended by a new ProductCode Editor, now enabling AND / OR / NOT linking. These links are also used in the redesigned ProductCode filter. Quantities and orientation can now be edited retrospectively in the list of gang elements. The processing status display has also been expanded. The runtime for automatic ganging can now be more flexibly set. Automatically generated gang jobs are now given a ProductCode depending on the "evaluation" of the gang sheet. This code enables the job to be further processed automatically.

For an overview of all the latest features in Signa Station 2019, see [here](#).

### 4. Prinect Shooter 2

As already announced in 2017, the previous Prinect Shooter has been superseded by [Prinect Shooter 2](#). The previous 2017 Prinect Shooter can no longer be connected to a Prinect 2019 system.

Prinect Shooter 2 is based on the Prinect Renderer framework. It has the same functionalities as the present-day Prinect Shooter, while however presenting them via the updated user interface in its black design. Using the Portal widget "Plate Remake", the Wallscreen at the press can initiate re-imaging of the plates.

The previous functions WebUI, IPR export and csv export of job data are no longer available.

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## 5. Prinect PDF Toolbox

[Prinect PDF Toolbox](#) is a plug-in for Adobe Acrobat X, XI and DC. Earlier Acrobat versions are no longer supported. When it comes to functionality and easier handling, we have optimized and added new functions to all the tools in PDF Toolbox. PDF Toolbox can now generate, modify, activate and delete MDS color charts.

- The new tool [Show Effects](#) enables the simulation of special effects (coating, hot foils, embossing) as an exportable 3D PDF.
- In [Geometry Control](#), the simple automatic trimming add-on is now parameterized in its own tab.
- In [Object Editor](#) text / graphics can now be separated and text remains as text.
- In [PDF Compare](#) the static page can now also be used as a comparison when checking the versioned pages. This enables, for example, an evaluation of the differences when the static page has a white background
- The line spacing can now be set for variable text in [VDP-Editor](#). Substitute variables can now be viewed permanently to make positioning easier. The same variables can now be positioned several times on one page (also by using copy & paste). An additional index allows assignment to a dataset. The DataMatrix code now also supports the German Post "Premium Address" format requirements. The symbol size in relation to the content is now validated in matrix bar codes. The time variable now also shows seconds.
- In [Versioning Assistant](#) and [Page Assembly](#), when merging the static elements and the versioned elements, the color blending "Multiply" now layers the colors on top of each other.

## 6. Digital Print Manager / Prinect DFE

We have expanded functions, speeded up processes and made changes in operation, both in the Cockpit's [digital printing tab](#) and in the [Digital Terminal](#). We have integrated plausibility checks to help avoid operating errors. Prinect 2019 now supports for the first time the new Versafire EV / EP machines. Some functions are only available for certain Versafire machines due to the hardware.

- In [Preview](#) there is now a view of the page format, paper format and the total number of sheets (comprising the number of pages \* number of records / number of 1-ups per sheet). Instead of white, the background view can also be made transparent (e.g. when printing white on foil)
- The [subject](#) can be independently centered in either the X- and/or Y direction
- There are changes in the sequence for [PDF/VT positioning](#) when cutting and stacking. The records are now on top of each other in the stack.
- CIP4 cutting data for Compucut can now be generated directly in the digital printing tab.
- The rotation "Best Fit" can now also be selected when automatically positioning folding sheets.
- For Versafire EV/EP, backstitching displacement can now also be compensated for by scaling.
- The operator can now use his own ICC profiles for "Automatic Selection according to Paper Type".
- [Device Selection](#) can now be carried out directly in the digital printing terminal. The global machine status is now shown permanently at the upper edge of the DDT. It shows the paper feed trays used for the job currently in print and any alerts from the digital Renderer. All printed jobs are shown in the printing history.
- [Digital Engine Manager](#) supports the automatic calibration of Versafire EV/EP machines.

For [Primefire](#), there are specific settings and for [Labelfire](#) extensions for web label printing.

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## 7. Prinect Pressroom Manager

The properties of a print operation now also show the scheduling data with quantities and time. The reports from Pressroom Manager for [Analyze Point](#) have been further enhanced.

- Operations under a selected threshold can be hidden in the time sheet, machine and operation logs.
- The logged-in Assistant is shown in the machine log.
- The Quality reports now also show not only the ink but also the printing unit used with this ink.
- Reports from Inspection Control have been expanded to show the individual sheet markings and the pallet number applied by CodeStar.

The sheet description can now be used in the attributes rules and each attribute can be assigned a fixed value.

### 7.1 Scheduler

Alongside improvements in viewing [Prinect Scheduler](#), the following extensions have also been added:

- The [print scheduling sequence](#) can be optimized and automatically defined via editable rules with the aim of minimizing makeready time.
- "Application & Approval" can now be carried out automatically and "Activate" after a certain time has elapsed.
- Handling times can now be defined for each machine.
- The display of overlapping operations and the status of the preceding jobs has been enhanced.
- Checkpoints can now be firmly linked to a milestone and therefore synchronized. Only active checkpoints are available in column selection.
- The new default column scheme "@SchedulingStatus" enables non-scheduled operations to be more easily identified.
- Planning sequences for periodicals can be extended more easily and the completion deadlines for these operations can be defined.

## 8. Automatic Paper Stretch Compensation

APSC can now also be used for multicolor (CMYKOGV) printing. The paper group from the MDS and the grammage can now be used as an additional selection criterion for automatically selecting the distortion characteristic curves in [integrated APSC](#). This significantly reduces the number of output sequences or the number of hot folders required. Measurement data can now be stored under a new name, which makes it easier to assign them to a characteristic curve. The number of measurement values is checked for its meaningfulness/reliability before calculating the characteristic curves. The attributes (e.g. print direction, format) of measurement values can now also be modified with multi-selection for several data files at once. In the [standalone version of APSC](#) the client can now be installed independently from the server.

## 9. Prinect Postpress Manager

Postpress Manager is the software that integrates all the different postpress machines with Prinect. Its main task is to make the operation data available to the machines for PDA and send feedback to the planning board. It is connected via Data Terminal either online or via a counter box.

- The folding types for shingled folding and infeed in landscape format are now supported.
- Data Terminal can now also be operated in a 1920x1080 resolution.

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- The new counter box from W&T is supported.
- The GPI interface can be used in conjunction with specific saddlestitchers from Müller-Martini.

## 10. Prinect Color Toolbox

[Color Toolbox](#) includes the modules Profile Tool, Quality Monitor and Calibration Manager.

- The new process standards PSD\_2016, Proof ISO 12647-7\_2016\_Fogra51 / Fogra52 and ISO 12647-2\_2016\_AM\_Fogra51 / Fogra52 are supplied with it. These process standards apply the new ISO 12647-2 substrate classes PS1-PS8 in place of the previous substrate classes PT1-4. In this context, PT1 = PS1 for Fogra51 and PT4 = PS5 for Fogra52.
- When selecting these process standards, the benchmark is automatically converted to Delta-E2000.
- The 2016 process standards can also be applied with multi-color and spot colors.
- The digital process standard now supports additional spot colors.
- New test forms and control elements for multi-color applications with Labelfire and Primefire have been added to Color Toolbox.
- The new "Color Center" is available for Labelfire and Primefire.

## 11. Prinect Business Manager

Prinect [Business Manager](#) is Heidelberg's management information system (MIS). Prinect Business Manager also uses the common Prinect Portal for web-based access to Business Manager functions. Thanks to the Portal, the entire query, quotation and ordering workflow is highly automated and runs with only minimum manual intervention.

### 11.1 Integrated milestone system (with Prinect Production Workflow)

One of the key new features in the 7.19 version is being able to define flexible milestones for jobs in Prinect Business Manager, as well as fully integrating them into the workflow. This means all the print company's departments can see a simple and up-to-date overview of critical job milestones such as incoming PDF data or customer acceptance. Milestones are also integrated into Prinect Scheduler and can be linked with checkpoints.

Benefits: The flexible definition and monitoring of all the relevant milestones reduces downtimes and delays in production.

### 11.2 Detailed gang form layout information in Prinect Business Manager

Prinect Business Manager now offers options for costing gang runs in detail and specifying the exact position for each product (folding scheme) in the gang layout.

The following options are available:

- Simple assignment of the folding sheet with drag&drop into the gang form.
- Individual turning and rotation for each element
- Copy and delete for each element
- Flexible color assignment for each element
- Orientation of each element on the basis of the machine's pre-defined settings (see below left)
- Automatic positioning (important: is limited to a couple of standard combinations for folding sheets)

The gang form layout generated in Prinect Business Manager is forwarded to the Prinect Production Workflow. Prinect Signa Station creates a gang form layout on the basis of the positioning specified by the MIS.

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Benefits: The layout can be optimized and the gang run precisely costed at the time of making the quotation, i.e. less job preparation work.

### **11.3 New carbon footprint calculator interface - "PrintCo2 Neutral (BVDM)"**

Many of our customers have asked us for a calculator that can determine the carbon footprint for a job and also calculate the costs for carbon-neutral production. Up to now this could only be estimated manually. Now the new online interface in Prinect Business Manager Version 7.19 makes the process easier and less onerous.

The CO<sub>2</sub> interface is based on the carbon footprint calculator "Print CO<sub>2</sub> Neutral" from the Trade Federation of the German Printing and Media Industries (BVDM). The costing for the carbon footprint and which compensation project should be applied are available via the interface during the quotation phase. An application for a certificate on the carbon footprint (to compensate for the CO<sub>2</sub> emissions) cannot, however, at present be made via the interface.

### **11.4 Logistics interface extension (Consignor)**

The following functions have been added to the logistics company Consignor's online interface:

- Consignor sends tracking URL information back to Prinect Business Manager (this information is displayed in the Transport module). In conjunction with the eMail Motor, the customer continues to receive an automatically generated email with the tracking information.
- Consignor reports the shipping costs incurred to Prinect Business Manager (the shipping costs are calculated in the delivery company's system, e.g. DHL).
- Consignor forwards the status of the delivery to Prinect Business Manager.

The interface can be used both as a hot folder or as an EDI interface.

Benefits: Reduces work and touchpoints as well as saving time when shipping. Simplified and enhanced customer interaction with delivery tracking URL.

## **12. System requirements**

All Prinect products are only operable on 64 bit operating systems.

For details on the operating systems supported, see the document [Operating Systems - System platforms](#), as well as more detailed information on Prinect System requirements under [heidelberg.com/prinectsystemrequirements](http://heidelberg.com/prinectsystemrequirements).