Equipment

Quick Start Guide.

Jetfire 50 - Prinect Production Connection.

HEIDELBERG

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About This Documentation

This documentation describes how to connect HEIDELBERG Jetfire 50 digital printing presses to the Prinect Production workflow. It also describes in compact form the operation of a Jetfire 50 digital printing press with the Prinect Production workflow.

Note: The terms "Prinect Production", Prinect Manager", ‘Prinect Production Manager’ and ‘Prinect Integration Manager’ have the same meaning in this documentation and refer to the Prinect workflow version with the most comprehensive range of functions.

Note: The processes and working methods described in the following documentation apply to the operation of a Jetfire 50 digital printing press with a Prinect Production workflow that supports offset presses as well as digital printing presses in a "hybrid workflow". This documentation refers exclusively to the connection of the Jetfire 50 digital printing press to the Prinect Production workflow and the operation of the press in this system environment.

Prinect Production is a printshop workflow system fully based on the Job Definition Format (JDF). Prinect Production is a component of the HEIDELBERG Prinect product range.

This documentation gives you a brief introduction to connecting a Jetfire 50 digital printing press to the Prinect workflow and to operating Prinect Cockpit, the user interface of the Prinect workflow. An example will also show you how to configure and execute a standard work process for digital printing.

Note: The names (e.g. job names, user names, customer names, etc.) and quantities or dimensions (e.g. delivery quantities, sheet dimensions, paper dimensions, etc.) given in the following documentation – and in particular in the screenshots shown – as well as other individual designations used are intended as examples to illustrate how the respective settings and processes work and should **under no circumstances** be adopted in your configurations or production processes without checking.

What You Should Already Know

We assume that you are familiar with the Windows® and Mac OS® operating systems that are supported by this application. You should also be familiar with the processes and terms used in a print shop workflow.

Further Documentation

You can find more information in the following documentation:

- in the Online Help for Prinect Cockpit. See Prinect Cockpit – Online Help.
- The "Quick Start - Prinect Manager CR 55" documentation (as a PDF document) is available as an introduction to the Prinect offset printing workflow. See Quick Start - Prinect Manager .

- The documentation "Quick Start - Prinect DFE CR 55" (as a PDF document) is available as an introduction to the Prinect digital printing workflow with the Prinect Digital Front End (DFE) and Versafire digital printing presses. See Quick Start - Prinect DFE .
- In the User's Guide for HEIDELBERG Prinect Licensing or in the Online Help for License Manager. See License Manager – Online Help.
- In the Online Help for Prinect Maintenance Center Prinect Maintenance Center – Online Help.

Typographical Conventions

The following typographical conventions are used in this manual:

- References to other chapters and sections are blue (on the screen) and underlined.

  Example: See section "Typographical Conventions", page 6.

- Quotes are used to indicate menus, folders, names of functions, hardware conditions, switch settings, system messages, etc.

  Example: Set the switch to "off".

- Menus, functions and sub-functions are separated by ">".

  Example: Select "File > Open...".

- Keys which you should hold down simultaneously are connected with a plus character.

  Example: Press Alt+A.

Important Information

Important information in the text is marked by symbols that are used as follows:

Warning: Contains information that must be taken into consideration to protect the user from injury.

Caution: Contains information that must be taken into consideration to prevent damage to hardware or software.

Note: Contains important general or supplementary information about a specific topic.

Prerequisite: Lists requirements which must be met before the subsequent steps can be performed.

Introduction to the Prinect Production Workflow

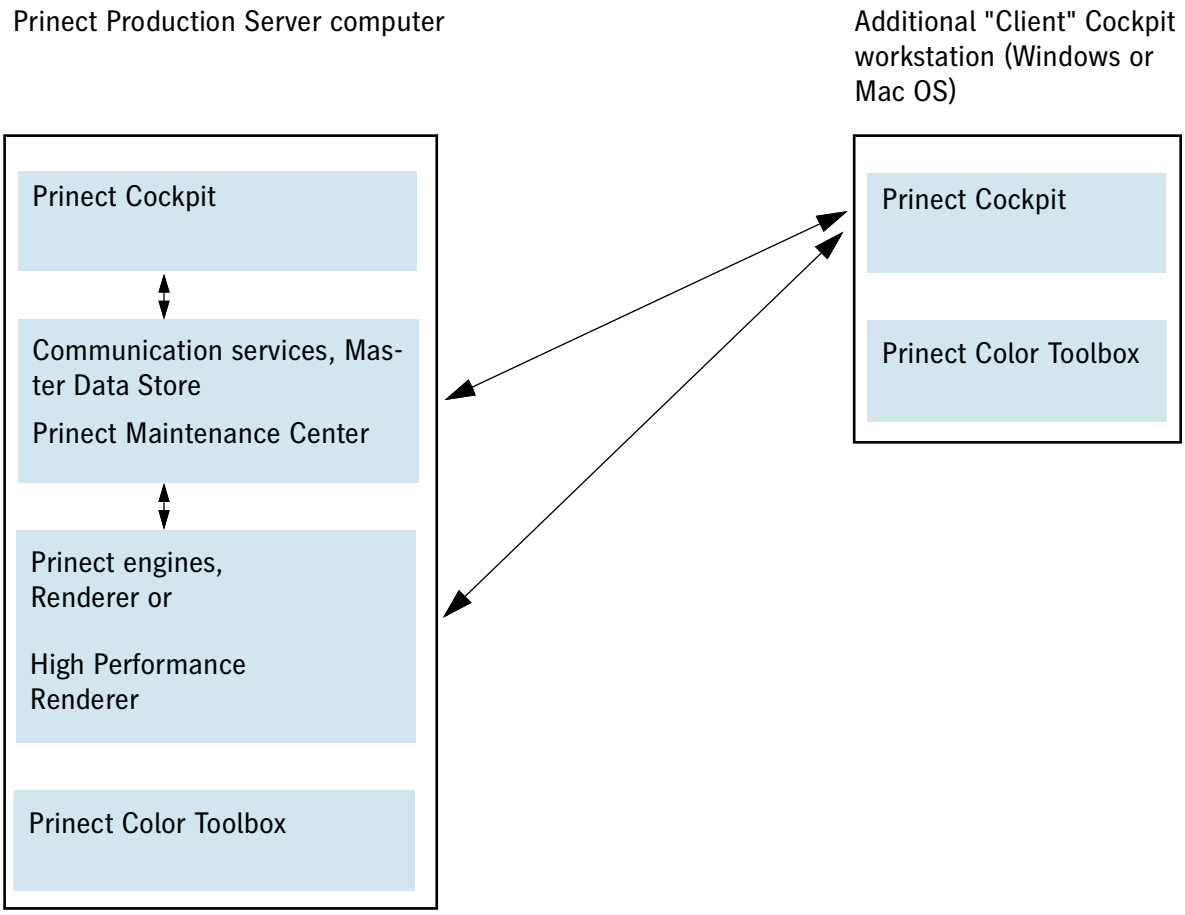
Prerequisite: HEIDELBERG Jetfire 50 digital printing presses can be operated **only** in a **Prinect Production** workflow. You **cannot** operate the Jetfire 50 with the Prinect **DFE** workflow (**D**igital **F**ront **E**nd).

Prinect DFE provides functions for an automated Prinect workflow for output on offset/digital printing presses. This workflow spans steps ranging from preparation of the digital job data to output of the production run at the digital printing press and finishing of the printed products.

What are the components of Prinect Production Workflow?

The Prinect Production Manager is built up on the model of a server-client architecture. The core of the system consists of a central database and components that control all the processes in the system and that regulate communication flow between the single components. Important basic data like for example, printing materials, user or customer data, color profiles, are stored in the MDS (MDS=**M**aster **D**ata **S**tore). "Engines" are used for processing within the Prinect workflow.

The central user interface of the Prinect Production Manager is the "Cockpit" that can be installed as a client application on several computers (Windows and Mac) in the network environment.



How do I use the Prinect Production Manager?

The "Cockpit" is the central user interface for all tasks a user performs with Prinect Production Manager. Cockpit is installed together with the Prinect Production Manager software on the Prinect server computer. Additional Cockpit clients can be downloaded and installed from the HEIDELBERG Software Center via Prinect Maintenance Center (PMC) for both a Windows and a Mac OS operating system environment. You can perform the following tasks in the Cockpit:

- Edit basic system settings (set up presses, users and customers, etc.)

- Configure processing steps ("sequences") for automated job processing and
- create jobs, compile job components (input files, sheet layouts), view and monitor jobs, submit jobs or job data for processing or for approval, check the job status.

Prerequisite: A licensed, if possible latest, version of the Adobe Acrobat Standard or Professional software should be installed on each workstation using Prinect Cockpit. Acrobat is used for various purposes during the processing of print jobs in the Prinect workflow, e.g. for the visual control of PDF documents or for using the Acrobat plug-ins "Prinect PDF Toolbox" or "Prinect Imposition Editor". Acrobat Standard or Professional is not included in the shipment of the Heidelberg Prinect software. As a minimum solution, the free Adobe Reader should be installed so that you can at least open and view the PDF documents processed with Prinect. The licensee of the Prinect software is responsible for ensuring that a suitable version of Acrobat is installed on the computer in question **before** starting the installation of the Prinect components.

Note: Acrobat Standard is only available for Windows. You need Acrobat Professional if you want to utilize advanced Acrobat functions on a Mac.

How to obtain the installation files

Prerequisite: HEIDELBERG offers the "Prinect Production" installation package for operating Jetfire digital printing presses with the Prinect workflow. In addition to the offset workflow, Prinect Production supports all digital printing presses that are generally supported by the Prinect workflow. The "Prinect Common Database" and "Prinect Renderer" installation packages are also required for the Prinect Production workflow. These installation packages and installation packages for Prinect Cockpit (Windows and Mac) for additional Cockpit installations can be downloaded in Prinect Maintenance Center in the "Product Installations" view.

Warning: We generally recommend that HEIDELBERG Support should be consulted for the installation of Prinect Production software, as the installation process is complex and requires special knowledge.

If the Prinect Production software is initially to be installed in a system environment in which no other Prinect product is already installed, normally Prinect Maintenance Center is not available in the system environment. In this case, you can download the Prinect Maintenance Center installation package from the HEIDELBERG homepage in the "Software" menu under "Prinect Software Downloads" and install it in your system environment.

See Prinect Software Downloads.

Following the installation of the Prinect Maintenance Center (PMC) software, you must register your company and at least one user in the HEIDELBERG Customer Portal in the PMC user interface and log in to Customer Portal. Details about this can be found in the Online Help of the Prinect Maintenance Center. See Prinect Maintenance Center – Online Help.

How Does Licensing Work?

Prerequisite: To operate the HEIDELBERG Jetfire 50 digital printing press, the "Jetfire 50" license option must be activated in addition to the general Prinect Production licenses. If this license option is not included in your license key, you can request the activation of this license option from the HEIDELBERG licensing department. The activation will be transmitted online to your local License Server.

With each installation of the Prinect Production software, all software components of the "Prinect Production" installation package are installed regardless of the licenses purchased in each case. Prinect Maintenance Center, however, is not part of this installation package. A license key activates the permanently usable options. License administration takes place in the "Prinect Licensing" module. Prinect Licensing consists of two software components, the License Server and the License Manager. License activation takes place online with the HEIDELBERG Trust Service. As of version 2019 licensing via a dongle is no longer supported, apart from a few exceptions. The switchover to online licensing is also applicable for any version upgrades.

Online licensing is based on an online protection certificate that is enabled during installation of the software. For this reason, before installing the Prinect Production software, you must request an installation code from the HEIDELBERG licensing department, which you enter at the appropriate point during installation of the License Manager software to activate the Prinect software. The certificate is connected to real or virtual hardware and is automatically renewed daily. If the Internet connection to the HEIDELBERG Trust Center should fail temporarily, the existing certificate continues to be valid for 30 days. Online licensing is managed with the "Prinect Licensing" module, while the connection to the HEIDELBERG Trust Center is established via Prinect Maintenance Center.

The License Server and the License Manager interact in a "client-server architecture". Administration of the licenses is done in the License Server whereas the License Manager depicts the user interface. Normally, the License Server is installed on the Prinect Server. In bigger system environments with numerous Prinect servers and/or other Prinect products, it may be advisable to set up a dedicated License Server PC. The License Manager user interface can be installed on several client computers at the same time.

Note: You can find details about licensing in the "HEIDELBERG Prinect Licensing – User's Guide" or in the Online Help of License Manager. See License Manager – Online Help.

Prinect Maintenance Center (PMC)

In the print shop, Prinect Maintenance Center establishes the connection to HEIDELBERG Prinect Software Center (for software downloads), HEIDELBERG Trust Service (for licensing) and HEIDELBERG Customer Portal Control Center.

Prinect Maintenance Center is responsible for various tasks within the Prinect system environment:

- For providing the files for installing the Prinect software in the print shop,
- For regularly checking for available software updates and making them available,

- For controlling the update installations, taking into account the dependencies that exist internally between the Prinect components, and
- For running background installations without user interaction.

A prerequisite for the provision of Prinect software components is that the print shop is registered as an organization and logged in to the HEIDELBERG Customer Portal with a user account. HEIDELBERG Customer Portal provides access to the digital services of
Heidelberger Druckmaschinen AG.

Sequence Templates

In Cockpit, the processing steps are configured in the form of so-called "sequence templates". These templates contain all the process steps that are to be carried out with the content data of the print jobs up to actual printing. Divided into different options, sequence templates contain all the key settings that are required for correct printing. These templates only have to be set up once and after that they can be used for any number of print jobs that need the same setup. Sequence templates of different types can be combined to form group templates. For that reason, it is generally sufficient to enter a few basic data when creating a new print job and to select the matching sequence templates or a group template. See "Group Templates", page 12. All the output parameters are predefined in the sequence templates and do not need to be reconfigured.

Basic sequence templates

The most important sequence types for digital printing output are the "Qualify" and "PagePrint" sequences. Other types of sequences are available for advanced workflow variants.

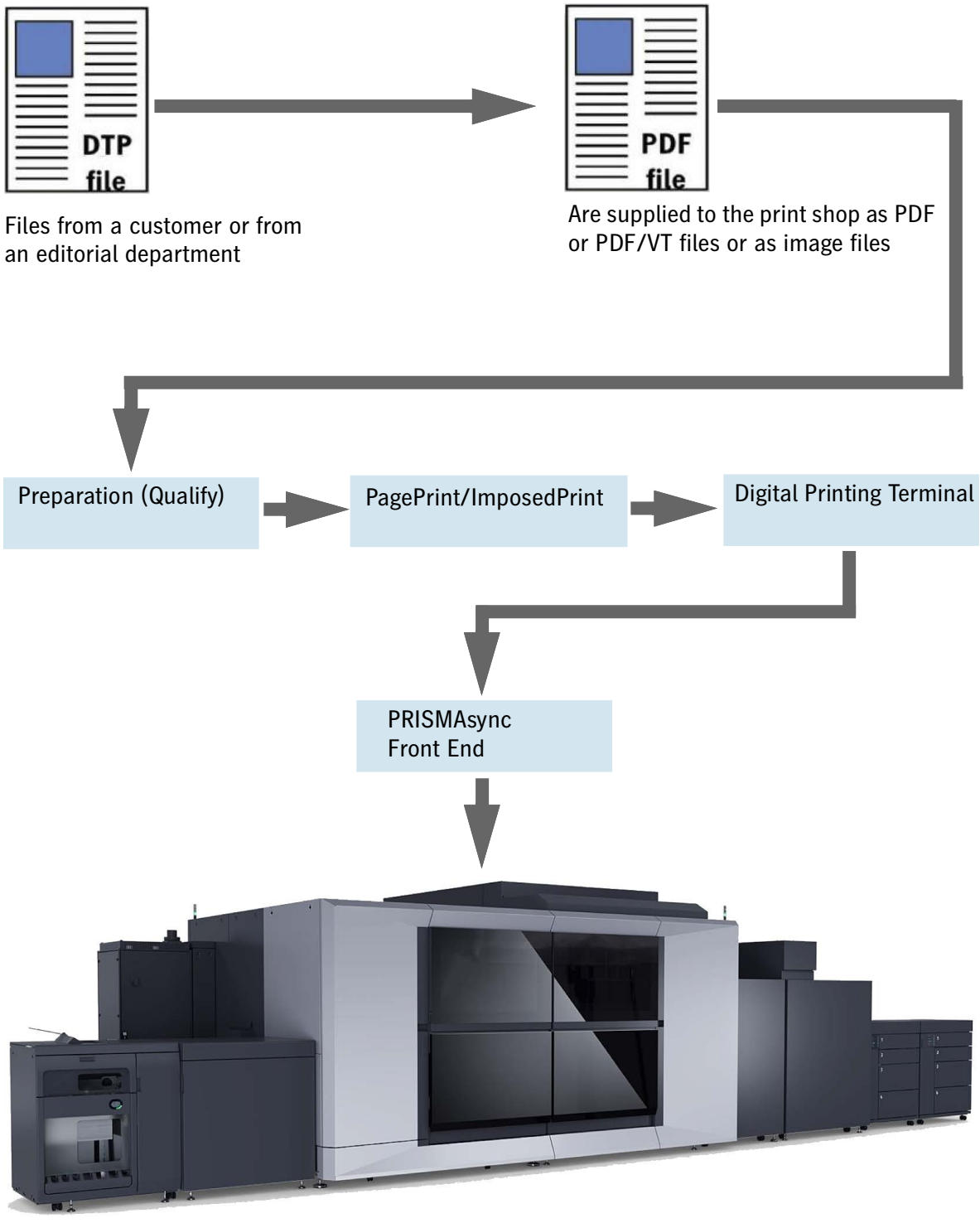
- The Qualify sequence prepares documents that are available in PDF format for processing with the Prinect workflow in a "Normalization" option. If the existing PDF format is not suitable for processing with the Prinect workflow, these PDF documents can be prepared with the "Normalization engine" so that further processing can take place in the Prinect workflow ("Refrying" process). The incoming documents must always be in a cleaned PDF format suitable for the subsequent process stages. In a "Preflight" option, the input documents can be checked, for example, for the presence of all required fonts, correct image resolution, use of transparency elements, etc. You can customize the preflight settings to suit your needs.
- After the Qualify sequence, the pages can be subjected to a Prepare sequence. This can be necessary, for example, if you wish to reduce transparency elements found in several layers of a PDF to one layer. The Prepare sequence also offers advanced color management options.
- In a PagePrint sequence, page output for digital printing is configured. In this context, "page output" means that the pages contained in the PDF job files are imposed interactively within the Prinect Production workflow, while ImposedPrint sequences process already imposed sheet layouts.
- An ImposedPrint sequence is used to configure the output of imposed sheet layouts for digital printing.

Group Templates

To configure standardized processing, you can group several sequence templates to "group templates". In a group template, you can link single sequences by drawing connecting lines between them. These kind of linked sequence templates can run automatically one after the other without intervention from the user. Linking sequence templates is optional and the sequence templates are not linked in the examples shown below. You can save separate group templates for different sequence configurations.

Job Processing Workflow

The graphic below shows you a diagram of the basic workflow in processing job files in the Prinect workflow:



Jetfire 50 digital printing press

1. The print shop customer supplies the documents and/or images required for the print job to the print shop in the form of PDF or PDF/VT files or image files (e.g. in JPEG format). The complete definition of the customer print job can take place, for example, in an app of the HEIDELBERG Customer Portal or in a web store by transferring the PDF and image files to the print shop via online upload.

2. A new job is created in Prinect Cockpit when the input files are available in Cockpit. If you expect a number of print jobs for a certain customer, you can create a job group where you can group the jobs of this customer. Furthermore, it is advisable to enter the customer data (name, contact, etc.) into the Prinect customer administration and assign the new job to the customer.
3. When you create a new print job, you can at this stage assign several sequence templates or a group template to the job.
4. A print job opens in the Cockpit after it has been created in the Prinect workflow. You can now check its settings and, if necessary, change them. In this way, you can, for example, modify individual sequence templates.
5. Once the job has been created, the files to be printed are added to the job. You can define a job as "started" when you are creating it. In this case, the added files are processed straight away, usually with a Qualify sequence which contains a preflight step that checks the files for possible errors (missing fonts, image resolutions too low, etc.). You can then configure job parameters such as color settings (color sequence, handling of spot colors, etc.).
6. Alternatively, you can also define job templates for creating new print jobs automatically. It is then sufficient to transfer the files to be output to a hotfolder using "drag & drop" and a new job is automatically created with the default settings of the job template (see section "Create new Print Jobs automatically via Drag & Drop", page 91).
7. Each of the pages must be imposed for output to a digital printing press. This is done either interactively in the "digital printing" step or in an upstream step in which the sheet layouts are imposed separately (e.g. with Prinect Signa Station or with Prinect Imposition Editor). In this case, an ImposedPrint sequence rather than a PagePrint sequence is used for digital printing. All settings for the print output – including finishing – are made in the "Digital Printing" step.
8. When configuring the "Digital Printing" step is completed, the print jobs are submitted to the Digital Printing Terminal (part of Prinect Cockpit). You can use the Digital Printing Terminal in two modes:

    · In automatic mode, incoming print jobs are forwarded to the digital printing press automatically, i.e. without the need for operator intervention. If there are several "similar" digital printing presses in the system environment, these presses can be combined to form a "cluster". In the case of Jetfire 50 presses, for example, two Jetfire 50 presses would be "of the same type", but not a Jetfire 50 press and a digital printing press of a different type. Similar presses in a cluster can be operated in "load balancing" mode, i.e. the press that is currently available or least busy is automatically activated. See "Cluster setup", page 47.

    · In manual mode, the operator controls the order in which printing takes place and – if several digital printing presses are available – which of the presses is controlled.

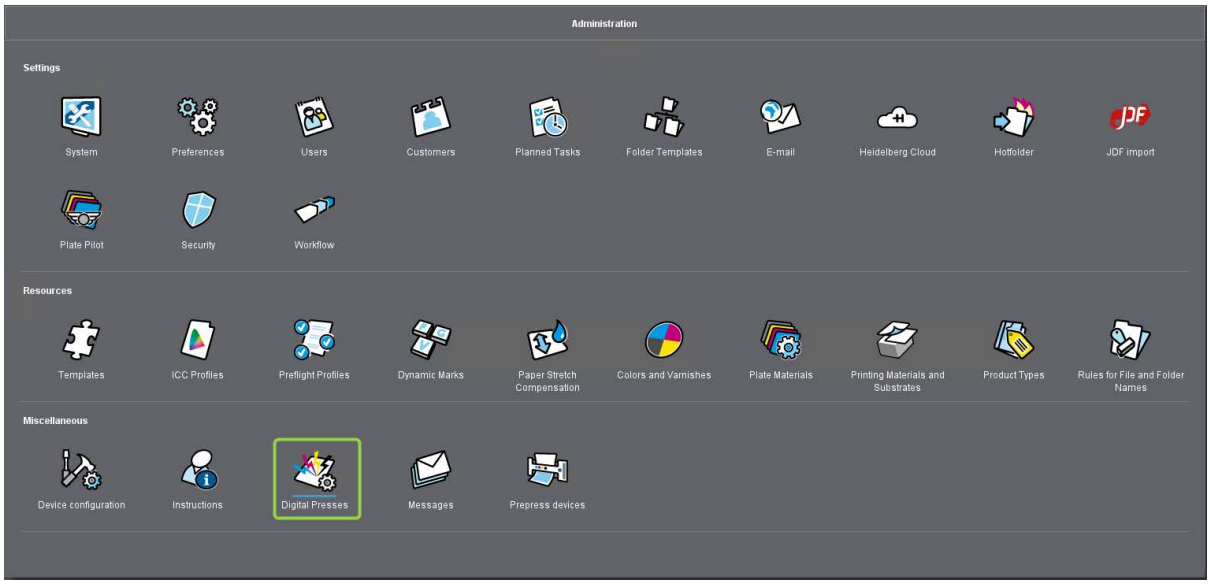
Note: Jetfire 50 automatically carries out a print head cleaning process after every "pause" in which no new print data arrives at the press. In order to prevent unnecessary ink consumption and unnecessary interruptions to the continuous printing process due to too frequent cleaning processes, it is **strongly** recommended to submit job data to the press as continuously as possible.
Continuous submission of print data to the Jetfire 50 press can be achieved by "collecting" sufficient data to be output in Digital Printing Terminal before this data is then forwarded to

the press or to the PRISMAsync front end.
If necessary, check whether it makes sense to use an additional color proofer for the page proof within the Prinect environment to prevent proof outputs on the Jetfire 50 press triggering print head cleaning processes.
Color proofers are set up with the "Prinect Color Proof Pro" software and connected to Prinect Manager. Linearization and calibration of proofers is also possible with Color Proof Pro.
See also Prinect Color Proof Pro – Online Help.

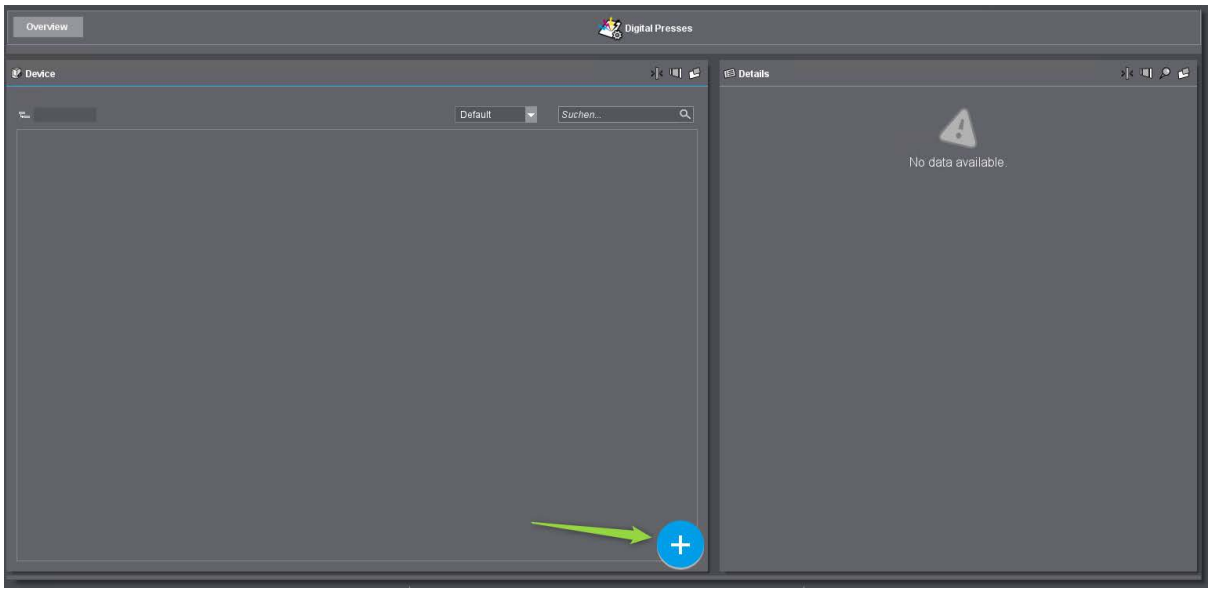
Connecting the Jetfire 50 press to the Prinect workflow

Prerequisite: Before you can connect a Jetfire 50 press to the Prinect workflow, the press must be fully installed and the PRISMAsync front end must be connected to the print shop network.

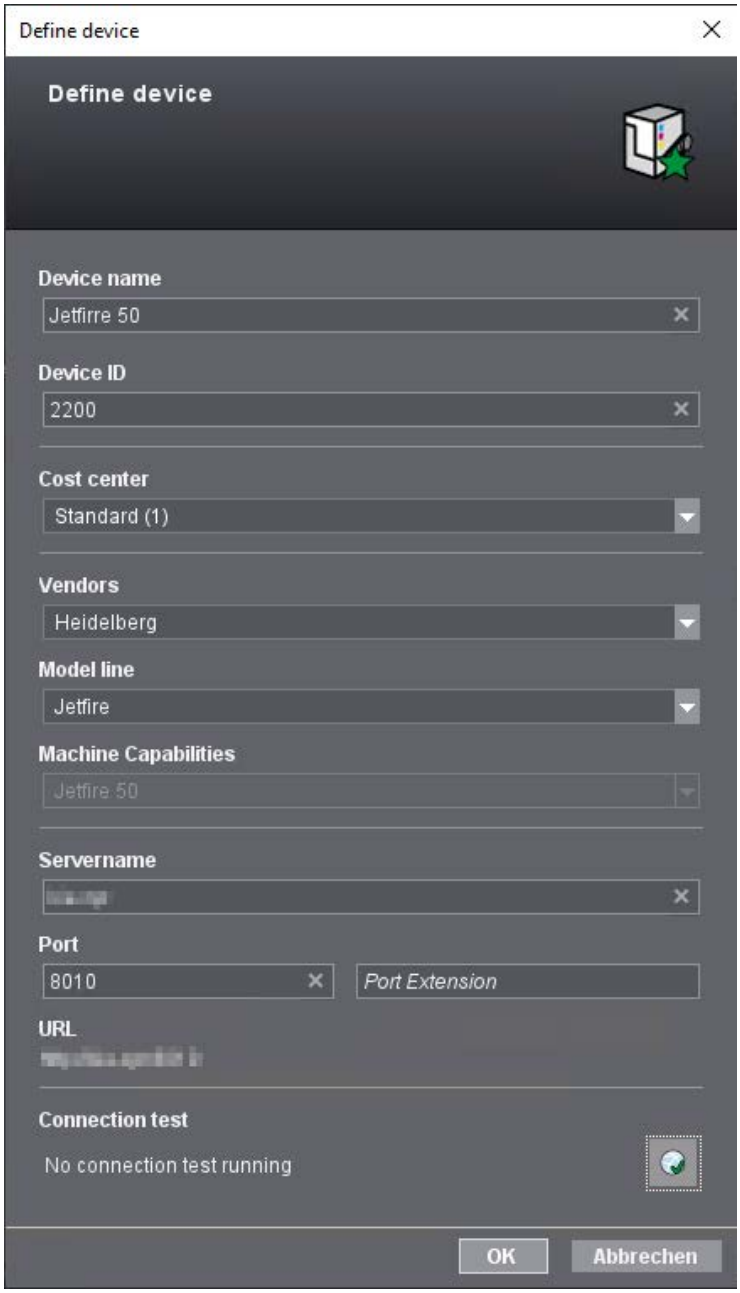
The Jetfire press is set up in the Prinect Cockpit in the "Administration > digital printing presses" view:



1. Click "digital printing presses".



2. Click the "Plus" symbol to add a new digital printing press. The "Define device" dialog appears:



3. Complete the dialog with available values:

   · "Device name": If possible, enter a "descriptive" device name that makes it easy to identify the device, for example "Jetfire 50". This name is used to identify the press in the Cockpit UI.

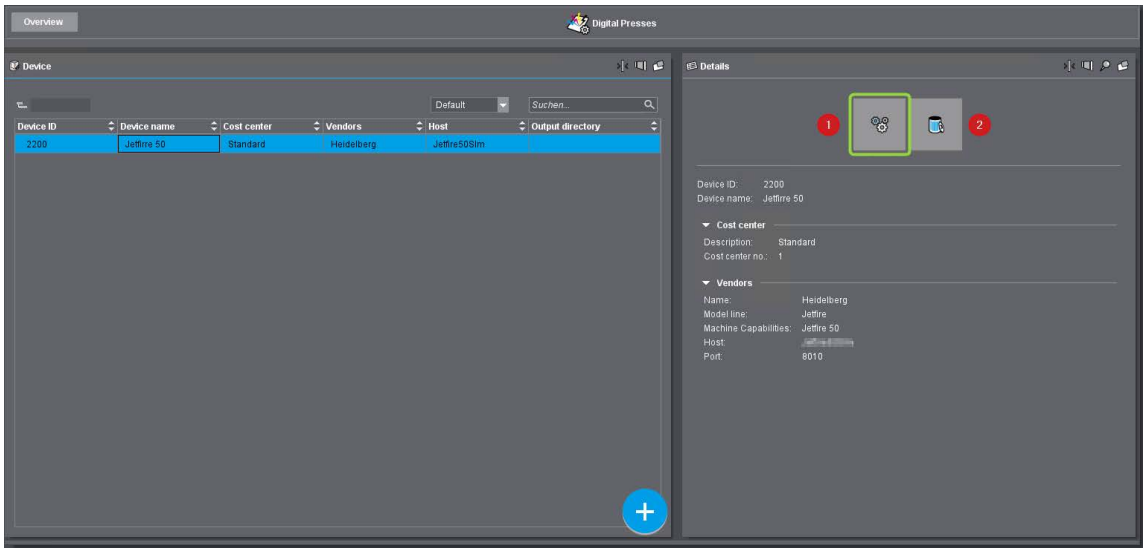
   · "Device ID": As the device ID, enter an identifier – e.g. a multi-digit number – that uniquely identifies the device in the Prinect environment, i.e. the device ID must not have already been assigned in the Prinect system environment.

   · "Cost center": Select a cost center for the press defined in the Prinect environment.

   · "Vendors": Select the "Heidelberg" entry.

- "Model line": "Jetfire" has been entered here (automatic detection).
- "Machine Capabilities": "Jetfire 50" has been entered here (automatic detection).
- "Servername": Enter the name of the PC where the PRISMAsync front end has been installed.
- "Port": Enter the Internet port address and the port extension of the PRISMAsync front end.
- "URL": The URL of the PRISMAsync front end is made up of the "Server name" and "Port". If necessary, ask your system administrator for the correct URL.
- "Connection test": It is strongly recommended that you click this button before confirming the dialog with "OK" to check whether the PRISMAsync front end is accessible in the network.

4. Once the device has been created, a new entry is displayed in the "Devices" list:



5. If you select the entry, the properties are displayed in the right-hand part of the window. By clicking the "Settings" button (1), you can subsequently check or edit the properties. You can delete the entry by clicking the "Delete" button (2).
6. Click "Overview" to return to the "Administration" view.

User set-up

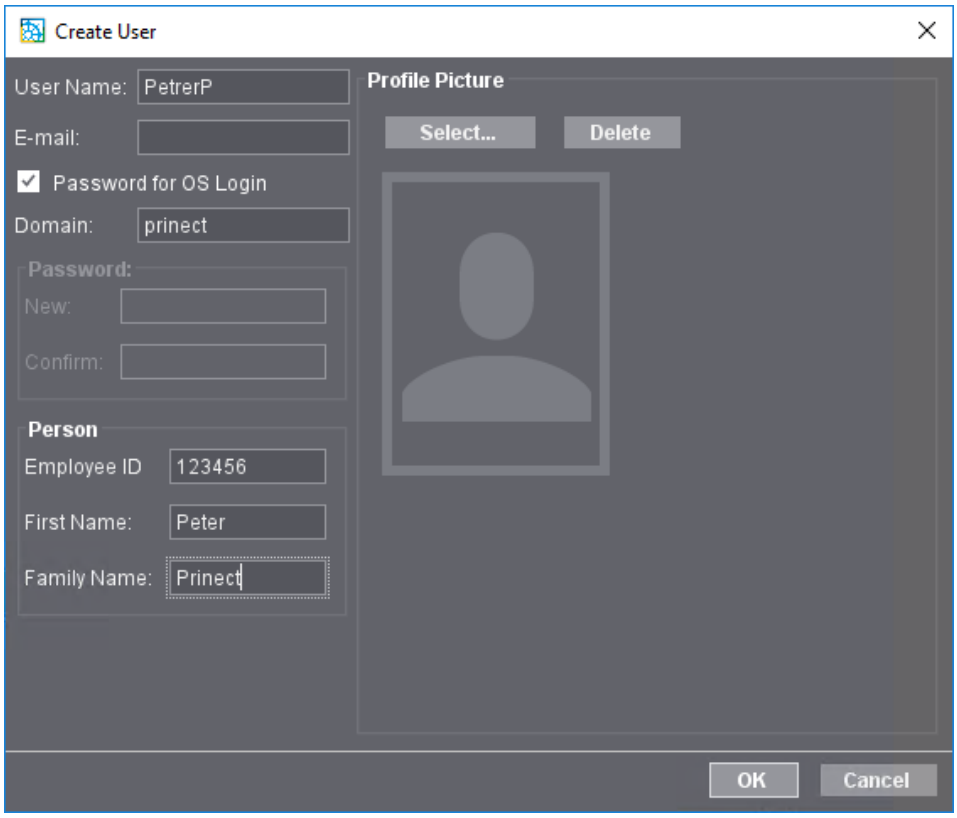
Prerequisite: Before you set up new users in Prinect Cockpit, the corresponding user accounts must be set up in the Windows system administration of the Prinect Server computer. The future Cockpit users must first be defined with a Windows user account on the Prinect Server or in a Windows domain and be a member of the Windows user group "Prinect Operators". Without this setup and configuration as Windows users, Prinect users cannot make any changes to the settings or job data in Prinect Cockpit. For more information, go to Cockpit Help, section "Setting up a new Prinect user".

After installing the Prinect Production software for the first time, you must set up the print shop employees who are to operate the Prinect workflow as "Prinect users". When setting up, you assign the individual users to the intended roles by assigning them to a specific user group and assign corresponding access rights. To mange users, go to the "Administration" view of Prinect Cockpit under "Users".

Note: If the Prinect software has been newly installed, you can log in to Prinect Cockpit with the user name "Administrator" without a password to set up the users. For security reasons, it is then recommended that you set up at least one user with administrator rights and then delete the "Administrator" user from the user administration.

1. Go to "Administration" and click "Users" (1):

2. The User Management opens. Click the "New" button. The "Create User" dialog displays:



Enter the following user data:

- User Name: Type the user name ("PeterP" in our example). This user name is used as user account in the Prinect environment – in particular in Cockpit. At the same time, this user account must be defined as a Windows user on the operating system of the Prinect Server computer (see "Prerequisites" above). To use the corresponding Windows user account as a Prinect user account, the **"Password for OS Login"** option **must** be enabled. The Prinect user can only access the "PTConfig", "PTJobs" and "PTDocs" folders with write permissions if a correspondingly configured Windows user account is also used for the Prinect user with the protection function enabled. Without these authorizations, no changes to the settings or job data can be made or saved in Cockpit. Enter a user name here that is defined on the Prinect server computer as an appropriately configured Windows user. In future, this (or another appropriately configured) user account will be used to log in to Cockpit.

Note: If you operate the Cockpit on a computer other than the Prinect Server, i.e. on a Windows or Mac client, the Prinect user does not have to be a system user on the client computer at the same time, but only on the Prinect Server.

- Optionally, you can specify the name of a Windows domain if the Prinect Server and – if available – the client computers and the corresponding users are organized in a domain.

  For more information on the protection function, go to "Administration > Security" in Cockpit Help.

3. In "Person", you can enter more specific user data (E-mail, Employee ID, First Name, Family Name). As an option, you can choose a profile image in the file system and assign it to the user.
4. Confirm the dialog with "OK". The new user is now displayed in the "Name" column. Select this table entry and assign the groups to the user he/she is to become a member by selecting the desired groups in the "Available groups" list and adding them to the "Member of" list by double-clicking or by clicking "Add".

Note: In the vertical tabs "Groups" and "Access rights" (top left of the window), you can edit or redefine the user groups and configure the corresponding access rights. You can find more details about this in Cockpit Help, "Administration – Users".

5. Click "Save" to terminate the user configuration. Click "Overview" to leave the "Users" administration area.

Set up Customers

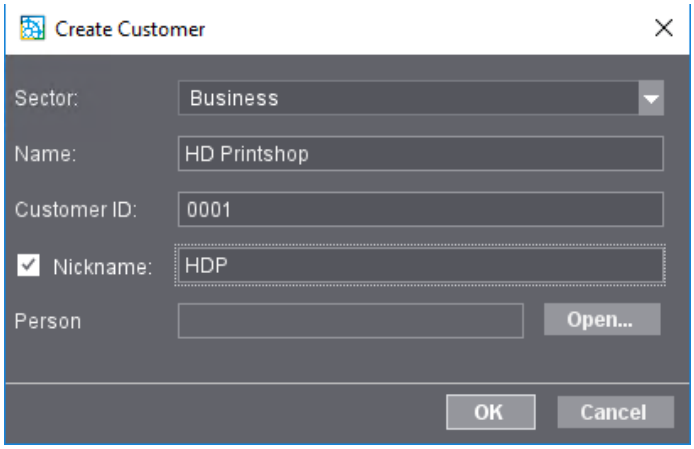
In daily work with the Prinect workflow, the edited jobs are normally assigned to the customers concerned. For this purpose, Prinect Production has its own customer administration. Customer data are filed in the Master Data Store and are available at various points in the Prinect environment.

Note: Details about customer administration can be found in the Prinect Cockpit Online Help.

For example, you set up a "virtual customer" here to be able to assign a customer to the demo jobs used in this documentation.

1. Go to "Administration" and click "Customers" (1).

2. The User Administration opens. Click the "New" button. The "Create Customer" dialog opens:



Enter the following customer data:

- Sector: Business
- Name: HD Printshop
- Customer ID: 0001
- Nickname HDP

3. Click "Open" beside "Person". The "Create Person" dialog opens:

Enter the following personal details:

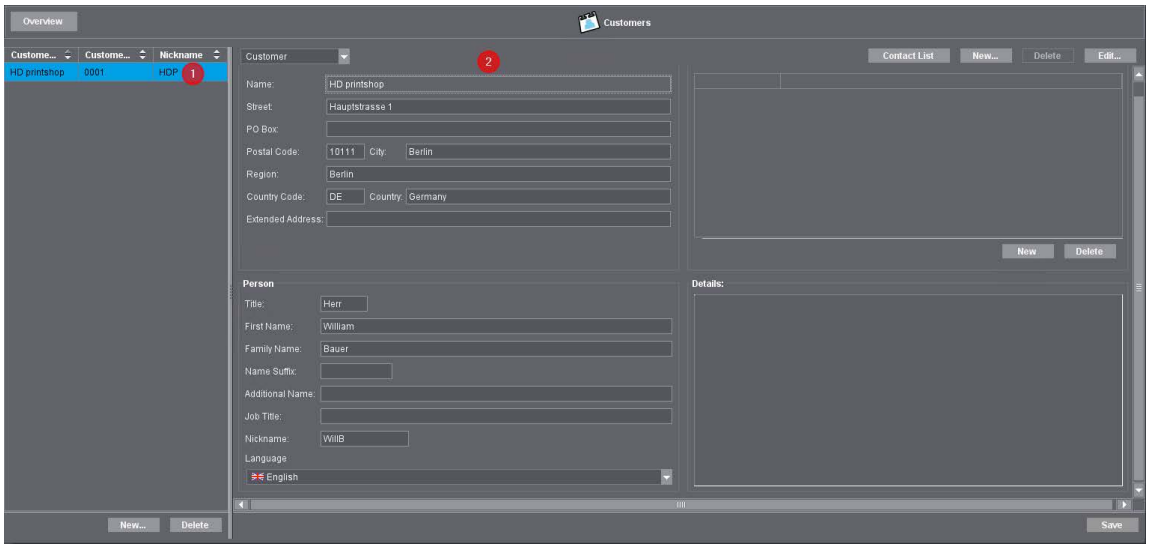
- Title: Mr.
- First Name: William
- Family Name: Bauer
- Nickname WillB
- Language: English

These details about the contact are enough for our purposes. In "Communication Channels", you can enter data such as phone number, mobile number, e-mail address, fax number or Web address.

Confirm the "Create Person" dialog with "OK".

Then confirm the "Create Customer" dialog also with "OK".

4. The "Customers" window now displays your new customer at the top left of the customer list (1).



Mark your customer and fill out the "Address" section.

- Street: Hauptstrasse 1
- Postal Code: 10111
- City: Berlin
- Region: Berlin
- Country Code: DE
- Country: Germany

5. Confirm your inputs with "Save". Close the "Customers" window by clicking "Overview".

Create a Job

In the Prinect workflow, a job contains all the information and files required for processing. New jobs are created in the "Jobs" view using the "New job" button. The following information is requested when defining a new job:

- Basic job data

  · Job Number

  A job number must be assigned to every job. A job number generally consists of a number of letters and/or digits. The job number identifies each job in Prinect Production. For that reason, each job must have a unique job number. This is checked when you enter a new job number. If the job number you entered already exists, the number displayed is red and you cannot enter any more data until you enter a job number that is not yet used.

  · Job Name

  The job name is the identifier that is used to display a job in the Cockpit user interface. The job name, too, must also be unique in the system. This means that you must give each job a job name that is not yet used as a job name in the system. After you enter the job number, hit the Tab key. The job number is copied automatically to the "Job Name" box. You can use the job number also as the job name or you can edit this entry.

  · Documents

  This is where you can assign PDF or image files to a job while you are creating it. To do this, click "Browse" and select the document files in the file system. You can also skip this step and add the document files later after the job is created and opened.

  · Job Group

  Generally, it is advisable to assign each job to a job group. This lets you, for example, use a separate job group for each customer you have or to create a "pool group" for single jobs of various customers. If a job-related group structure already exists in the system, the group that was selected before the "New job" button was pressed is entered in this box. By clicking "Change", you can select a different, available group or create a new group and select it.

  · Job Home

  In this box, you set the folder in which all the job-specific data in the file system will be filed. Normally, the job files are filed in the "PTJobs" system folder (e.g. E:\PTJobs) of the Prinect Server and here in the "Jobs" subfolder. A subfolder with the name of the job group is created in the "PTJobs" folder. A folder with the job name is created in this subfolder. All the job-specific data are filed in this folder. You must click the lock icon if you

do not wish to use this default. This breaks the link between job group and job folder and you can use "Change" to select another folder for the job files. We recommend that you do this only in exceptional cases because the defaults ensure that the job files can be found fast in the system. The "PTJobs" folder is shared in the network, meaning that other computers in the system environment, for example, other Cockpit computers can access the job files. In addition, the central storage location of all job files makes it easier to back up the data.

- Customer Data

  Assignment of customer data to a job is optional but we strongly recommend that you use the Prinect customer administration (see section "Set up Customers", page 21) to assign an appropriate customer account to each job. The customer names registered in the customer administration are offered for selection in the "Customer name" list box. The "Customer ID" and "Nickname" boxes are then filled automatically.

  · Customer Job ID

    The assigned Prinect job number is entered by default in this box. This is where you can enter customer job numbers in the case that your customers use their own job numbers that are different to the Prinect job numbers.

  · Customer Job Name

    Corresponding to the customer job number, you can here enter a customer job name that differs from the Prinect job number.

- Processing:

  In this view, you can assign one or more sequence templates or group sequence templates to the job with "Add". By doing this, you define how the job will be processed in the Prinect workflow. You can still edit each of the steps set in the sequence templates after the job is created. This is where you can save the selected sequences as a template for new jobs generated automatically (see also chapter "Automatic Creation and Output of New Jobs using Drag-and-Drop", page 91). You can skip this step for the time being and assign the required sequence templates later in the open job.

- Scheduling

  You can enter the following planning data here:

  · Set Due Date

    You can select a date for the scheduled due date by clicking the calendar icon. This date is for logging only and does not control the time printing will run.

  · Responsible

    This is where the Prinect user who is responsible for processing the job is entered. By default, this is the name of the user logged in to the Cockpit. Using "Select", you can

select a different name from the Prinect user administration. The user must have the required permissions in the Prinect system.

- Job type

  You can select one of the following job types in the list box: Production, Product, Preliminary job, CAD (for packaging printing), Reuse, Job Template, Cloud.

- Job Priority

  You can assign a priority to each job. For example, this lets you set that very urgent jobs are given a higher priority and are processed before other jobs.

- Pages

  Generally, the job data or information from the customer tells you how many pages there are in one copy of print product. Together with the planned delivery quantity, you can estimate how big a job will be.

- Delivery quantity

  The delivery quantity indicates how many copies of each print product will be printed.

The new job is created after you click "Finish" and opens immediately if the "Start Job" option is enabled.

Processing steps and parameters of a Prinect job

In the Prinect workflow, each print job goes through several processing steps until it is printed. The properties of a Prinect job can be viewed and configured in various parameter areas in the "Jobs" view of Cockpit. After the job is set up, you start it and the steps are run one after the other.

A job contains the following sections or steps:

- "Product Description" section

  This is where data like delivery quantity and details about the customer for whom the job was created are entered.

- 'Processing' Section

  This is where the processing sequences or group sequences are added to the job and displayed in a graphical overview. You can edit sequence settings individually here (by double-clicking the respective sequence symbol).

- "Properties" Group

  This is where other properties like delivery quantity, pages planned in a job, predecessor job details or gang job details are recorded.

- "Colors" Group

  This is where you configure the output type of the print colors defined in the job (color definitions, color sequence, usage, etc.).

- "Printing Process" Section

  This is where parameters relating to the printing process (e.g. print order of pages, output color profile) are displayed or configured.

- "Documents" Step

  Document (PDF or image) files are added to the job in this step.

- "Pages" Step

  Page lists are defined in this step and the document pages are assigned to the page list placeholders. In the examples described below, this is done automatically so that this step does not require any manual intervention.

- "Digital Printing" Step

  In the "Digital Printing" step, pages are imposed interactively and you set output and finishing options. Furthermore, this step has options for examining the imposed sheets in detail (magnifier function, etc.) and you can, for example, view a preview of a finished booklet in which you can also scroll through.

- "History" Section

  List of the actions performed throughout the job.

Setting up a cluster of digital printing presses

You can combine several digital printing presses of the same type (e.g. two Jetfire 50 or two Versafire printing machines) into a cluster. You can then submit print jobs to the cluster. This means that the decision as to which of the presses belonging to the group is to be used for printing is only made at the start of printing. If the Digital Printing Terminal of Prinect Cockpit is operated in automatic mode and a cluster of digital printing presses is selected as the output destination, these digital printing presses are automatically utilized optimally, as the press with the highest availability is always selected. In manual mode, you can select either one of the individual presses or the cluster and submit the print jobs accordingly.

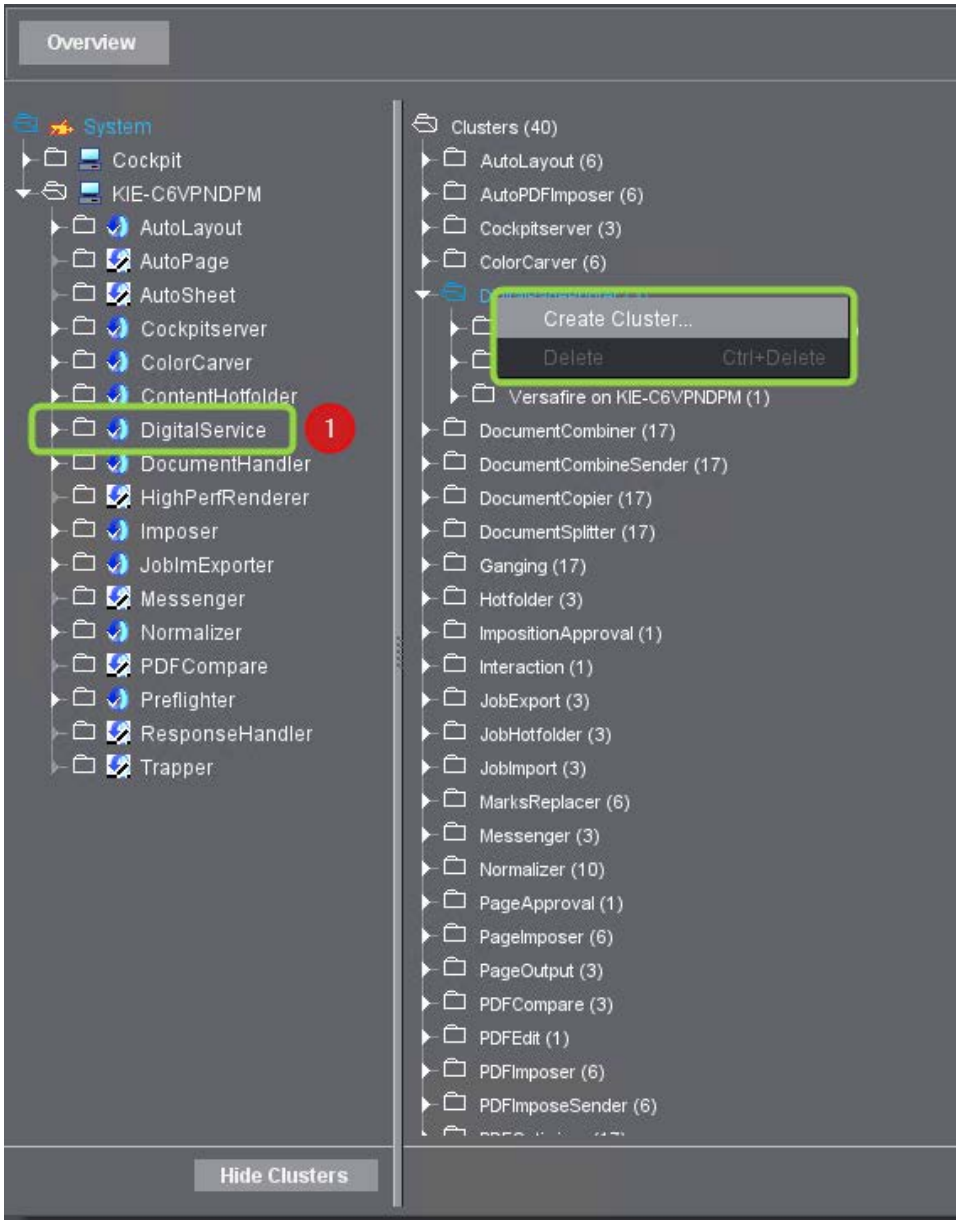
Note: When setting up a cluster, you should ensure that the presses involved have the same properties, e.g. that they have the same paper format, the same substrates and the same inks and, if necessary, the same finishing options, as presses configured in the cluster are operated in "load balancing". "Load balancing" means that a decision is automatically made

as to which press is to be activated based on the current workload during operation. However, some properties of the presses can be configured as selection criteria for the automatically controlled presses. See also "Cluster setup", page 47.

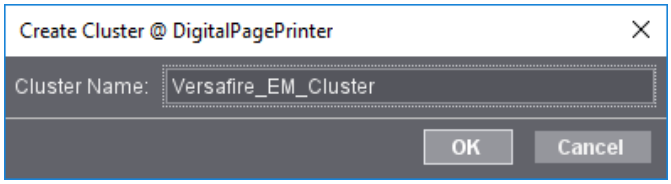
Prerequisite: The Prinect system environment contains a minimum of two suitable and configured digital printing presses. In the following example, two Versafire EM digital printing presses are to be combined to form a cluster. You can also set up clusters of digital printing presses of other types in the same way.

Proceed as follows to set up a cluster of digital printing presses:

1. Open the "Administration > System" view in Cockpit, select the Prinect Server entry in the structure display on the left and click on the "Show Clusters" button.
2. Select the "DigitalPagePrinter" entry in the right-hand window area and call up the "Create Cluster" context menu command.

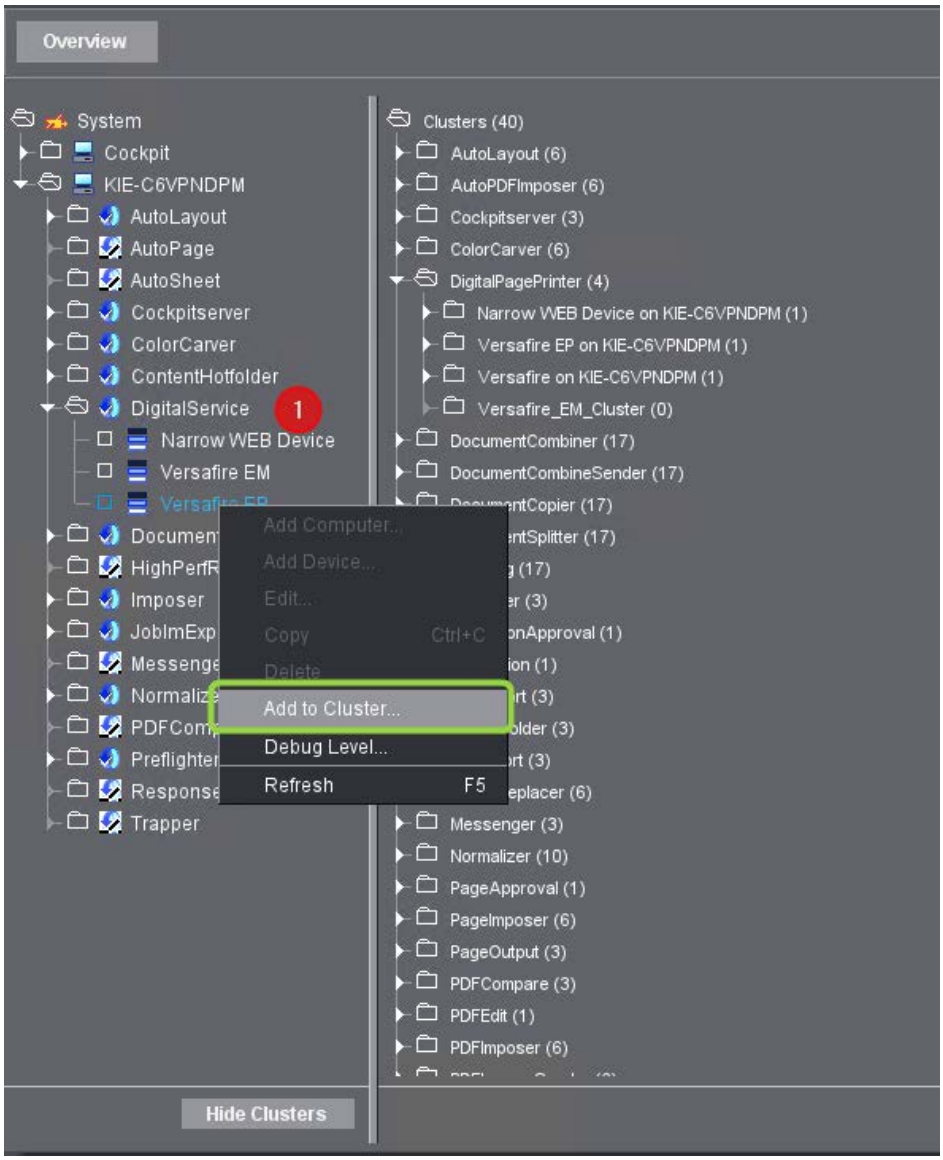


3. Enter a descriptive name for the cluster and confirm with "OK".

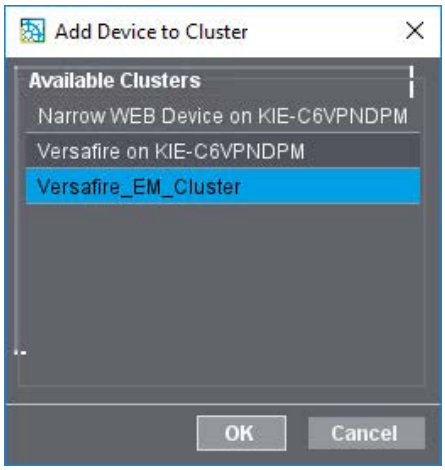


The cluster is being created. You must now assign presses to the cluster.

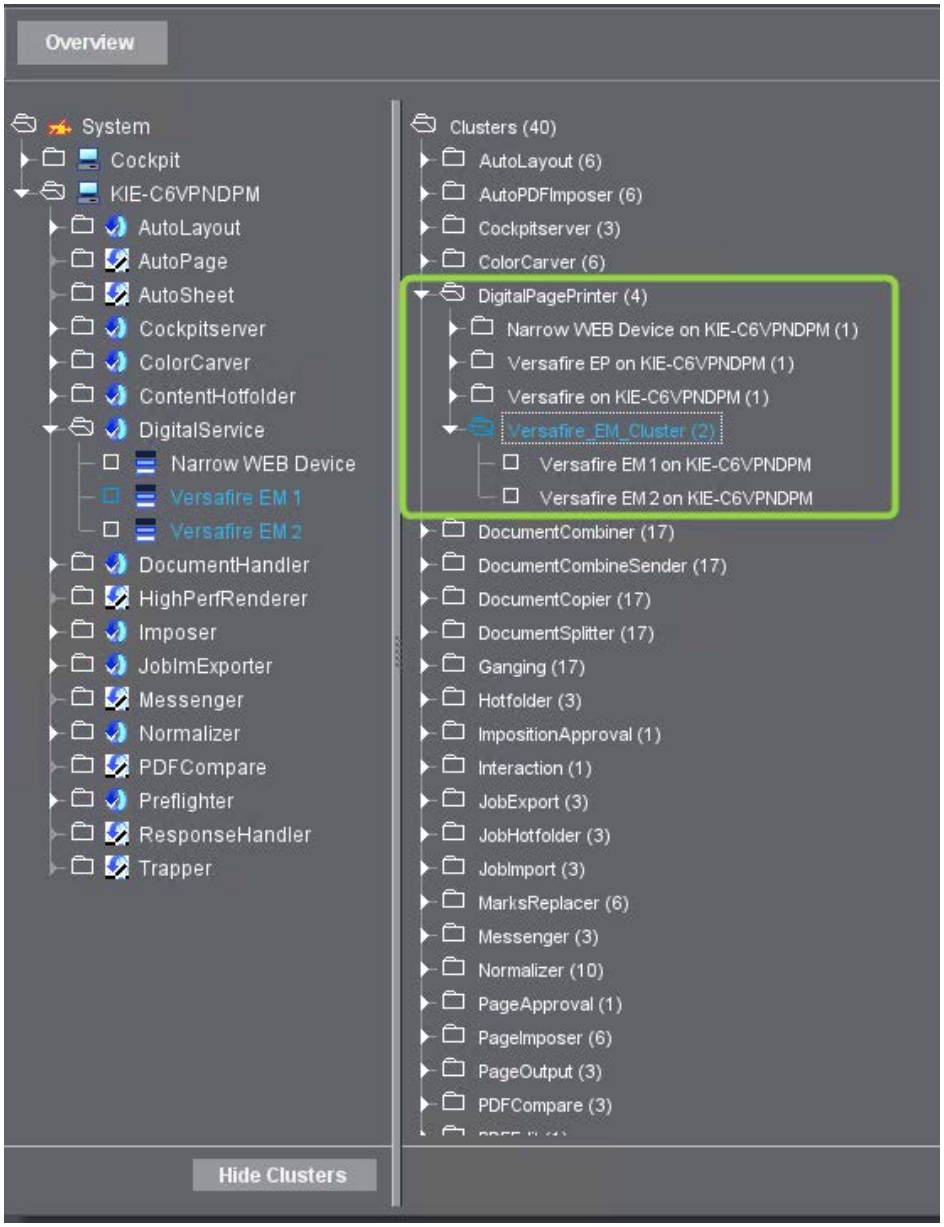
4. Select the first press in the left-hand window area under "DigitalService" (1) and call up the "Add to Cluster" context menu command.



The "Add Device to Cluster" dialog opens:



5. Select the cluster you created, "Versafire_EM_Cluster" in our example, and confirm with "OK".
6. Repeat steps 4 and 5 also for the second press. Both presses are now part of the cluster.
7. To check the configuration, click the triangle preceding the "DigitalPagePrinter" entry in the right-hand window area. The contents of this entry displays. To view the two digital printing presses, click the triangle preceding the "Versafire_EM_Cluster" entry:



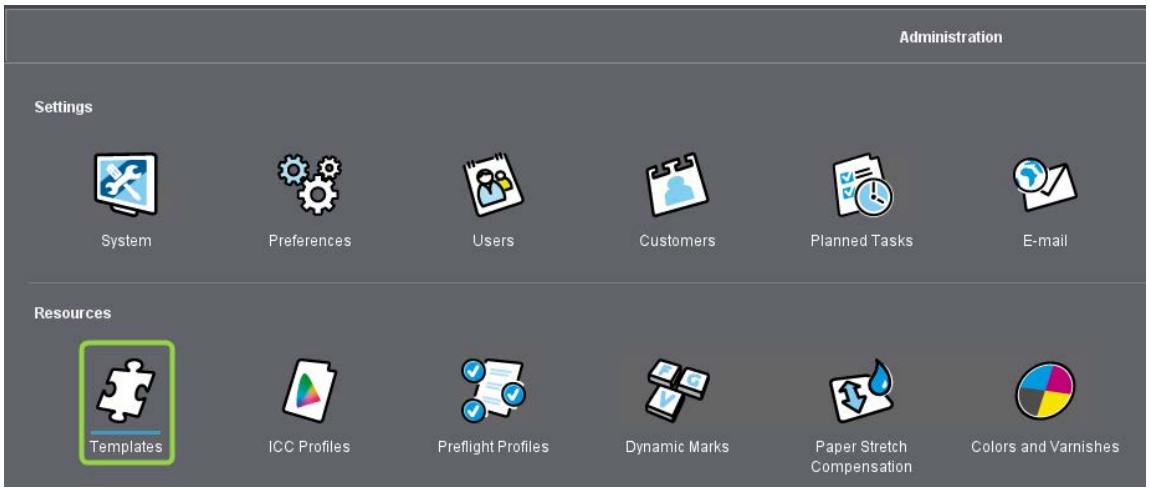
8. You can now toggle to the "standard" representation by clicking "Hide Clusters".

Configure Sequence Templates

Prerequisite: To ensure that a "PagePrint" sequence template required for digital print output is available, a suitable digital printing press must be set up in the Prinect system. In addition to installing the press, the press must be set up in Prinect Cockpit in the "Administration > digital printing presses" view. You will find details about the connection of digital printing presses in the Online Help of the Prinect Cockpit in "Connecting Machines > Connecting digital printing presses". You can also set up clusters for Jetfire 50 or Versafire digital printing presses (EV and EP or later). See "Setting up a cluster of digital printing presses", page 27.

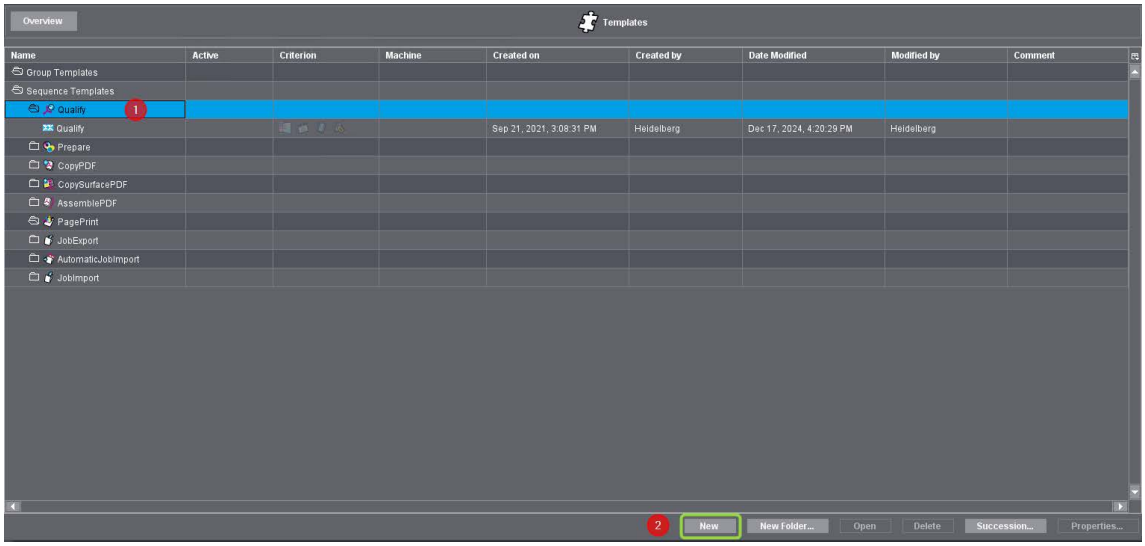
To configure the sequence templates needed for the examples below, proceed as follows:

1. Go to "Administration" and click "Templates".



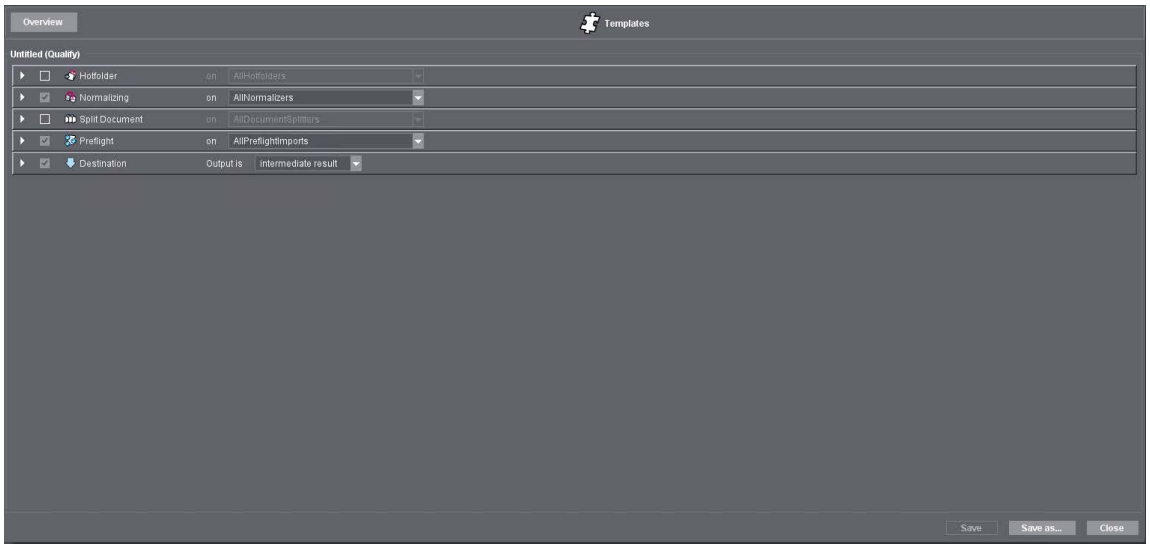
2. The "Templates" window opens. Click the folder icon beside "Sequence Templates" to display the single sequence items.

Configure a Qualify Sequence



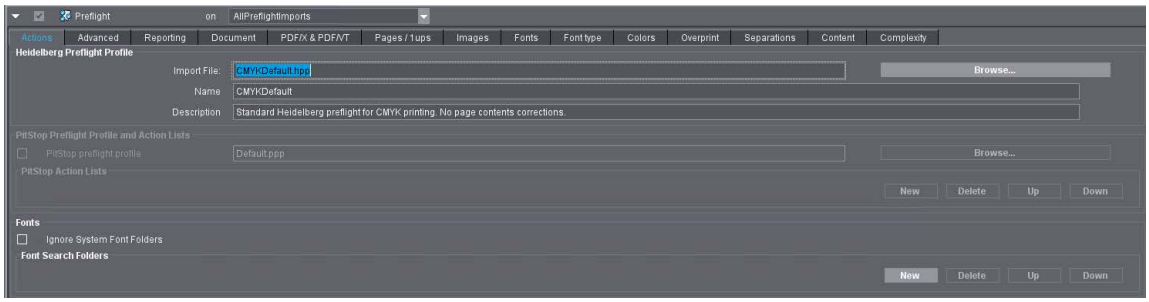
1. Highlight the "Qualify" sequence type (1) and click "New" (2).

   The setup section for a new Qualify sequence opens:

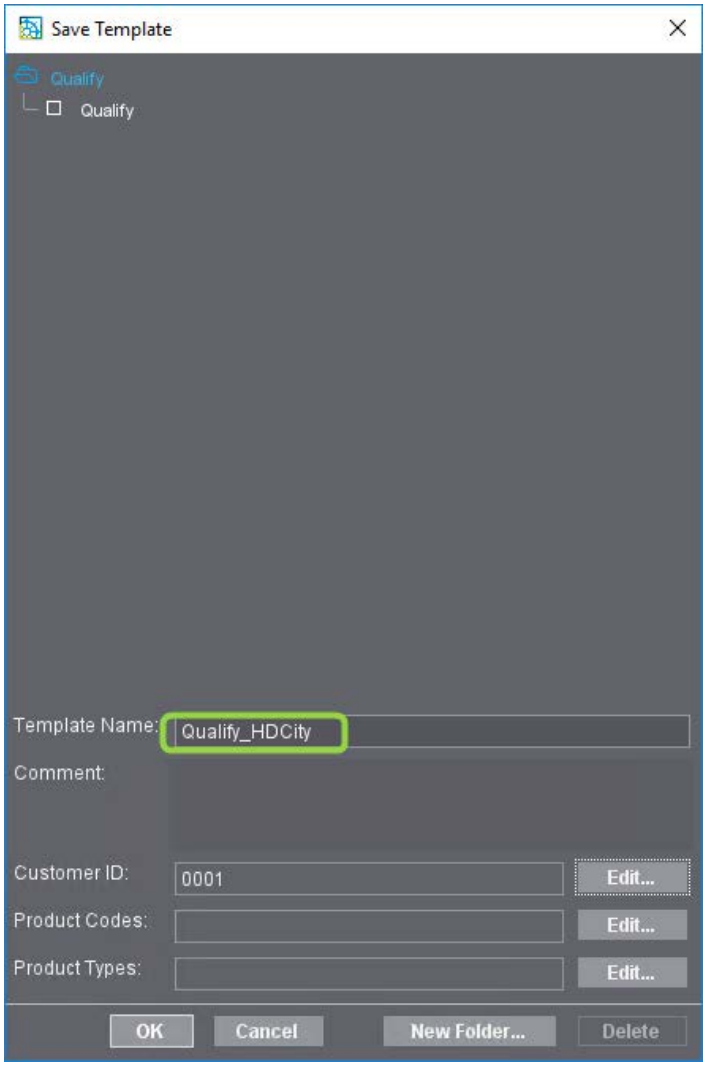


   Set up the parameters for this sequence as follows:

2. Leave "Normalizing", "Split Document" and "Destination" disabled or as they are.
3. Enable "Hotfolder" and leave the defaults as they are.
4. Enable the "Preflight" option and display the parameters by clicking the small triangle before the check box.
5. Click "Browse" in the "Heidelberg Preflight Profile" section of the "Actions" tab. Select the "CMYKDefault.hpp" profile.



6. Click "Save as". The "Save Template" dialog opens:



7. Type in "Qualify_HDCity" as the name and select "HD Printshop" as the customer with "Edit" in "Customer ID". All the customers registered in the Prinect customer administration are offered for selection. The respective box is completed with the customer ID (0001 in the example). Confirm the "Save Template" dialog with "OK".
8. Click "Close". The template overview displays.

Configure a PagePrint Sequence

Prerequisite: A "PagePrint" sequence type is available only if at least one digital printing press – a Jetfire 50 digital printing press in our example – is connected to and set up in Prinect Production.

In the "Templates" view, highlight "PagePrint" in "Sequence Templates" and click "New".

"Accept approved pages only" Option

This option is intended for an approval workflow in which the customer or a print shop employee must approve the prepared documents before the print output is started. If this option is enabled, only PDF pages with an "approved" status will be processed in the workflow. You will find more details about the approval workflow in the Cockpit Online Help. We will leave this option disabled.

"AutoImposePDF" Option

This option is always enabled and cannot be modified. It ensures that all document pages are always assigned to the corresponding page list placeholders in digital printing. The page lists are generated automatically according to the number of pages and page format defined in the job settings. In the Prinect offset printing workflow, the content pages of the supplied document files normally have to be assigned to the page placeholders of a page list in a special imposition work step. For this purpose, the required page lists are generated manually or taken from an imported sheet layout. In digital printing, this imposition process is carried out automatically with the "AutoImposePDF" option.

"Digital Printing" option

With this option, you can set up parameters for paper, pages, layout, print marks, color settings as well as print and finishing settings and save them as a template. These settings are applied later when configuring the "Digital printing" work step in the open job and can be customized there.

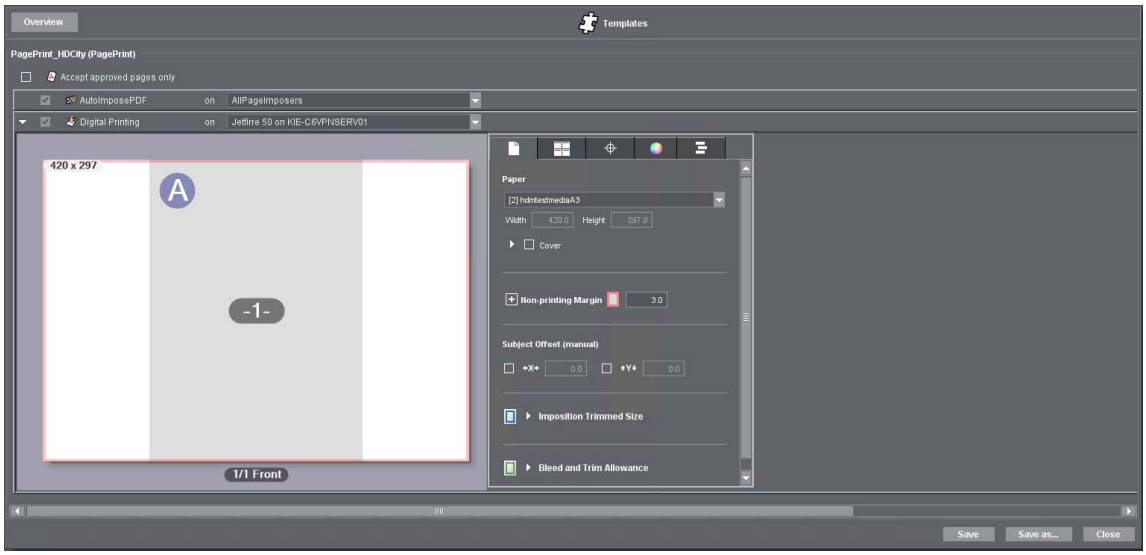
Digital Printing Press selection

In the "on" list box select the digital printing press for which you will set up this PagePrint sequence template. If there is only one digital printing press in the system, this press will automatically appear here.

Note: If several digital printing presses are combined into a cluster, you can select a cluster of digital printing presses instead of a single digital printing press in the "on" list box. See also "Setting up a cluster of digital printing presses", page 27. In this case, the digital printing presses in the cluster are then controlled with the parameters of this PagePrint sequence and operated in load balancing mode.

Configuration of paper and page settings

1. Open the "Digital Printing" step and set, for example, an A3 paper type as the paper in the "Paper and page settings" tab:



The paper types are set up at the digital printing press or at the PRISMAsync front end, and the paper data is sent to Prinect Cockpit. You can select the paper type in the "Paper" list box. If you change the paper size, the new size displays at once in the preview pane.

2. On Jetfire 50 digital printing presses it is possible to print the cover pages (the first two and last two pages of the PDF document) on different paper. You must enable the "Cover" option to use this function. You can then expand the respective parameter section and make your settings. In the example, the cover pages are to be printed on the same paper as the content pages.

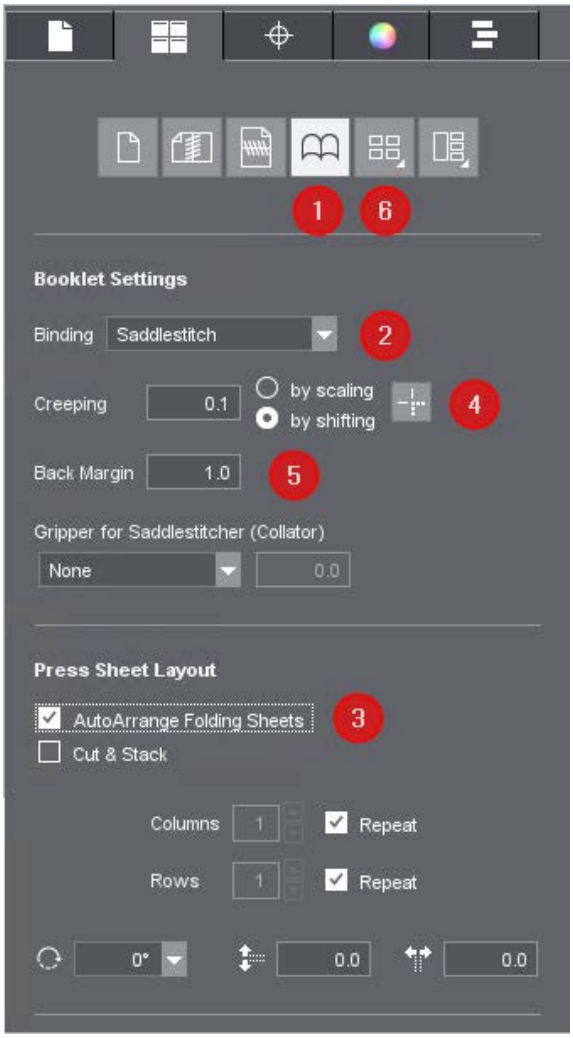
Note: In the page preview, the cover pages are highlighted by a dark yellow label.

3. Leave the option "Non-printing Margin" unchanged (0.0). It can be a good idea for some jobs to specify a non-printable margin to prevent, for example, so that logos or business cards, for example, are not printed right up to the edge of the paper.
4. Leave "Subject Offset (manual)" disabled.

Note: This option lets you manually set the horizontal and vertical spacing between the single subjects on the printing material. You can use this, for example, for label or business card printing.

5. In "Imposition Trimmed Size" leave "From PDF" as it is. Likewise, leave "Scale" as "100%" and "Page Policies" as "Fit to Size". "Expected Orientation" is set to "Portrait" and cannot be changed if "From PDF" is set.
6. In the "Bleed and Trim Allowance" section enter 3.0 mm in the "Bleed" box. Then hit the Tab key. The new value is applied to the preview. Set "Trim Allowance" to "Automatic".

Configuration of the layout settings

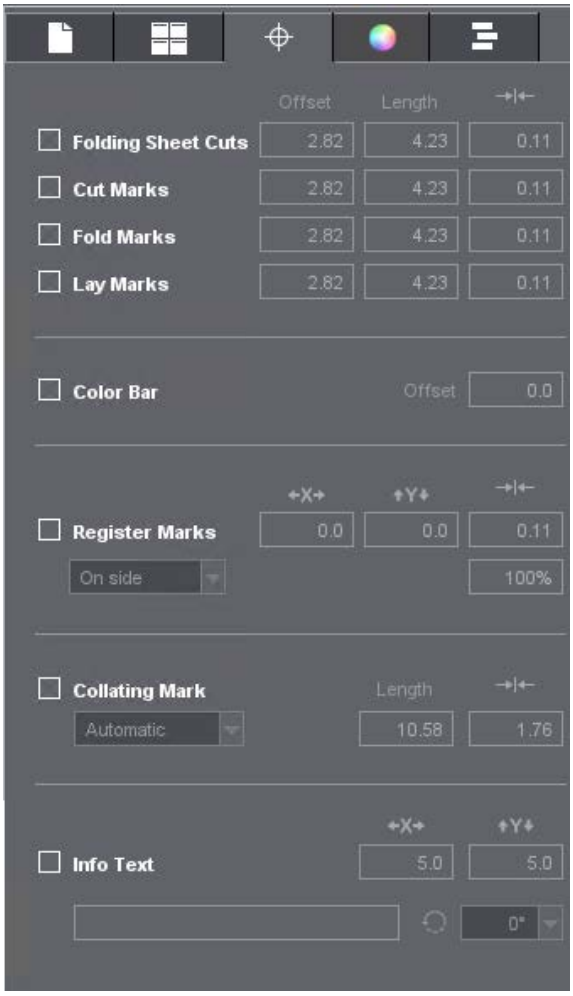


1. Go to the "Layout settings" tab and select the "booklet layout" (1).
2. Select "Saddlestitch" in the "Binding" list box (2).
3. Enable "AutoArrange Folding Sheets" (3).
4. Enter a value of 0.1 mm in "Creeping" (4).
5. Enter a value of 1.0 mm in "Back Margin" (5).

Leave all other settings as they are. You can find more details about each of the options in the Cockpit Online Help.

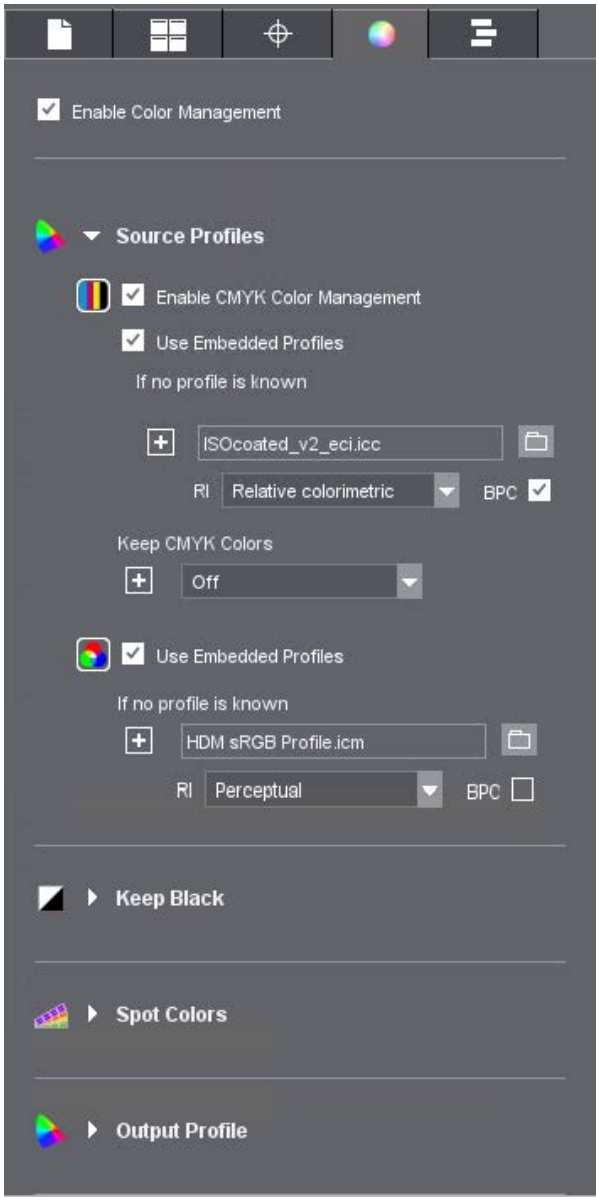
Note: Use the "custom layout scheme" button (6) to open the Layout Scheme Editor where you can create a custom layout scheme. You can find details about this in the Cockpit Online Help (F1 key).

Configuration of the print mark settings



1. Go to the "Print mark settings" tab. Because no print marks will be used in this example, leave all the options disabled or disable any checked options.

Configuration of the color settings



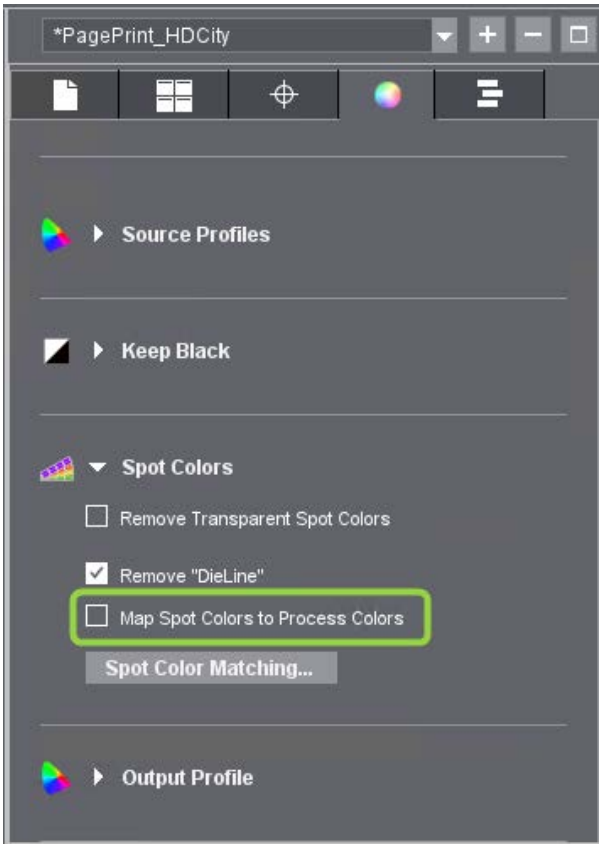
1. Go to the "Color Settings" tab. For Jetfire 50 digital printing presses, you can choose between two different color management processes:

   · **Enable** the "Enable Color Management" option to use the HEIDELBERG Prinect color management. HEIDELBERG Prinect color management always transforms all color spaces defined in the job into an (L*a*b*) intermediate color space.

   If the **"Enable Color Management" option is enabled**, Prinect color management converts the colors via the intermediate color space into the output color space of the press. In this case the PRISMAsync color management is disabled.

If the **"Enable Color Management" option is disabled**, the color management of the PRISMAsync front end uses the press and paper profiles to convert the colors directly into the output color space.

Caution: If the print job contains overprinting spot colors, it is **strongly** recommended to **disable** the option "Convert spot colors to process colors" in the "Spot colors" settings area or leave the option disabled. If this option is disabled, the overprint emulation of the PRISMAsync front end is used.



Note: If you use the Jetfire 50 digital printing press in a "hybrid" workflow, i.e. in a Prinect system environment with additional other presses, e.g. HEIDELBERG offset presses or Versafire digital printing presses and possibly an additional color proofer, the use of Prinect color management ensures that the same color management parameters (profiles and algorithms) are applied to all presses and proofers connected to the Prinect workflow for print output. This ensures consistent color treatment of all print jobs, even if different printing presses are used. We recommend enabling the HEIDELBERG color management.

- If "Enable Color Management" is **not activated**, the color management of the PRISMAsync front end is used instead of the Prinect color management. In this operating mode, there may be latency times during print output, especially when outputting PDF/VT jobs, as the conversion of the job colors to the intermediate color space must first be completed by Prinect color management before the job is submitted to the PRISMAsync

front end. After submission to PRISMAsync, Prinect can render the other job data somewhat faster than if the "Enable Color Management" option is activated, as the conversion to the output color space does not take place within the Prinect workflow.

2. Open the "Source Profiles" area.

   Leave "Enable CMYK Color Management" and "Use Embedded Profiles" enabled.

3. If needed, you can customize the "Keep Black", "Spot Colors" and "Output Profile" sections by clicking the respective triangles. These settings are not changed in our example. Details about these parameters can be found in the Cockpit Online Help.

Configuration of print and finishing settings

1. Go to the "Print and finishing settings" tab.
2. Different print and post-processing settings are available depending on the equipment of the press. Make settings according to the requirements of the print jobs that are to be processed with this sequence. Information on the print and post-processing settings can be found in the documentation for your press. Some configuration settings are described as examples in Cockpit Help.

Save sequence template

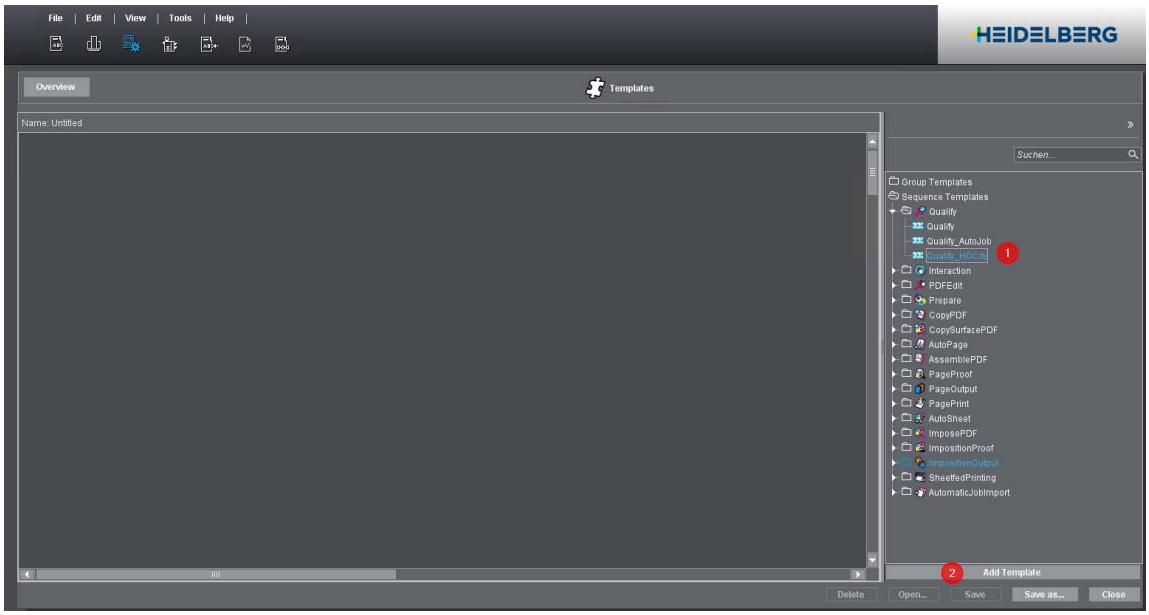
1. Click "Save as". The "Save Template" dialog opens.
2. Type "PagePrint_HDCity" in the "Template Name" box.
3. Assign the customer "HD Printshop" to the sequence template by clicking "Edit" next to the "Customer ID" field and confirm the dialog with "OK". The dialog box closes.
4. Close the PagePrint sequence by clicking "Close". The template overview displays.

Create a Group Template

For the processing of a job it is not absolutely necessary to create a group template but the use of group templates facilitates the processing of further print jobs that need similar processing steps. A group template will be created to illustrate how to define and use a group template.

1. In "Administration > Templates", mark "Group Templates" in the sequence overview and click "New".

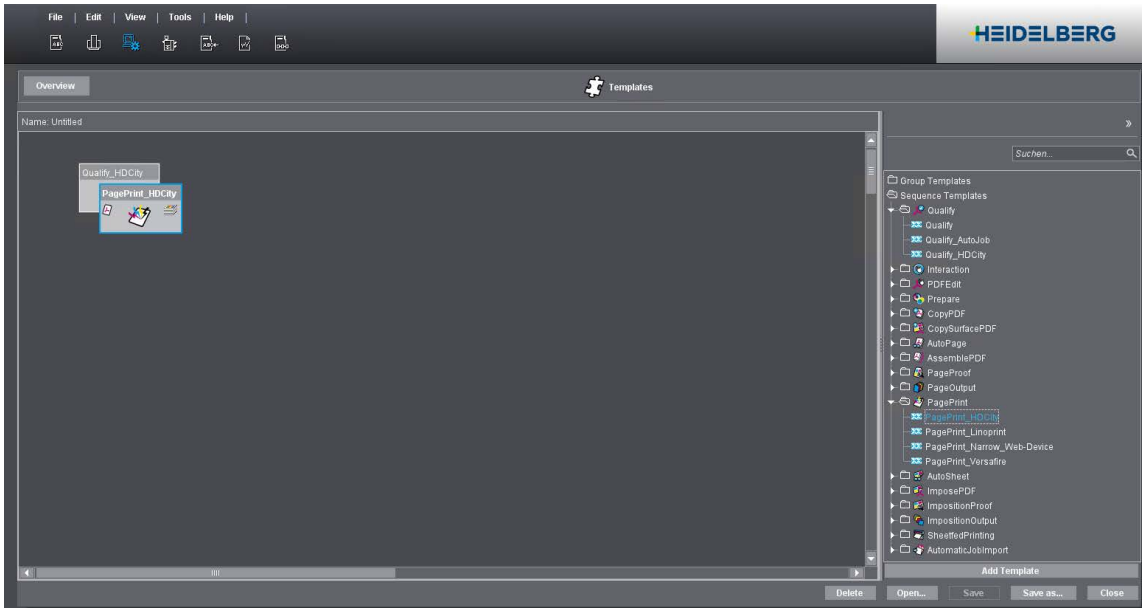
   The empty setup window of a group template opens.



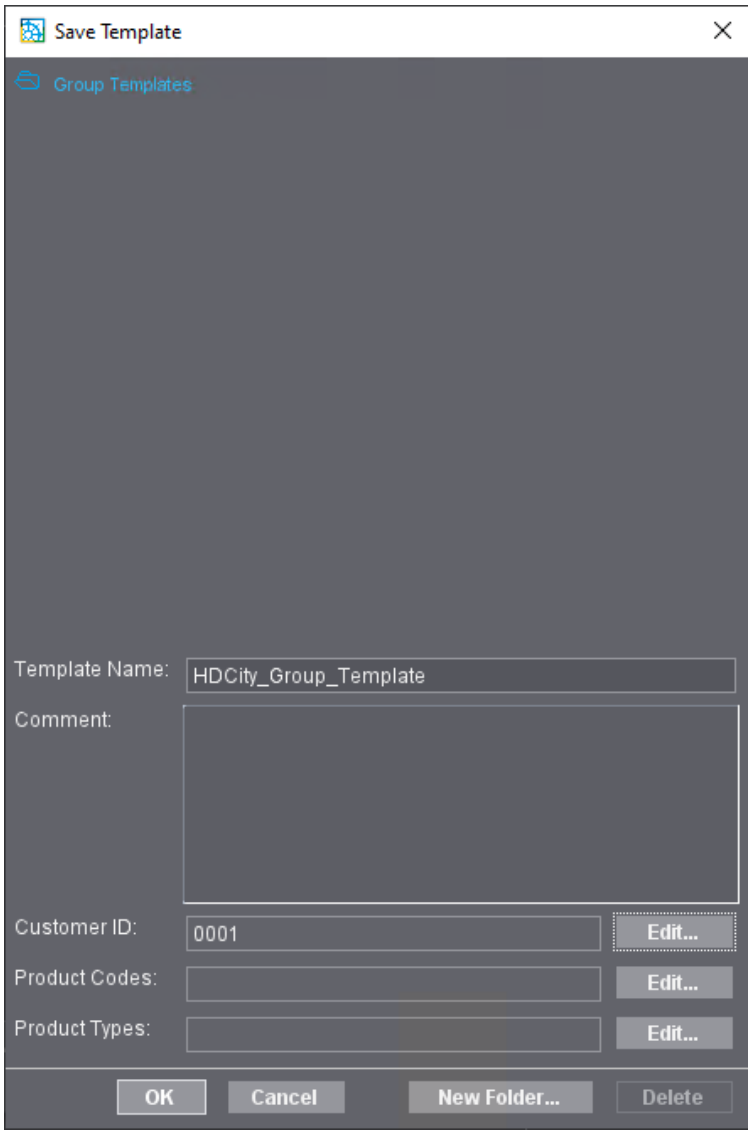
2. Open the "Qualify" folder and select "Qualify_HDCity" (1).
3. Then click "Add Template" (2).

   An icon for the Qualify sequence is created in the workspace.

4. Repeat steps 2 and 3 also for the "PagePrint_HDCity" sequence. The workspace now displays as follows:



5. In the workspace, select "AutoArrange" in the context menu. The icons are placed side by side and aligned.
6. Click "Save as". The "Save Template" dialog opens.



7. Type the name "HDCity_Group_Template" and assign the customer "HD Printshop" to the group template. Confirm the dialog with "OK". The dialog box closes.
8. Click "Close" to close the group template.
9. Click "Overview" to quit the "Template" view.

All the sequence templates needed for a basic workflow are now configured.

Configure the Digital Printing Terminal

The Digital Printing Terminal is the link between the submitted Prinect print job and the digital printing press. You will find details about the prerequisites and operation of the Digital Printing Terminal in the Online Help of the Prinect Cockpit (1).

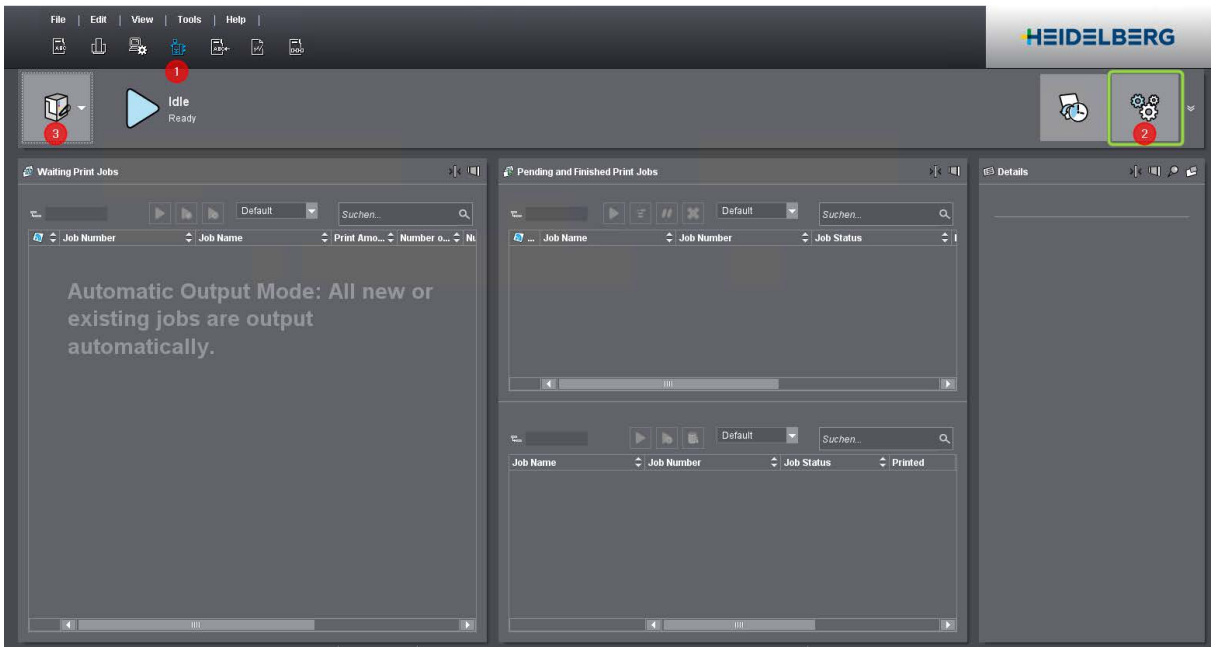
You can configure the Digital Printing Terminal for two modes:

- for the manual output mode or
- for the automatic output mode.

In the manual output mode, you can customize which print jobs will be sent in which order to the press.

In the automatic output mode, the print jobs are submitted automatically to the press in the order in which they arrive at the Digital Printing Terminal.

You open the Digital Printing Terminal by clicking its button (1) in the section toggle.



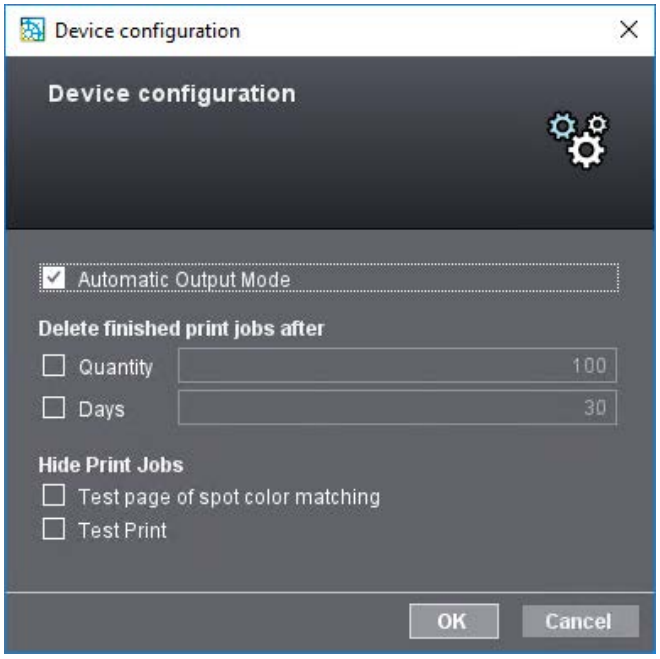
If more than one digital printing press, an additional CTP device, or a cluster of digital printing presses is set up in Prinect Production, you can select the output device or cluster you wish to control in the Digital Printing Terminal in the device list box (3).

The layout and the contents of the windows of the Digital Printing Terminal are refreshed if you change the output device. This means that the jobs and details of the new output device you set display in them.

Note: The "Jobs" view also has a "Digital Printing Terminal" section. This view is designed to give you a fast overview of the progress of digital printing. However, you cannot control printing from this view.

Controlling the automatic output mode

The automatic output mode is set by default after installation. You can switch to the manual output mode by disabling "Automatic Output Mode". To do this, click the "Device configuration" button (2). The "Device configuration" dialog opens:



You can disable "Automatic Output Mode" here. In this case, you must manually submit all print jobs to the press in the Digital Printing Terminal.

Note: Since the Jetfire 50 press should be "supplied" with print data **without interruption** as far as possible so that no unnecessary print head cleaning processes are triggered, as many pending print jobs as possible should be collected in the "Waiting Print Jobs" list before they are submitted to the Jetfire 50 press. To ensure this, it is **strongly recommended** to **disable** the "Automatic Output Mode" option and submit the collected print jobs **manually** to the press. In automatic output mode, each incoming print job is automatically submitted to the presses as soon as the previously pending jobs have been printed. If there is a "pause" in this operating mode during which no print jobs arrive at the Digital Printing Terminal, a print head cleaning process is started.

Controlling a cluster configuration in the Digital Print Terminal

Prerequisite: In order to be able to configure and use a cluster of digital printing presses in the Digital Printing Terminal, at least one such cluster must be set up. See "Setting up a cluster of digital printing presses", page 27.

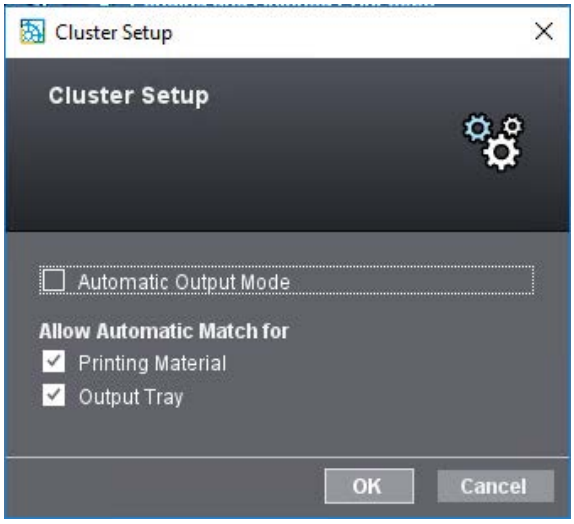
If you want to use several digital printing presses in a cluster, you can configure the type of distribution of print jobs to the machines in a cluster in the Digital Printing Terminal. To do so, click the "Device Selection" button. The cluster of these digital printing presses is offered in the device list box

(3). Click the cluster in the list box. Make sure not to select any presses in the sub menu. Now you can configure the entire cluster. In a cluster, the print jobs can be distributed among the single presses of the cluster by different criteria. In this way, the machines of a cluster can be used more efficiently than individual machines. You configure the distribution details in the "Cluster setup" dialog. Click the respective button to open the "Cluster Setup" dialog:

When a cluster is selected, the view of the Digital Printing Terminal changes so that the icons of the machines contained in the cluster are displayed in the global status area next to the cluster name. In addition, only the "Print History" and "Cluster Configuration" buttons are available. In the cluster view, you can use the "Machine" column in each table for sorting or grouping.

When you click one of the machine icons of the cluster, the cluster view changes to the view of that machine.

Cluster setup



"Automatic Output Mode" option

The automatic output mode is enabled when you enable this option, i.e. incoming print jobs are submitted immediately to the digital printing press that meets the criteria enabled in "Allow Automatic Match for" and is the next one available.

If you disable this option, the print jobs submitted to the cluster first go to "Waiting Print Jobs". Here you can use the "Start with settings" context menu command to select the machine of the cluster on which the output is to take place from the "Machine" list box if required.

Prerequisite: The list box is available only if a cluster is selected in the device selection.

Dialog "Cluster Setup": "Allow Automatic Match for" options

You can use these options to define automatic distribution of print jobs. When you enable one or more of these options, the print jobs are automatically distributed according to the enabled criteria. Different options can be displayed depending on which presses belong to the cluster:

- Printing Material

  Printing material parameters such as size, grammage, paper type, grain direction, etc. are taken into account when selecting the press. Depending on the setting of these criteria, the press whose printing material settings are best suited to the job in question is selected.

- Output Profile

  When this option is enabled, output is matched to the default ICC profile of the selected paper on the press. However, this matching is done only if the machine type automatically assigned differs from the machine type originally assigned or if there was a change in paper.

- Quality Options

  When you enable this option, print jobs are also submitted to machines in a cluster that do not have quality options like "Edge Enhancement" or "Maximum Inking", even if these parameters were enabled for the submit process. In this case, these quality options are ignored.

- Output Tray

  When you enable this option, printing is automatically matched to the existing output tray parameters of the press in the cluster. Finishing options like stitching, punching or folding are always taken into account. This means that if a machine in the cluster does not have the finishing options configured in the job, it is not automatically selected.

Automatic Workflow in the Hotfolder Mode

Another variant of automated job processing works using special folders called "hotfolders". A new print job is created automatically whenever document files enter such a hotfolder. You can find details about this workflow in the chapter "Automatic Creation and Output of Print Jobs in the Hotfolder Mode", page 73.

Automatic Workflow by Dragging-and-Dropping Document Files

You can use Prinect Production for automated job processing where new print jobs are created automatically when you drag-and-drop document PDFs in the job list of Cockpit. In this process, it is enough to save the required sequences as a template in a new print job. You can find details about this workflow in the chapter "Automatic Creation and Output of New Jobs using Drag-and-Drop", page 91.

Create a Print Job manually

This chapter shows how to create a print job (example: "HDCity" booklet) manually and process it up to printing.

Note: The examples shown in this documentation solely demonstrate operation and must not be understood as imperative instructions.

Create and Edit a Job

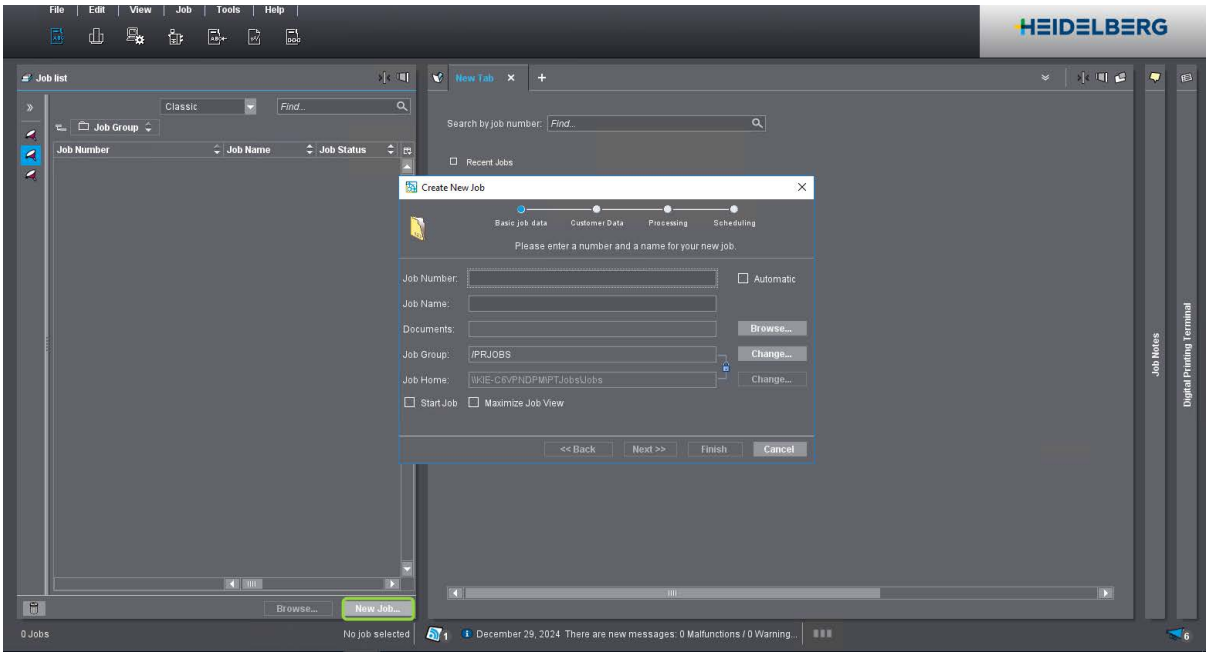
After you prepared the sequences that are needed (see the section "Configure Sequence Templates", page 31), all the prerequisites required for creating a new job are met.

Prerequisite: All the prerequisites required for creating a print job in the Prinect DFE are listed once again below:

- The document file(s) to be printed: HD_City.pdf in our example
- Customer: HD Printshop
- Sequence templates: "HDCity_Group_Template" with "Qualify_HDCity" and "Page-Print_HDCity" sequences.

Create a New Job

1. In the Prinect Cockpit, go to "Jobs" and click "New Job". The "Create new Job" dialog opens:



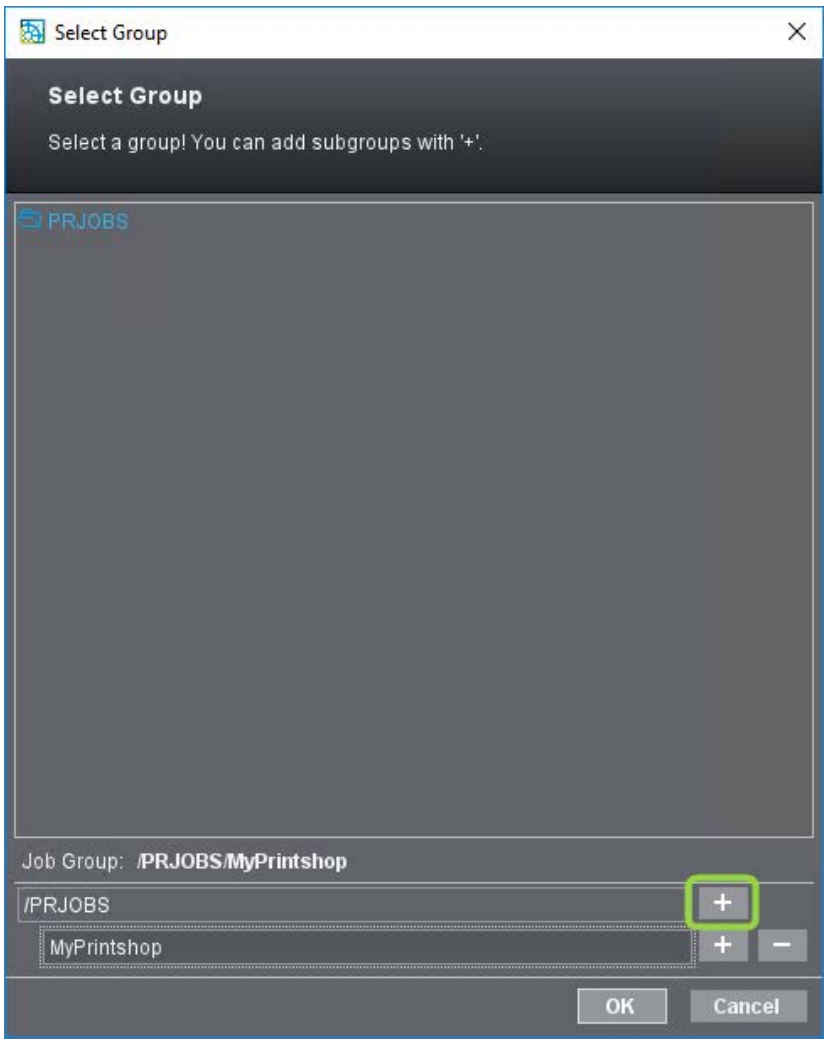
2. This dialog has four views that you can go between with "Next" or "Back". First fill out the boxes in the "Basic job data" view.

   · Assign a job number. You can take the job number, for example, from the job ticket of a customer job. Job numbers must be unique in the Prinect system environment. This means that each job number can be assigned only once. In this example, we will assign "HD0001" as the job number.

   · Your next step is to assign a job name. Job names as well must be unique. When you go to the "Job Name" box, the job number is copied automatically to this box. You can use the job number e.g. as a prefix for the job name or overwrite it. We will assign "HD0001_HDCity" as the job name.

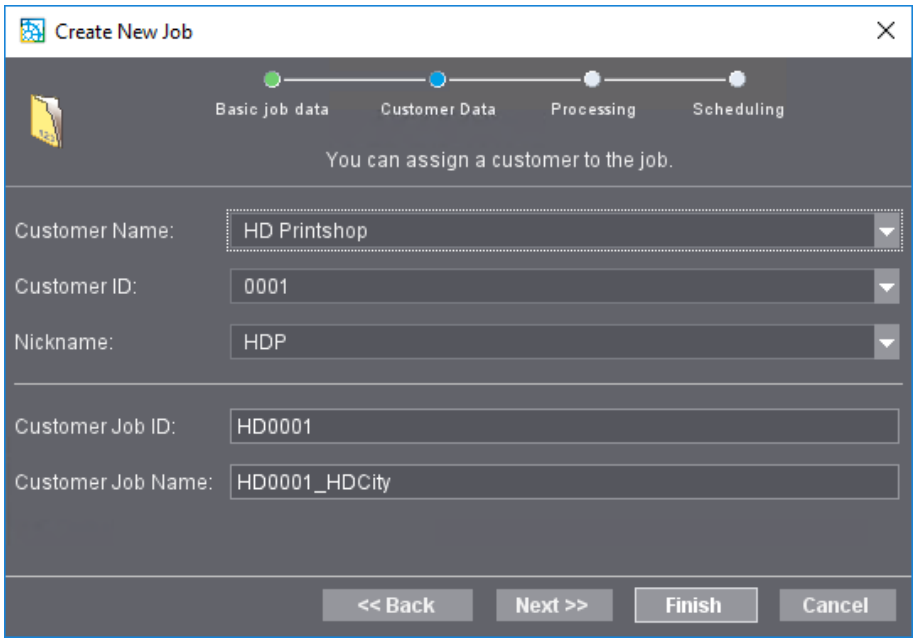
   · In the "Documents" box you could now assign the documents (supplied by the customer) to the job. You can also do this step later in the created job. We will not assign any documents at this point.

   · By default, "Job Group" and "Job Home" are linked. This means that if you define a new job group, a folder of the same name will be created automatically for this job group. We want to create a new job group and click "Change". The "Select Group" dialog opens:

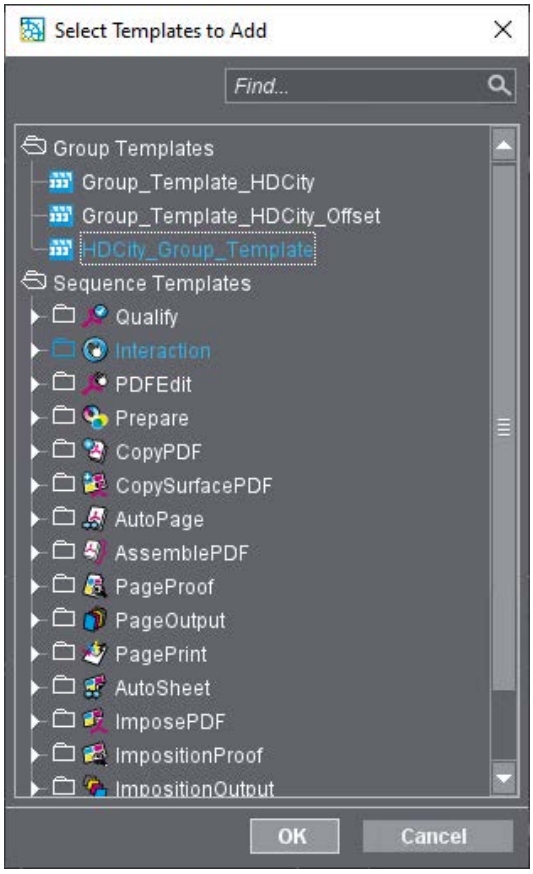


- Click the plus sign beside "PRJOBS". Another edit box displays.
- We will assign "MyPrint-shop" as the group name and click "OK". The "Select Group" dialog closes.

3. Enable the "Start Job" option. Leave "Maximize Job View" disabled.
4. Click "Next" to open the "Customer Data" view:

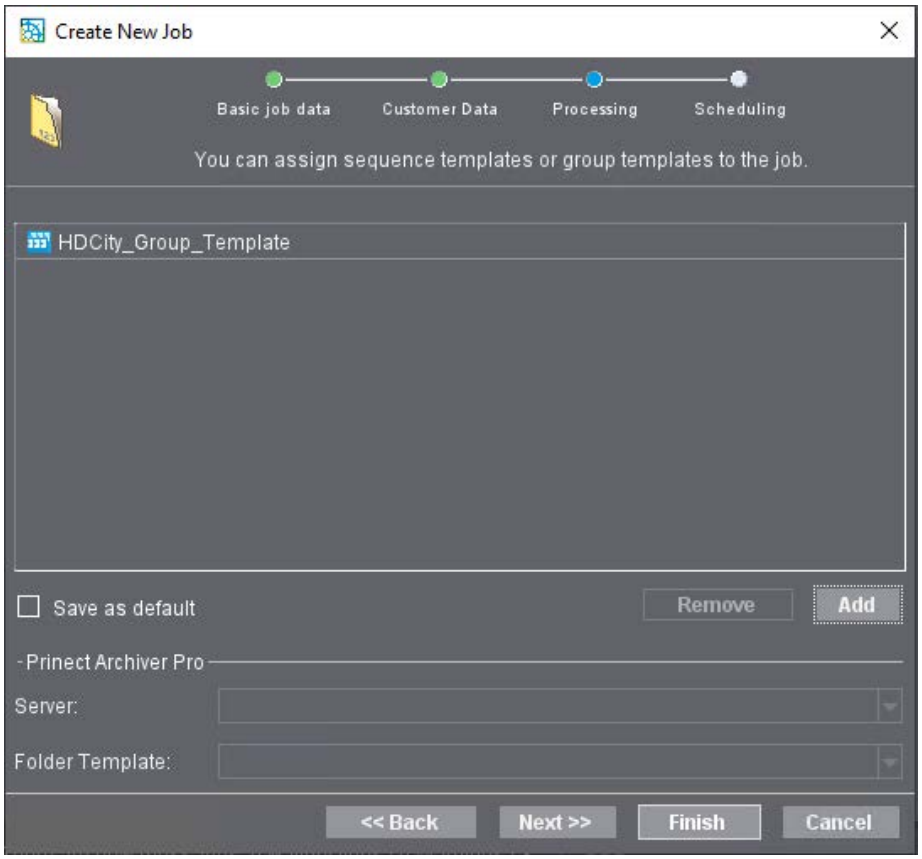


5. Select "HD_Printshop" in the "Customer Name" list box. This item is taken from Prinect's customer administration. "Customer ID" and "Nickname" are also taken from there. "Customer Job ID" and "Customer Job Name" are copied from the basic job data you defined beforehand. You can overwrite these items if you have other customer job data that differ from the job data set in the Prinect system. We will leave these items as they are.
6. Click "Next" to open the "Processing" view: In this view, you can add prepared sequence templates to the job. Click "Add". The "Select Templates to Add" dialog opens:

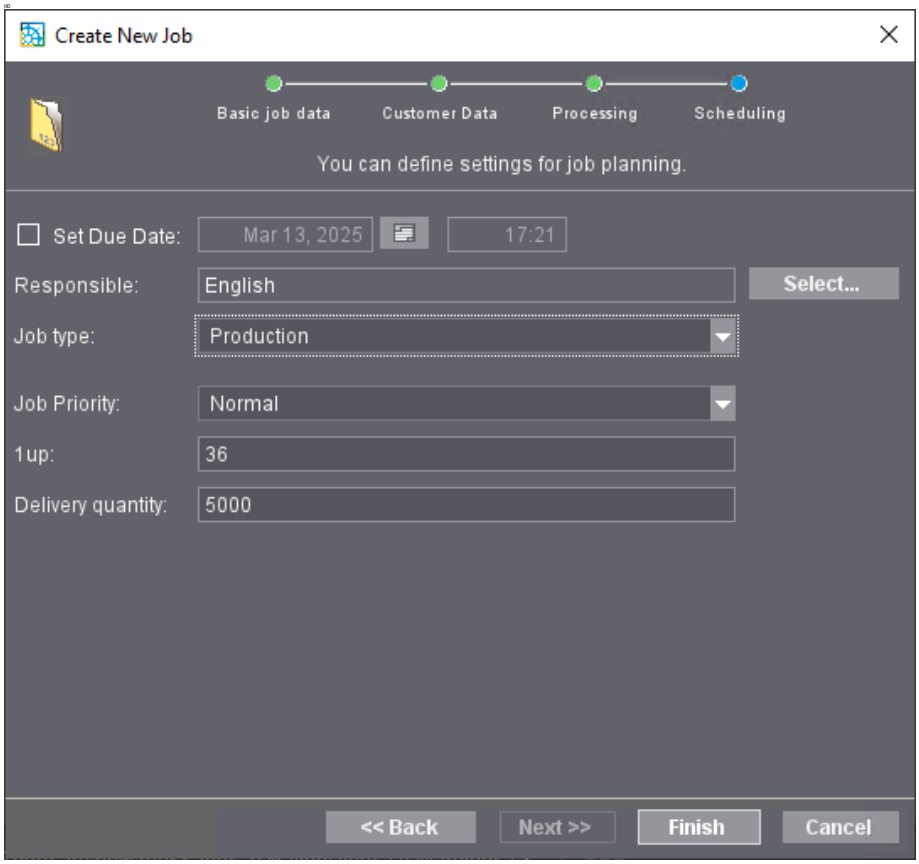


7. Select "HDCity_Group_Template" and click "OK". The group template contains all the sequence templates needed for processing this job.

Note: Instead of the group template, you could also add Qualify and PagePrint as separate sequence templates. In this case, the same functionality would be available.



8. Enable "Save as default". In this case, the "HDCity_Group_Template" will be automatically assigned to all new print jobs that you create in future. If required, you can undo this assigned template by marking the group template and clicking "Remove" and then assign other sequence templates or group sequence templates. In addition, the group template is enabled for automated job processing. See chapter "Automatic Creation and Output of New Jobs using Drag-and-Drop" and chapter "Automatic Creation and Output of Print Jobs in the Hotfolder Mode". Click "Next".
9. The "Scheduling" view opens. In this view, you can select the person responsible, enter a due date, set the job type and assign a job priority. Leave these settings as they are. Enter "36" in the "Pages" or "1Ups" box. Enter "5000" in the "Delivery quantity" box.



10. All the data needed for creating the new job are now entered. Click "Finish".

The new job is created and opens in the "Job" view. Double-click the caption bar of the "Job" view to maximize the width of the window.

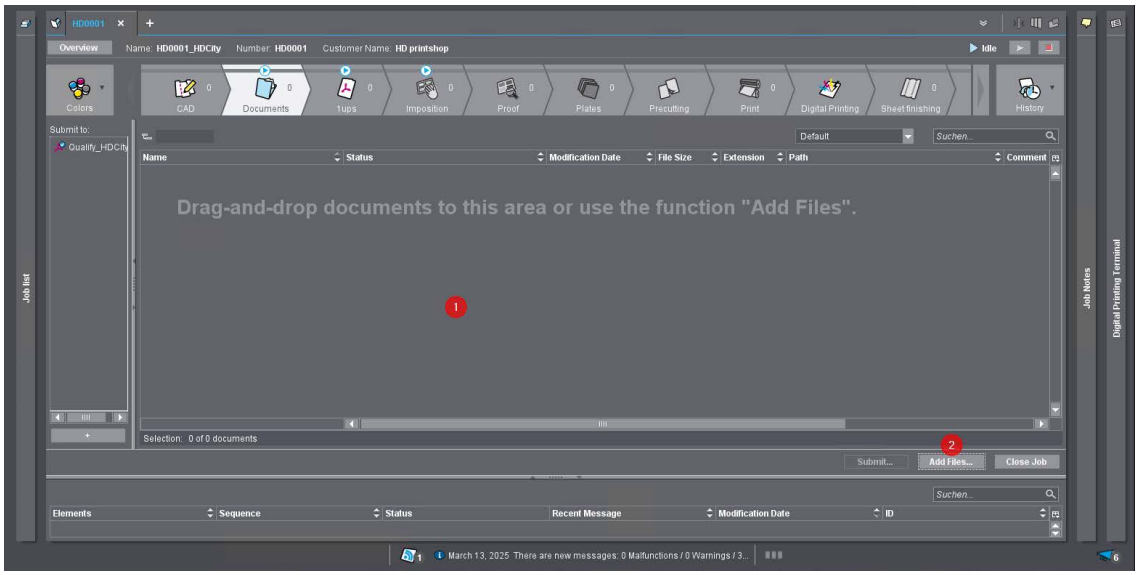
Note: In the "Job" view, several jobs can be open at the same time. Each job opens in its own tab. You can open another tab by clicking the "plus" sign above the job tabs. In this new tab, you can open another job without closing the jobs opened so far. You can find more details about this in the Cockpit Online Help
"The HEIDELBERG User Interface > The Cockpit User Interface > Open Jobs View".

Edit a New Job

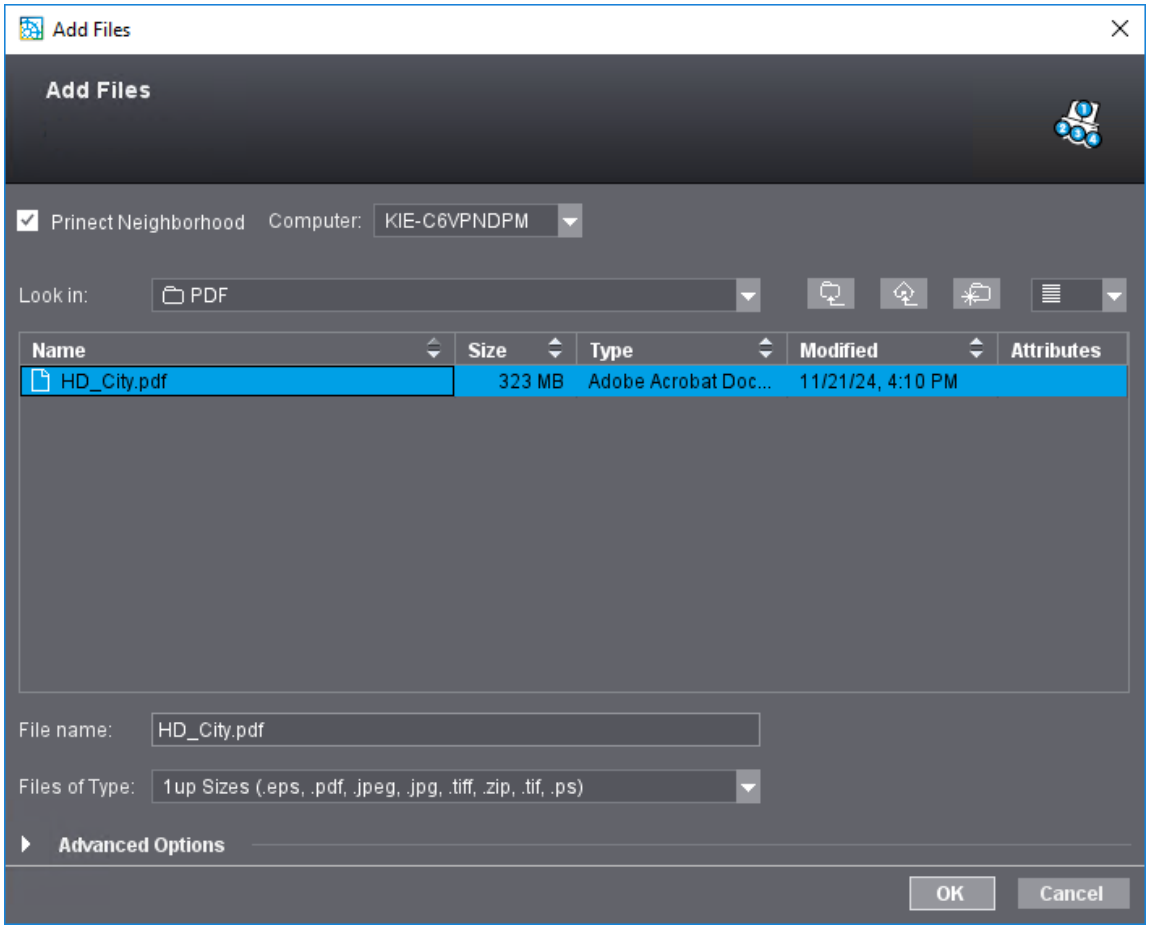
After you created the new job, you must run some steps in the open job.

Add documents

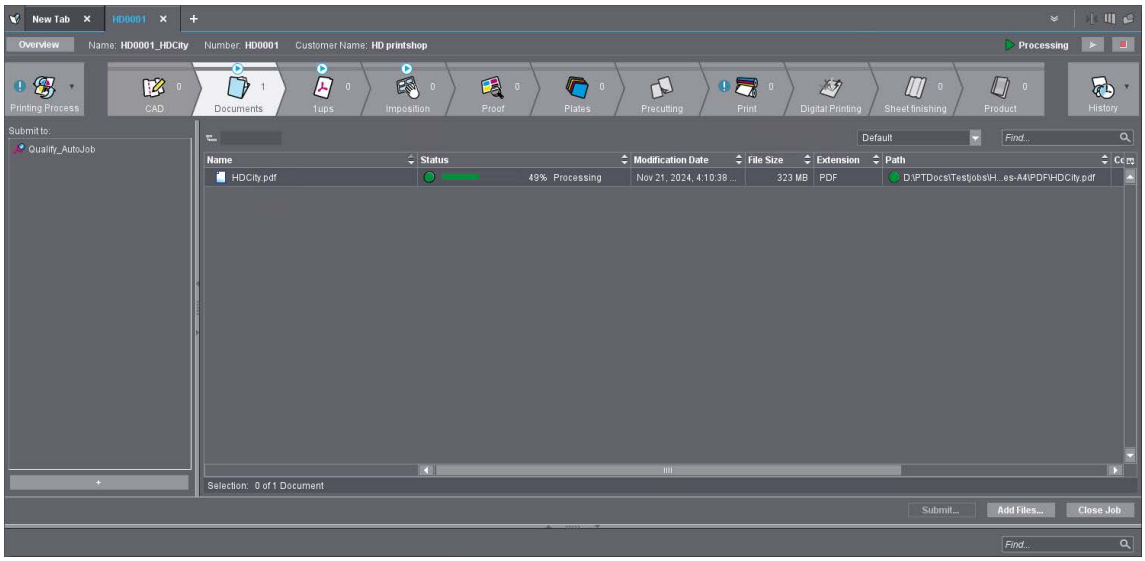
1. Go to the "Documents" step. In this step, the document files that will be edited and finally printed are copied to the Prinect workflow.



2. To add the document PDF files to the job, you can either drag-and-drop the files from the file system (Windows Explorer, Macintosh Finder) to the window (1) or you can open a file selection dialog with the "Add Files" button (2).
3. Click "Add Files". The "Add Files" dialog first displays the content of the "PTConfig" folder on the Prinect server.
4. In the "Look in" list box, go to the "PTDocs" folder of the Prinect server. Open the "Test-jobs\HDCity\PDF" folder here (this job is an example; you can also use other suitable PDF files).



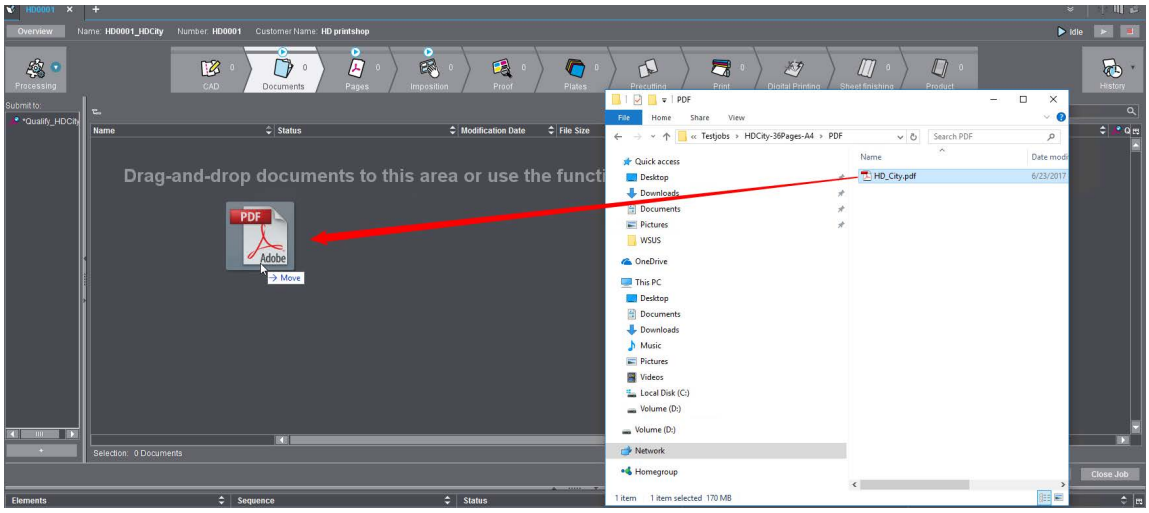
5. Highlight the "HD_City.pdf" file and click "OK". The PDF file is transferred to the "Documents" step and processed immediately with the "Qualify" sequence because the "Start job" option was enabled when the job was created. A progress bar visualizes the process status.



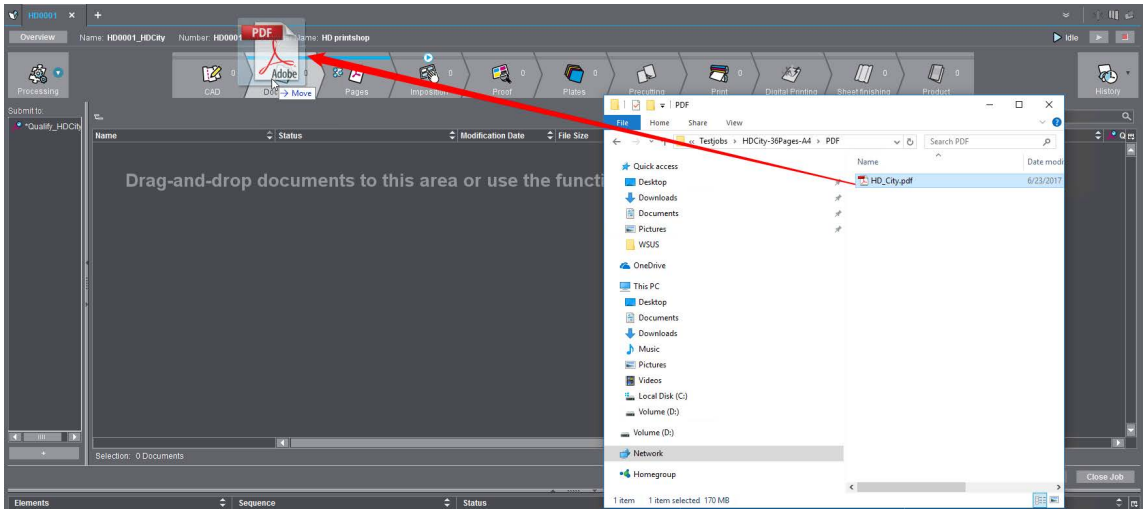
Add documents using drag-and-drop

As an alternative to the "Add files" button, you can also add PDF documents to the "Documents" step by dragging-and-dropping them from a Windows Explorer window (or Macintosh Finder window):

1. In addition to the Prinect Cockpit, open the Windows Explorer and go to the folder where the files you want are located.



2. In the example, mark "HD_City.pdf", drag it holding down the left mouse button to the "Documents" area in the open job or to the "Documents" icon and let go of the mouse button. Adding documents using drag-and-drop to the step icon works even if the step is not open at that moment.

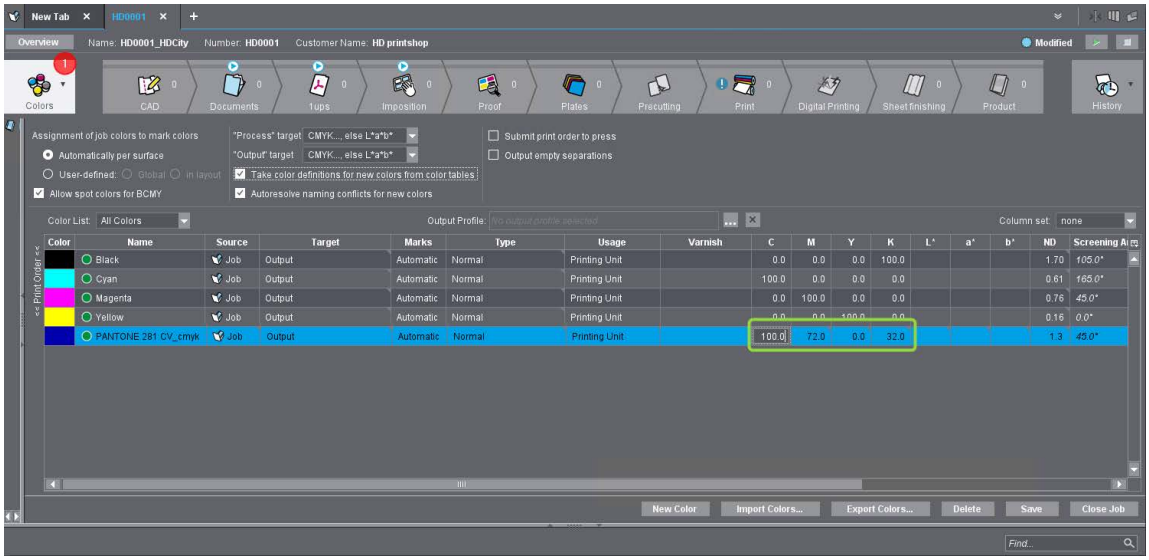


Because the job was activated before you added the files, the PDF documents are processed immediately by the "Qualify_HDCity" sequence. After processing is finished, the documents will have "Completed" as their status.

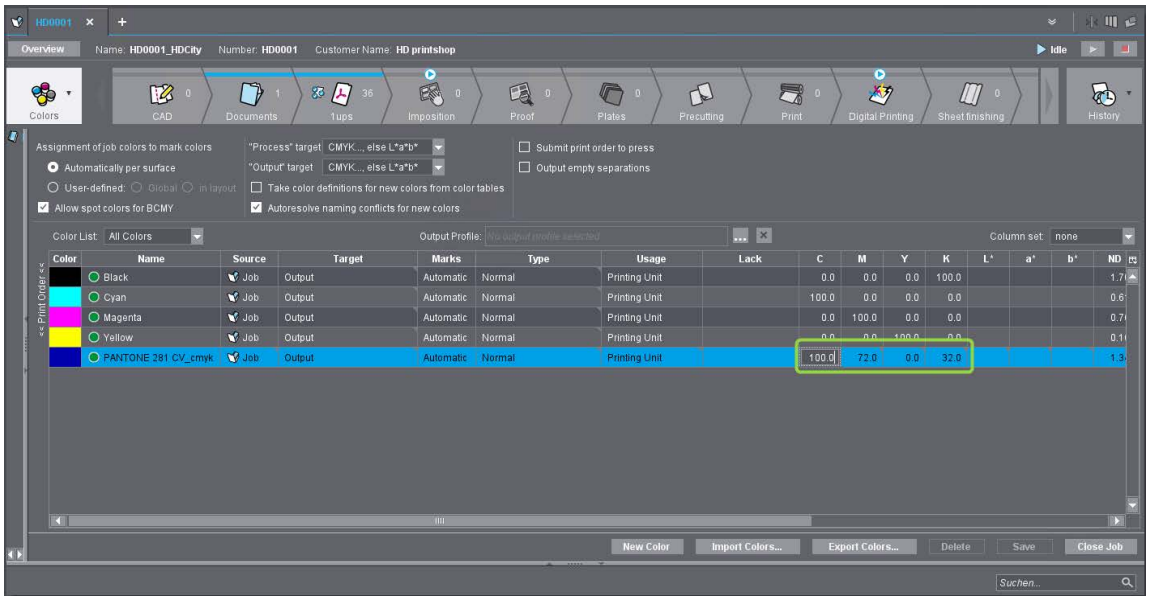
Edit colors

In the "Colors" parameter area, you can check, for example, whether the added documents contain spot colors. For digital printing, spot colors are normally replaced by the CMYK process colors – unless the digital printing machine has its own spot colors that correspond to the spot colors defined in the job. Normally, the PDF files contain the "recipes" for spot color replacement. In our example, we will show how you can define or modify a spot color replacement in the job settings.

1. Click the small arrow in the top left icon (1). A list box with parameter ranges available in the job opens. Select the "Colors" entry.



The colors specified in the loaded documents display in this view. For example, in the "HDCity" booklet, "PANTONE 281 CV_cmyk" displays as a spot color in addition to the CMYK process colors:



2. The CMYK mapping values for this spot color display in the relevant table columns. These values were already defined in the PDF files. You can overwrite the values for C, M, Y and K if you wish to change this "color recipe". The result displays immediately in the spot color patch.

   After your input, the information in the "Source" column switches automatically from "PDF" to "Job". This indicates that spot color replacement for this color no longer uses the definition in the PDF document but that it was modified as a "job setting" and is applied in this form to the current print job. You can create a new spot color with the "New Color" button. You can import spot colors available in the color tables of the Prinect color database to the job with "Import Colors". Confirm your changes with "Save" when have finished making color settings.

3. In our example, leave the default settings as they are.

Set up and output digital printing

Note: You can find details about these options in the Online Help of the Prinect Cockpit > "Digital Printing Step" (invoke with the F1 key).

Go to the "Digital Printing" step. In this step, you can interactively impose (PDF) documents on a (digital) press sheet, set delivery and finishing options as well as configure the color settings of the press and submit the imposed press sheet for output.

The window structure is as follows:

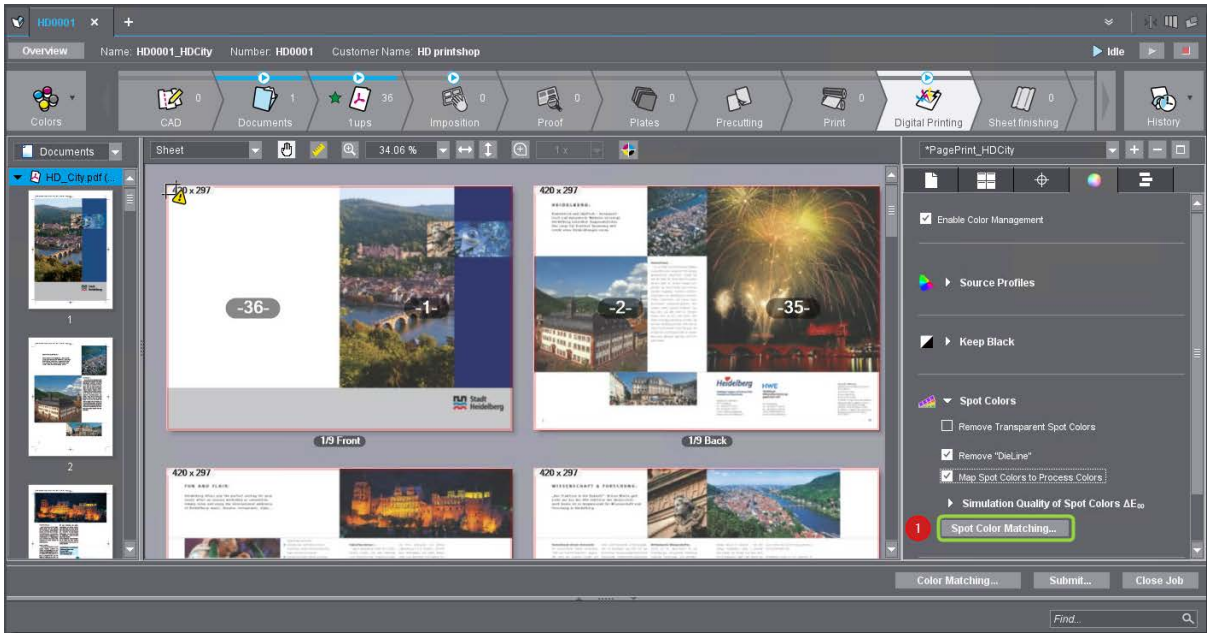
- The left part of the window (1) is where the single pages display. These pages were already assigned automatically to an automatically created page list.
- The preview pane (2) shows a preview of the sheet layout. The appearance of the sheet layout depends on the imposition parameters configured in the right-hand area of the window. You can choose between different views and use various tools to see detailed information about the pages shown.

- You can set all the parameters that are required for imposing the pages on the printing material and for setting up the press (display, finishing) in the various tabs in the setup pane (3):
  - "Paper and page settings",
  - "Layout settings",
  - "Print mark settings",
  - "Color settings" and
  - "Print and finishing settings".

  The basic output parameters were already set up in the settings of the loaded "PagePrint_HDCity" sequence template (see section "Configure a PagePrint Sequence", page 35). Here, you can modify the output parameters if required. These settings affect the open job.

Color settings

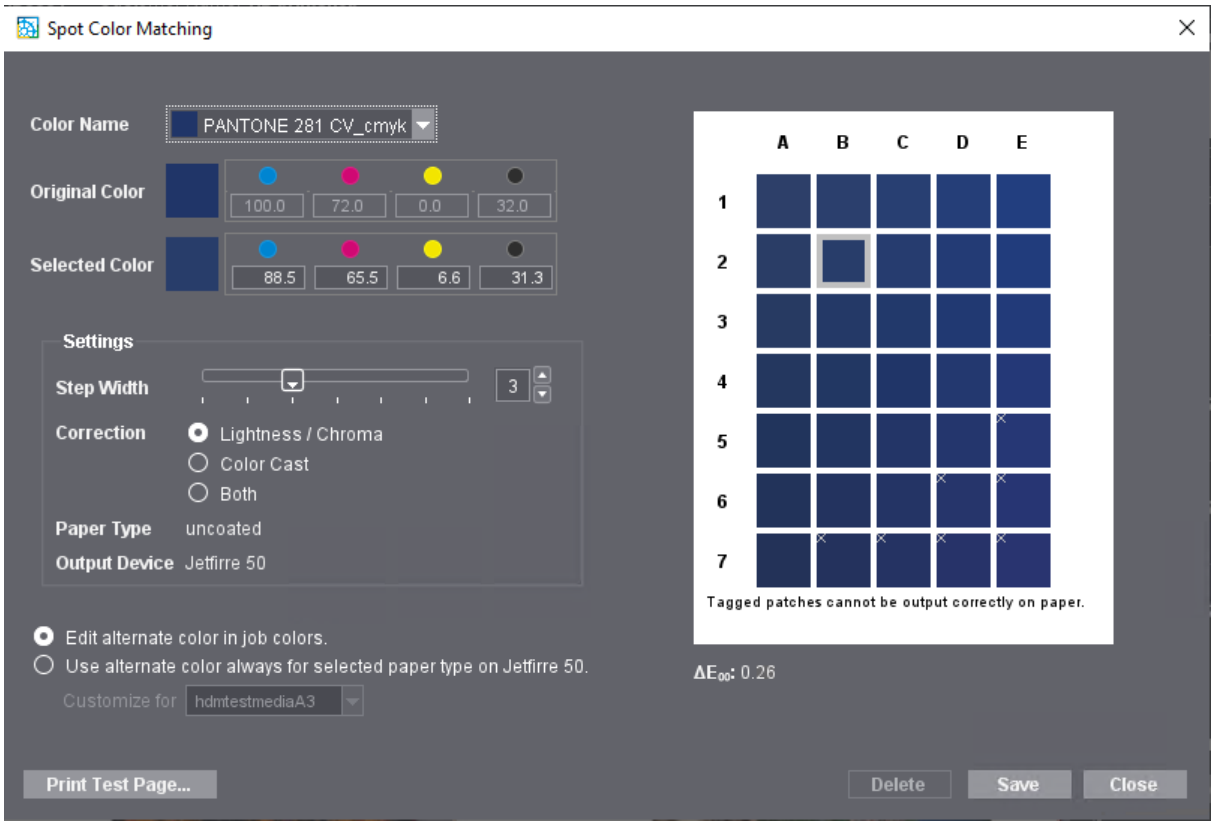
In the "Color Settings" tab, you can define settings for spot color replacement that cannot be set by default in a PagePrint sequence:



In "Spot Colors" you can configure custom settings for replacing spot colors in the current job by clicking **"Spot Color Matching"** (1).

Note: The settings always relate to a specific paper type on a specific press. These settings always affect all digital print jobs until you change these settings again.

The "Spot Color Matching" dialog opens:



1. In the **"Color Name"** list box, first select the spot color for which you want to define a substitute color. All the spot colors that are in the current print job are listed.

   The original color displays in the middle color patch "C4" of the preview window. Modified colors display around the original color. Colors that cannot be output correctly to the paper set in the print job are marked by an "x".

   The aim of these settings is to determine a color that can be output correctly, in other words, a color that is not marked by an "x".

2. Click **"Print Test Page"**. A test chart is printed.

Note: Each test chart printout creates a new separate print job in Prinect Production. These test chart print jobs are set up with the color settings that are required for a true-color output.

3. Now compare the printout of the test chart with the original copy and determine the color patch that best matches the original spot color.
4. If the deviation is still too big, enable either **"Lightness/Chroma"** and/or **"Color Cast"** in **"Correction"** to set the type of color change. Now move the **"Step width"** slider until suitable patches display in the preview window. The bigger the step width, the greater the differences between each of the color patches.
5. Repeat steps 2, 3 and 4 until you are satisfied that the target color is determined accurately enough. On the test chart, the patch with the correct color has an "address", e.g. "B 2".

6. Click the "B 2" patch in the "Spot Color Matching" dialog.
7. The CMYK values of the original color display in **"Original Color"**. The values of the selected color display accordingly in **"Selected Color"** (in our example, those of "B 2").

Note: If you wish, you can manually set the color of the marked color patch by entering CMYK color values in "Selected Color".

8. Enable **"Edit alternate color in job colors"** if you wish to set the alternate color only for the current print job.

   If the alternate color is to be set always for the paper type used, enable **"Use alternate color always for selected paper type "..." on (...)"** and select the paper type in the **"Customize for"** list box. Then these settings affect all print jobs that are printed with this paper type on this press/on this press type. This setup is applicable until you edit it again.

9. If you are satisfied with the colors selected, confirm the dialog with **"Save"**.

   Use the **"Delete" button** to reset all the settings so that special spot color settings are no longer defined for the particular paper type/press combination.

   The **"Paper Type"** and **"Output Device"** boxes are for your information only.

Editing options in the preview pane

Note: You can find details about these options in the Online Help of the Prinect Cockpit > "Digital Printing" step (invoke with the F1 key).

In the preview pane, different view and check options are available:

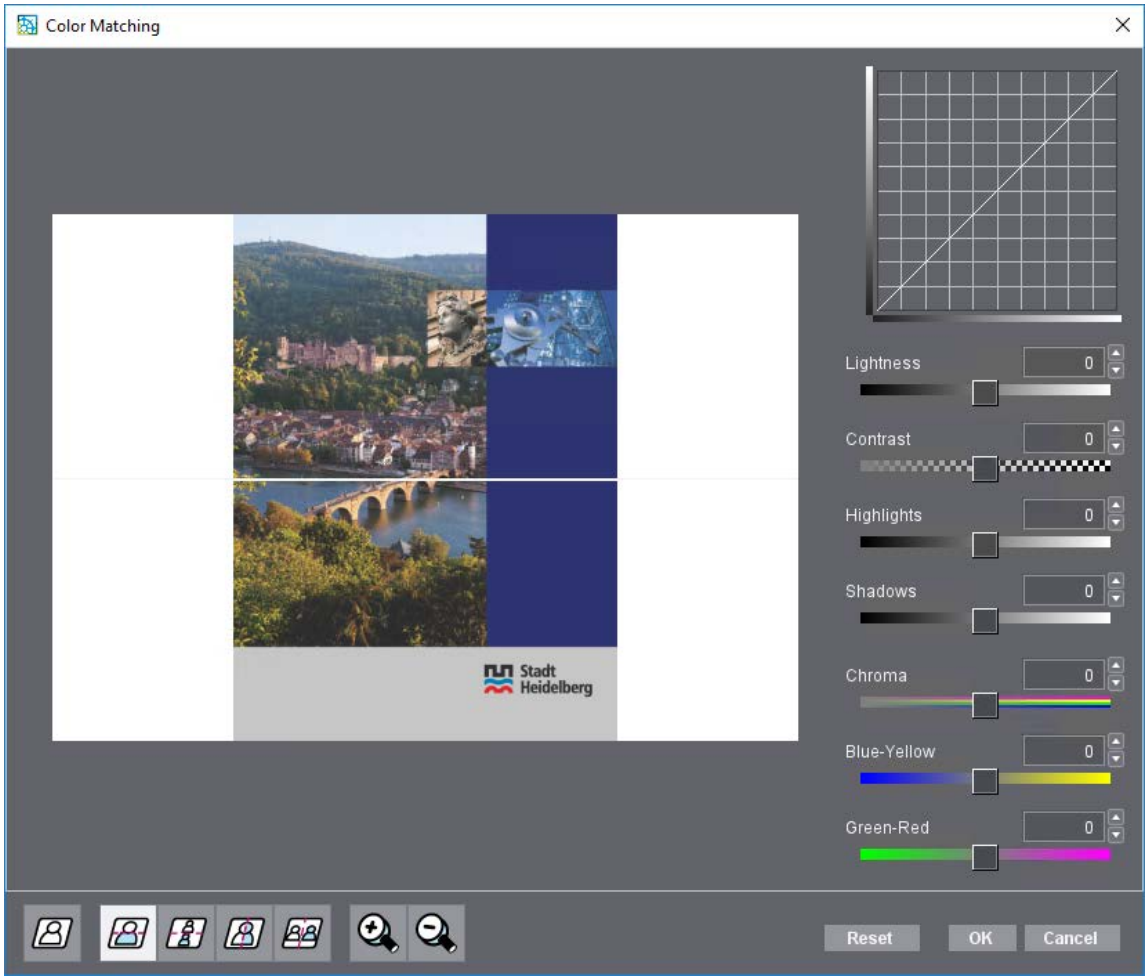
- Toggle the view mode between sheet, layout, separations, area coverage and reader's spread.
- You can use the hand tool to move the image content of the preview.
- You can measure dimensions with the dimensioning tool.
- Use the zoom tool to set the display scale of the preview.
- Use the magnifying glass tool to zoom in on a section of an image like a magnifying glass.
- The info tool provides detailed information about a specific part of the preview.
- The "Color Matching" function function lets you customize color reproduction in digital printing.

"Color Matching" function

Sometimes it is necessary to fine-tune color reproduction in digital printing just before printing, based on what you see on the screen. The "Color Matching" function lets you define such color settings based on a master page taken from the current print job. These settings only affect the print job that is currently being edited.

Prerequisite: If this function is to be used for a realistic proof preview of the expected print results, the screen used should be color-calibrated and suitable as a proof monitor.

1. In the preview window, mark a page that contains one or more image objects that are suitable for evaluating color matching.
2. Click **"Color Matching"**. The "Color Matching" dialog opens:



3. In this dialog, you can adjust gradation parameters **"Brightness"**, **"Contrast"**, **"Highlights"** and **"Shadows"**. You can check these parameters in a gradation curve in addition to the preview.
4. Apart from these, you can also set color parameters **"Chroma"**, "**Blue-Yellow**" weighting and "**Green-Red**" weighting. You can review these settings in the page preview.
5. You can set the gradation and color data either using the sliders or by entering values.
6. There are seven buttons in the lower left part of the "Color Matching" window:

   Use the five left buttons to alter the separating line between the original and the customized area of the image preview. You can choose between the following settings:

   - No separating line (the whole preview window shows the customized color data)
   - Horizontal separating line, the preview is split horizontally
   - Horizontal separating line, the preview is duplicated

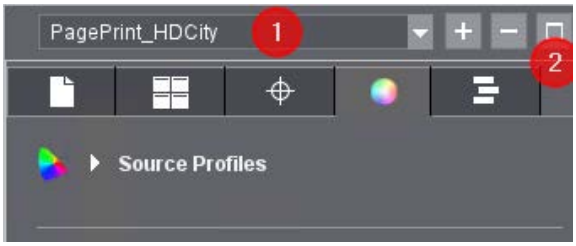
- Vertical separating line, the preview is split vertically
- Vertical separating line, the preview is duplicated

You can use the two "magnifier" buttons to scale up or down the preview.

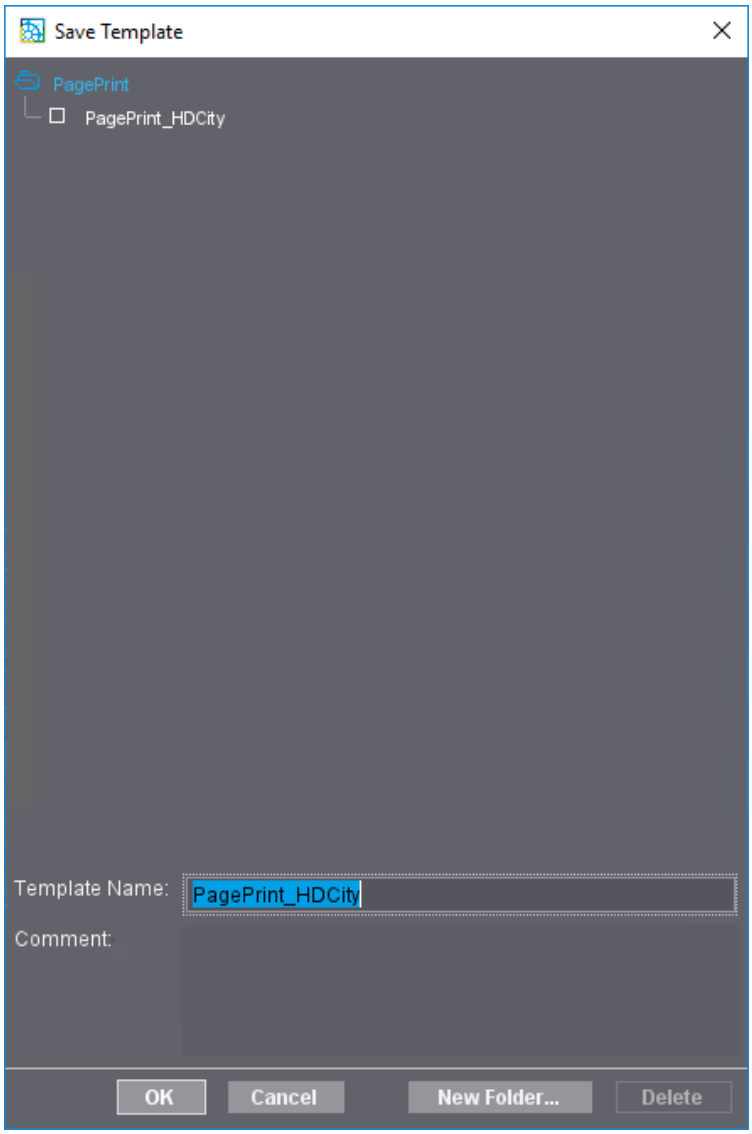
7. The **"Reset"** button lets you reset all the settings to their original values.
8. Click **"OK"** to apply the settings to the whole print job and close the "Color Matching" window.

Save settings as a PagePrint sequence template

If you changed output parameters, you can save the new settings as a PagePrint sequence template. You can then use this template for other print jobs. In the case of the current print job, you do not have to save the settings as a separate step. They are automatically saved with the print job.



1. The currently active PagePrint sequence displays above the parameter tabs. In our example, this is "PagePrint_HDCity" (1).
2. Click the "Save Template" button (2). The "Save Template" dialog opens:



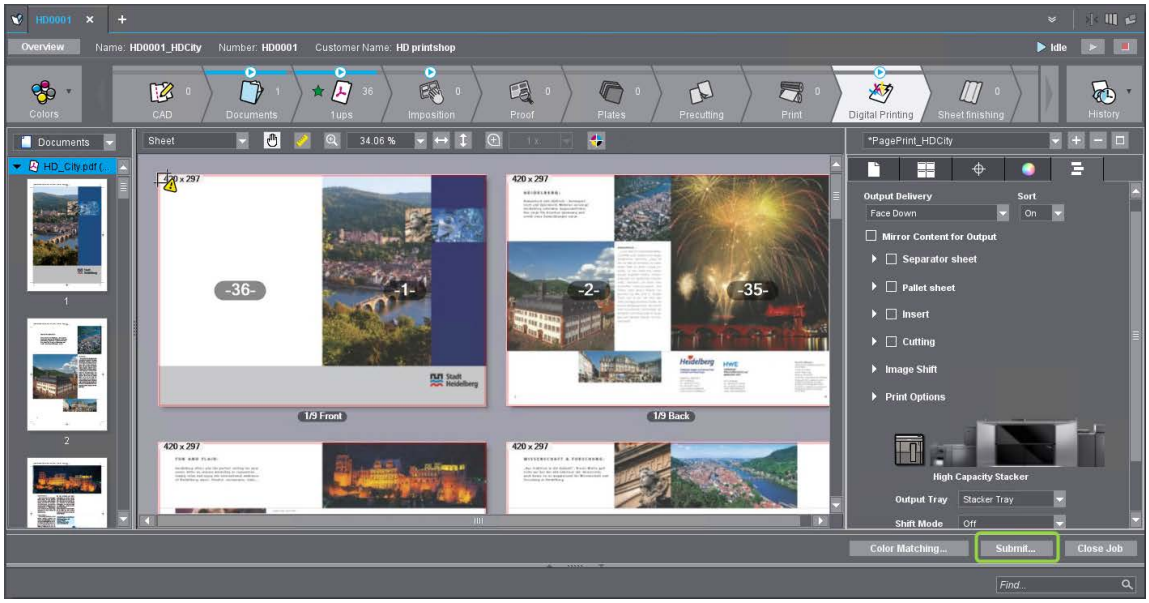
3. This is where you can assign a new name. The settings are then saved as a new PagePrint sequence template. If you do not wish to change the name of the sequence, the existing "PagePrint_HDCity" sequence is overwritten with the new settings.
4. Confirm the dialog with "OK". Confirm the security query by clicking on "Yes".

Printing

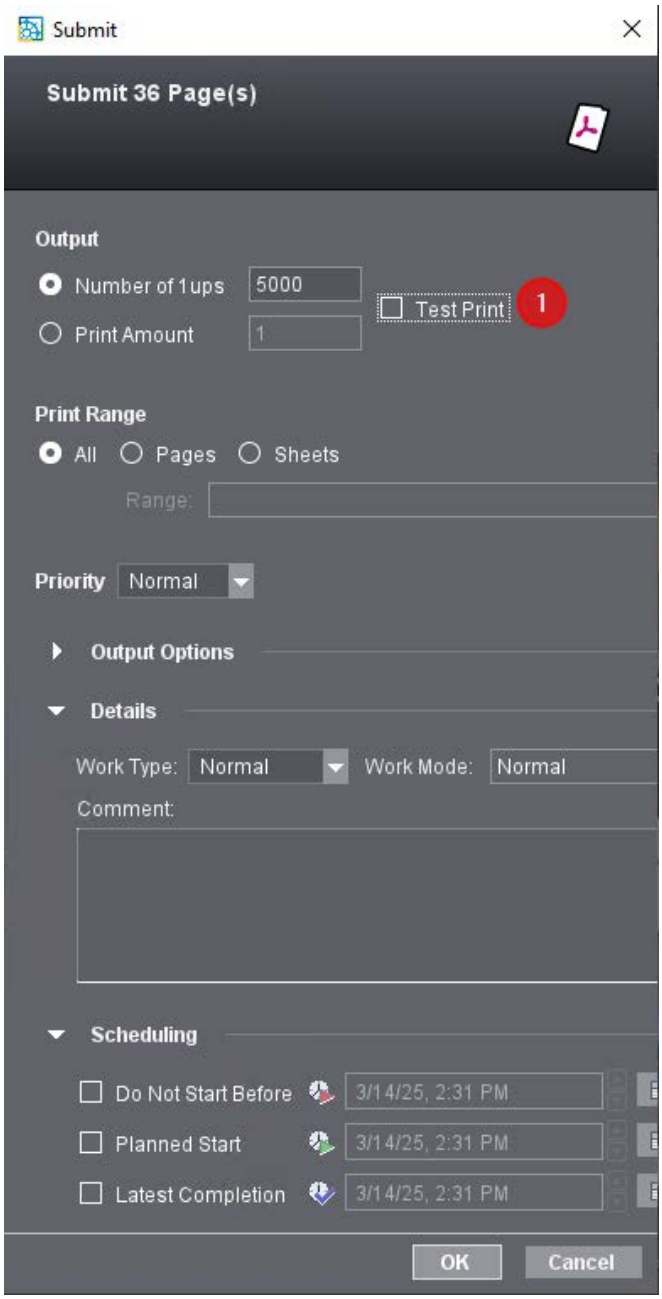
1. To check your print and finishing settings, go to the "Print and finishing settings" tab. Define your setup as required.

Note: As the Jetfire 50 presses can be equipped with different finishing options, no detailed settings are described here.

2. Click "Submit" (1) to start printing.



The "Submit" dialog opens:



3. In this dialog, you can, for example, assign a priority, correct the number of pages/1ups or the print amount, assign a work type, enter a comment and set the time for printing. In this dialog, the terms "Number of pages" or "Number of 1ups" and "Print Amount" have the following meaning:

   · **Number of pages/Number of 1ups** Select "Number of 1ups" if you wish to output a certain number of pages or 1ups. The number of pages/1ups set are output.

- **Print Amount:** This is where you can set the print quantity. The print quantity depends on the type of product to be printed:
  If a product with multiple 1ups is output, such as two A4 pages on A3+ paper, the print quantity refers to each (multiple) occurrence of each page of the PDF document.
  If a product with single 1ups is output, such as a booklet, the print quantity refers to the number of copies output.

4. The **"Test Print" option** (1): Enable this option if you wish to output the job as a test print to check the quality of the color, for example. Activation of this option has the following impacts:
   - The number of pages/number of 1ups or print amount is automatically set to "1" because usually you need only one copy as a test print. You can increase the number of 1ups manually if required.
   - The work type is set to "Internal".
   - The parameters in the "Scheduling" section are disabled.
   - After output, a test print is not tagged as "finished".

   If the job is to be output normally after the test print, all you have to do is submit it again and disable "Test Print". The parameters set beforehand in the "Submit Elements" dialog are enabled again.
5. If you confirm this dialog with "OK", the print job is forwarded to the digital printing terminal and can be output to the press as soon as there are enough print jobs for continuous operation of the Jetfire 50 digital printing press.
6. After output, you can close the print job.

Note: Please note that the Jetfire 50 digital printing press carries out an automatic cleaning process of the ink print heads after each "print pause". As only a single copy is printed during a test print, such a cleaning process also takes place with each test print. To avoid unnecessary ink consumption, it is recommended that you use the **"Test print" option** with caution **never** enable this option as default. If necessary, check whether it makes sense to use an additional color proofer for the page proof within the Prinect environment in order to output proofs on this additional proofer.

Create new Print Jobs by transferring PDF Files into a Hotfolder.

With Prinect Production you can set up a print job in such a way that new print jobs are automatically created when documents are filed in a folder that is set up as a "hotfolder". In this chapter we will set up such a print job and describe how to create new jobs.

Prerequisites for the Hotfolder Mode

For this workflow, some prerequisites must be met on the Prinect server so that automated job processing works smoothly.

Prerequisite: The following requirements must be met for output with a reusable print job:

- A hotfolder job template must have been set up in "Administration > Hotfolder". This job template must have all the required settings (sequences, imposition and finishing parameters) in a suitable form.
- An "external hotfolder location" must have been defined to be able to set up a hotfolder job template. For a Prinect installation, the "\PTJobs\External-Hotfolder" folder is installed by default. Open "System" in "Administration" if you want to change this setting. In the tree structure, mark "System", the topmost item (if necessary, you must click "Hide Clusters"), and then click "Browse..." in "External Hotfolders Location" on the right. In the dialog that then displays, you can select a different folder or create a new one. You can also define the "External Hotfolders Location" on another computer than the Prinect server. You can find more details about creating an external hotfolder location in the Online Help for the Prinect Cockpit in "Administration – System". In our example, we will leave the default "\PTJobs\External-Hotfolder" as it is.

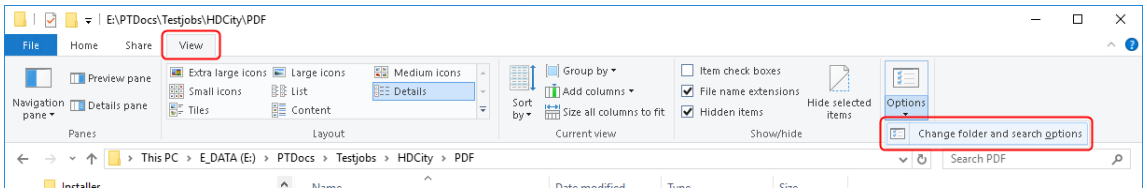
- The sequences required must have been assigned to the job template, either separately or as a group sequence. This ensures the automated processing of printing.
- The documents to be output must be able to be edited without an error and their page size must match the imposition settings in the PagePrint sequence. The number of pages does not have to match the page amount defined originally in the PagePrint sequence. It will be matched automatically during output.

Disable Preview Handler in Windows Explorer

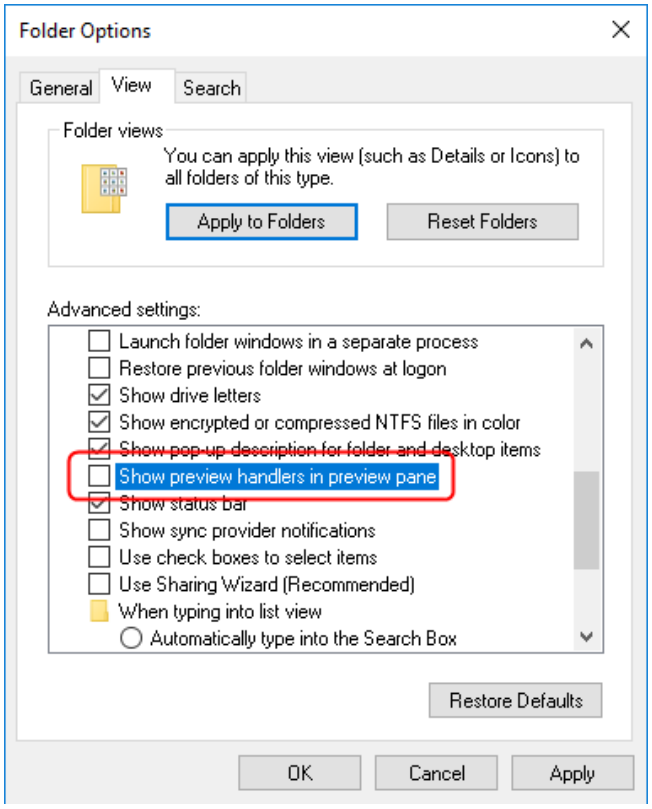
The Windows Preview Handler is responsible for displaying previews of the different file types such as image or document thumbnails in a Windows Explorer window. Windows creates such thumbnails automatically.

Problem: A Prinect hotfolder can no longer be polled correctly if the Preview Handler needs more than six seconds to calculate an image thumbnail. As a result, the PDF documents will not be processed. For security reasons, you must disable the preview handler.

1. Open a Windows Explorer window and invoke the "Folder Options" dialog (either with "Tools > Folder Options" if the menu bar displays or with "Organize > Folder and Search Options" or with "View" > Options > Change folder and search options") (Windows 8.1/Windows 10/Windows Server 2012 R2/Windows Server 2016):



2. Open the "View" tab and disable "Show preview handlers in preview pane".

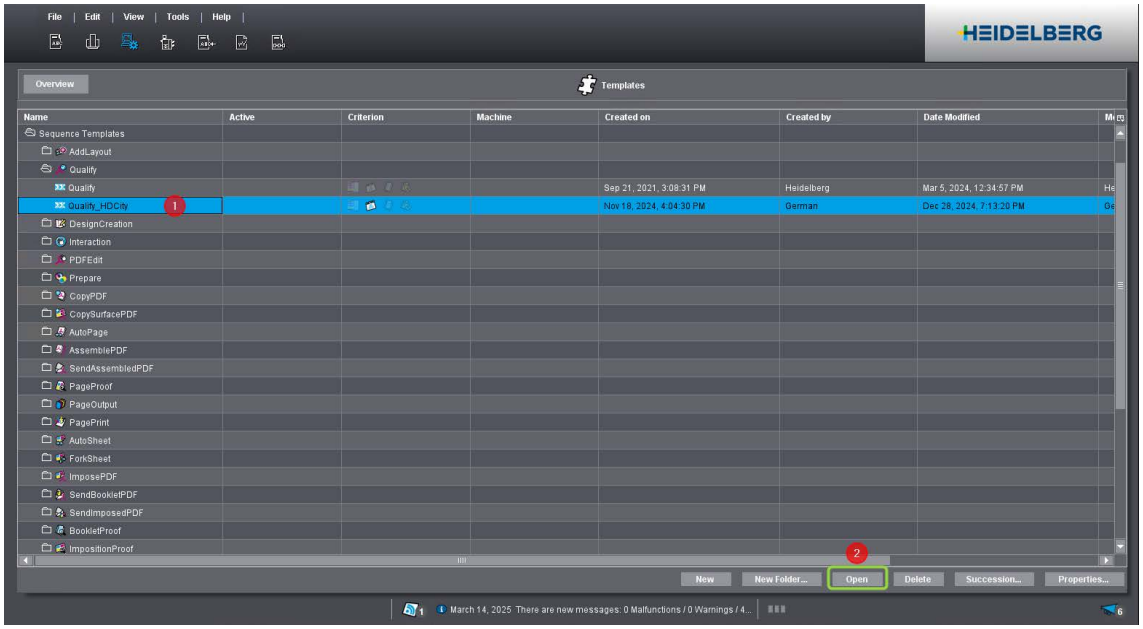


3. Confirm the dialog with "OK".

Prepare a Print Job

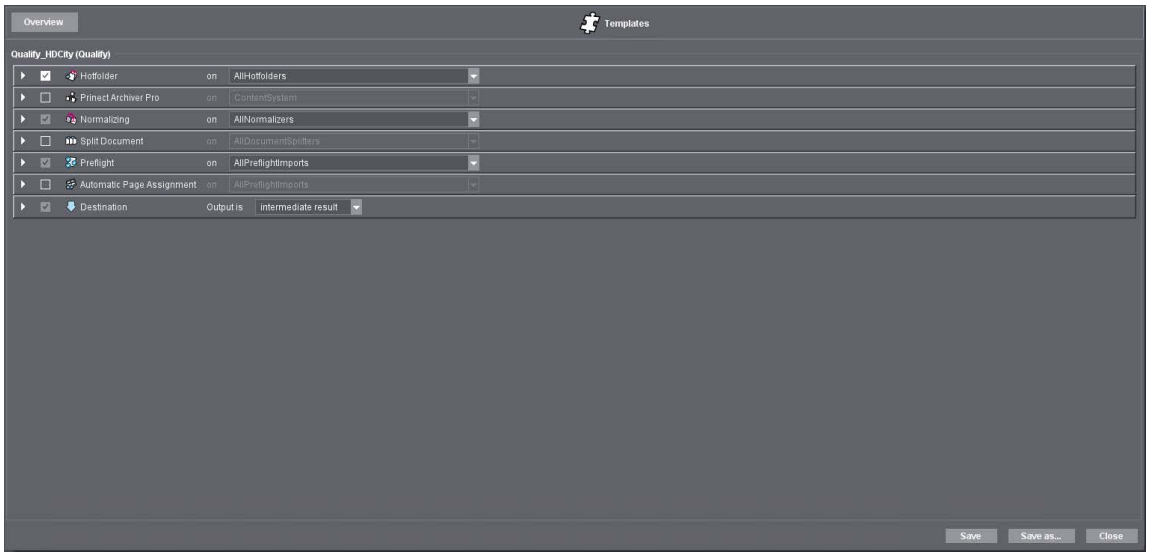
We will use the "HD_City.pdf" booklet print job as our basis, like in chapter "Manual Creation of a Print Job", page 51.

Set up a Qualify sequence for the hotfolder mode



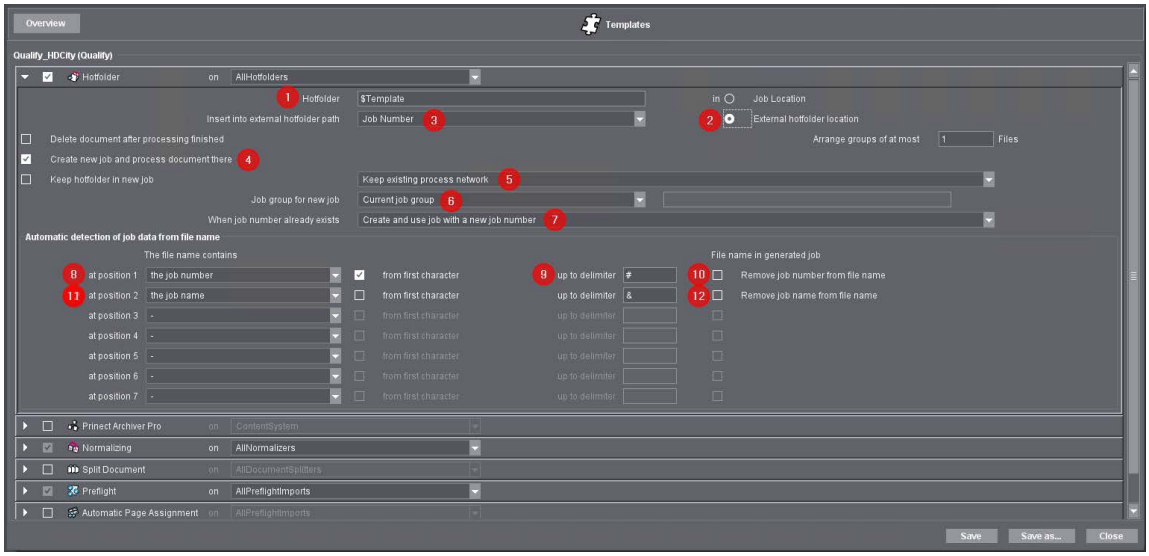
1. In Cockpit, switch to the "Administration > Templates" view, open the "Qualify" sequence type folder and select "Qualify_HDCity" (1). Click "Open" (2). Alternatively, you can also open the sequence by double-clicking it.

   The setup section for the "Qualify_HDCity" sequence opens:



   Set this sequence as follows:

2. Leave "Normalizing", "Split Document", "Preflight" and "Destination" as they are.
3. Enable "Hotfolder" and set the following parameters:



a. In the "Hotfolder" box (1) leave the "$Template" setting as it is. This setting makes sure that the file names of the job documents are used for the names of the new jobs.

b. Enable the "in External hotfolder location" option (2). With this option, the new jobs are stored in the set hotfolder location on the Prinect server.

c. In "Insert into external hotfolder path" (3), leave "Job number" as it is. By doing this, a separate subfolder with the job number as the folder name is created for each job.

d. Enable "Create new job and process document there" (4). When this option is enabled, new jobs are created automatically when document files are filed in the hotfolder.

e. Select "Keep existing process network" in the list box (5). In this list box, you control how a process network is created automatically from components of the job name, among other things from the product code. A process network is a combination of print job, press sheets and sequences. No Smart Automation workflow will be used in our example and, for that reason, no new process networks will be created using this functionality.

f. In the "Job group for new job" list box (6) leave "Current job group" set. The new jobs generated are created in the same job group as the original job.

g. Set "Create and use job with a new job number" in the "When job number already exists" list box (7). Based on the existing job number, a new job number is created by appending an index. After that, a new job is created with this job number.

   You can use "The file name contains" to determine detection rules for interpreting the file names of the PDF files you want to process by detecting and using certain parts of the file name as job parameters. You will find more details about these detection rules in the Cockpit Online Help in the "Sequence Templates" section in "Preparation > "Qualify" Sequence Template > Hotfolder" option.

   We will use a simple example and generate only the job number and job name from the file names.

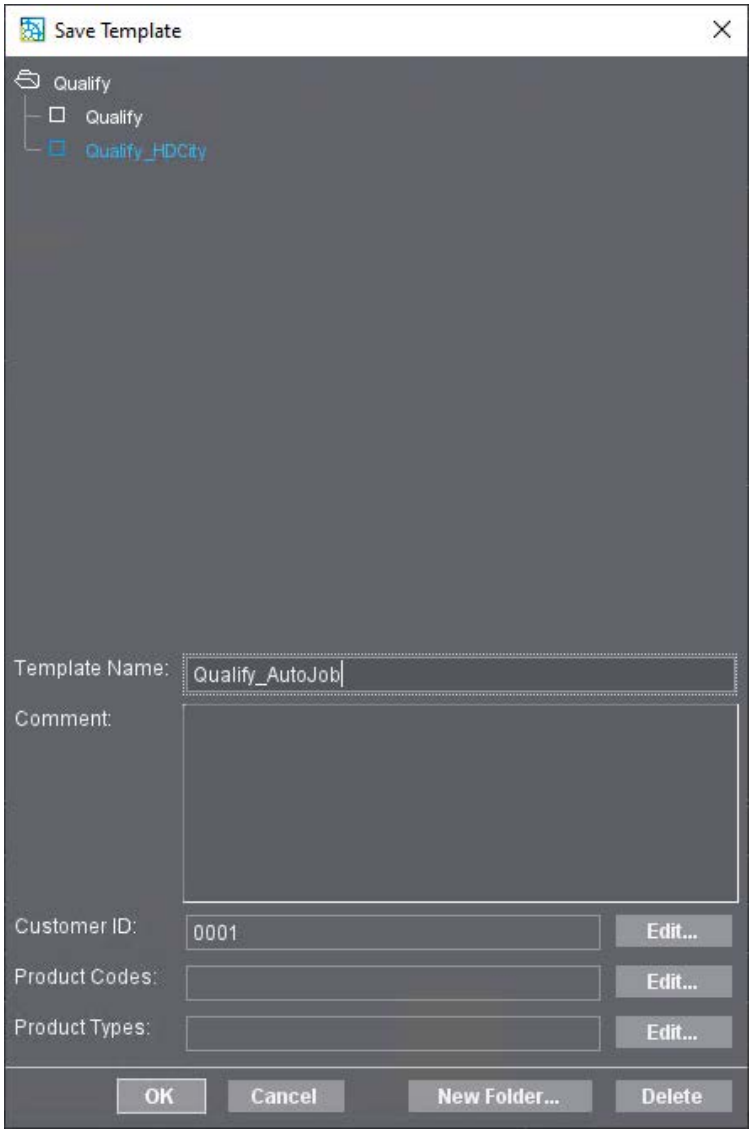
h. To do this, select "the job number" in the "in position 1" list box (8). Check the "from first character" option (9) and enter the character "#" in the "up to delimiter" box (10). As a result, the file name of the filed documents is interpreted in such as way that all characters before the "#" in the file name are identified as a job number and are used for the new jobs. The file names of the filed documents must have this delimiter and appropriate characters for the job number in order for new jobs to have a job number.

i. Then select "the job name" in the "in position 2" list box (11). The "from first character" option remains disabled. Enter the character "&" into the "up to delimiter" box (11). This character acts as a rear limitation for the job name. All characters between these two delimiters in the file name of the filed documents are used as the job name.

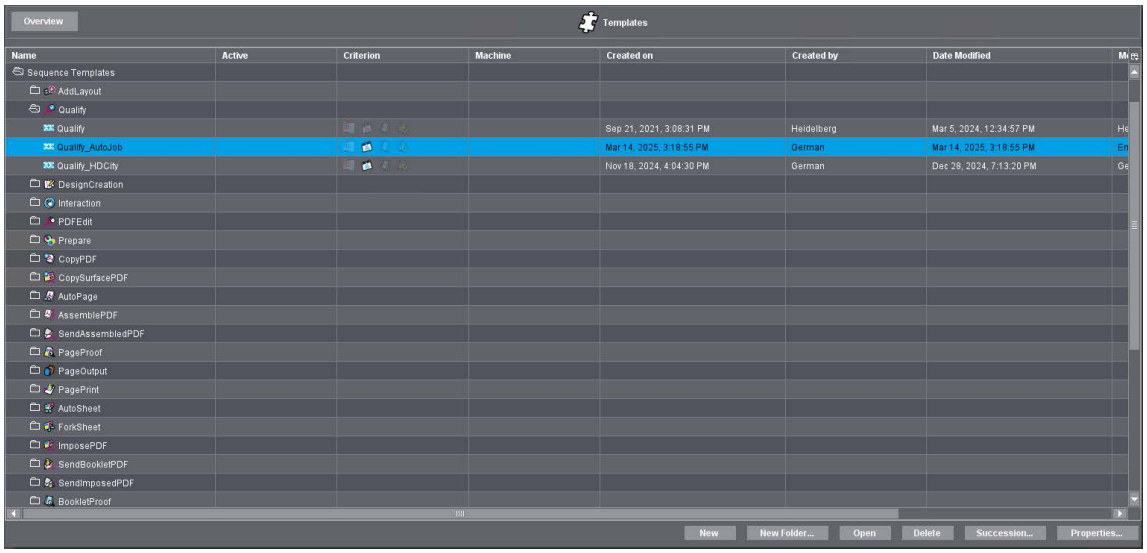
   Example: A document named "1234#Brochure_HD&.pdf" creates a job with the number "1234" and job name "Brochure_HD".

Caution: When you define job names, make sure that job names and job numbers are always unique in a Prinect system. A new job will overwrite an existing job if the new job is created in the hotfolder mode and its job name and job number match those of the existing job!

4. Leave the other steps as they are and click "Save as".



5. Enter "Qualify_AutoJob" as the name. Confirm the "Save Template" dialog with "OK".
6. Click "Close". The sequence overview displays.



Create a group template for automatic job creation

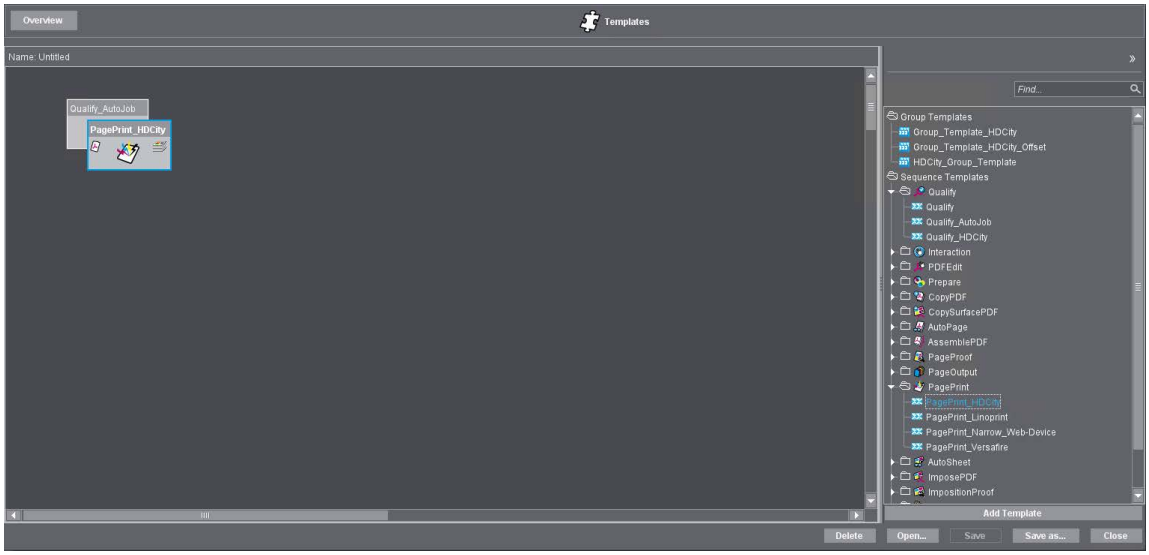
1. In "Administration > Templates", mark "Group Templates" in the sequence overview and click "New".

   The empty setup window of a group template opens.

2. Open the "Qualify" folder and select "Qualify_AutoJob" (1).
3. Then click "Add Template" (2).

   An icon for the Qualify sequence is created in the workspace.

4. Repeat steps 2 and 3 also for the "PagePrint_HDCity" sequence. The workspace now displays as follows:



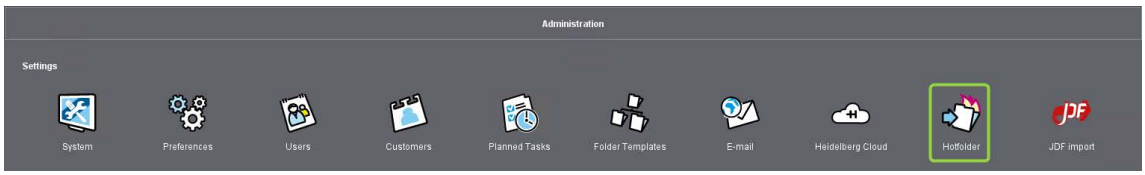
5. In the workspace, select "AutoArrange" in the context menu. The icons are placed side by side and aligned.
6. Save the group template as "AutoJob_Group_Template" using "Save as".
7. Close the view by clicking "Close". Then click "Overview".

Automatic creation of print jobs

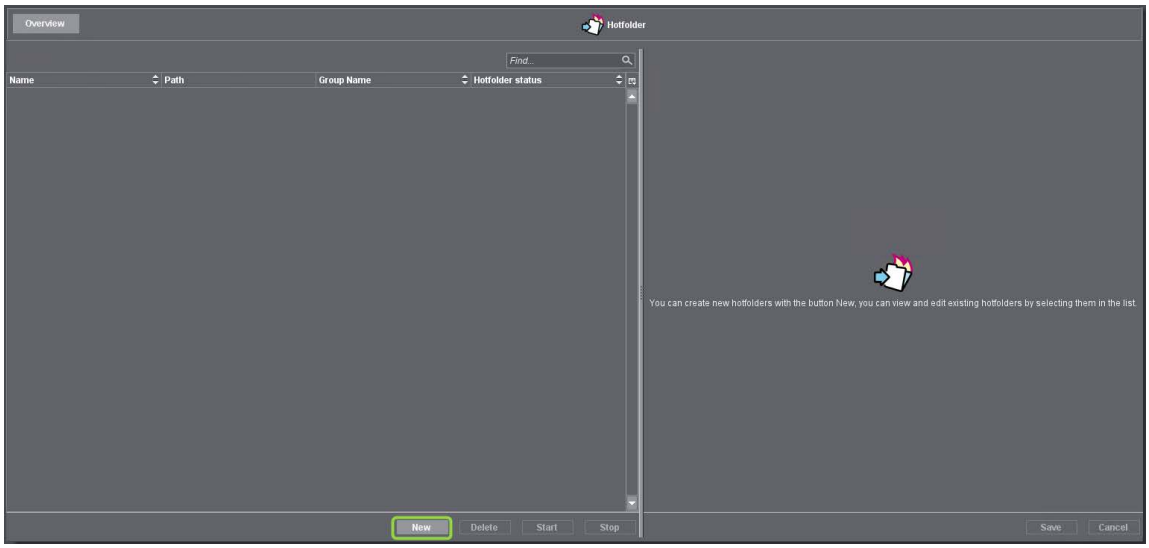
After the Qualify sequence is configured, a new print job template is now created in "Administration > Hotfolder" and is used for automatic job creation. Hotfolder job templates do not display in the job list so that they are not inadvertently deleted. Administration of these templates is solely done in "Administration > Hotfolder".

Create a hotfolder job template

1. In Cockpit, go to "Administration" and click the "hotfolder" icon.

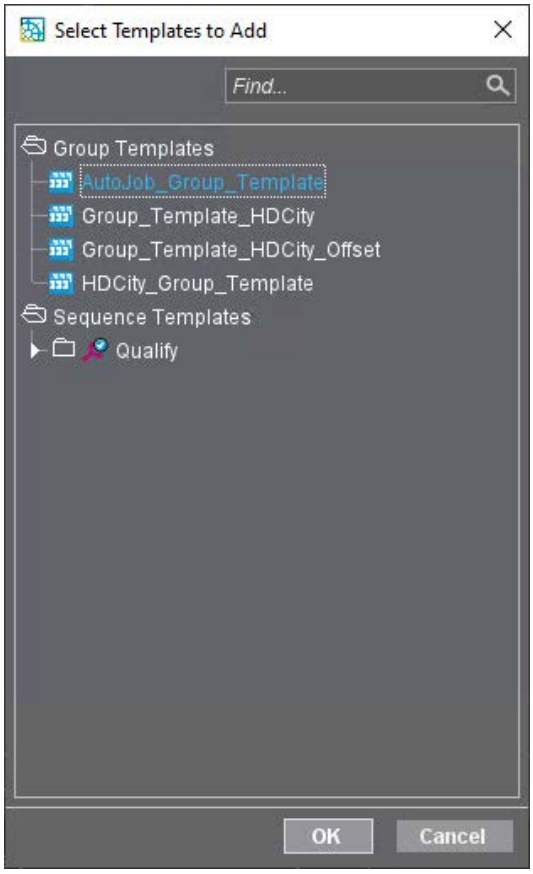


The section for setting the hotfolder job templates opens. Click "New".



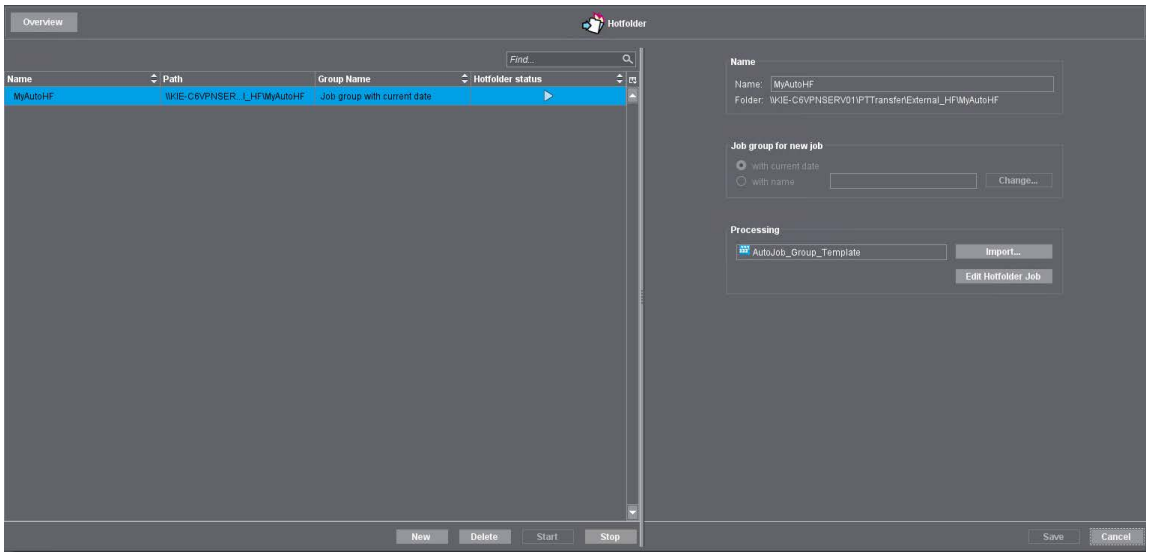
Set up the job template as follows:

2. Enter "MyAutoHF" as the name.
3. Leave "with current date" enabled in "Job group for new job". This setting generates a separate job group with the current date as the group name for all the jobs created on this day.
4. Click "Import" in "Processing". Select "AutoJob_Group_Template" in the "Select Templates to Add" dialog.



Confirm with "OK".

5. Click "Save". The hotfolder configuration area is now as follows:



The new job template, "MyAutoHF", displays on the left of the window. You can create other hotfolder job templates with "New", if required. We now close the view by clicking "Overview". The hotfolder job template is now set up.

Create a New Job by Filing to the Hotfolder

After you prepared the job template for automatic job creation in the hotfolder mode, job processing can begin.

Prepare Document File Names

Delimiters were defined in the hotfolder settings of the Qualify sequence and they can be used to filter out the job number and job name from the document file names. We will customize the file names of the PDF documents to be output so that we have useful job numbers and job names.

Caution: When you define job names, make sure that job names and job numbers are always unique in a Prinect system. A new job will overwrite an existing job if the new job is created in the hotfolder mode and its job name and job number match those of the existing job!

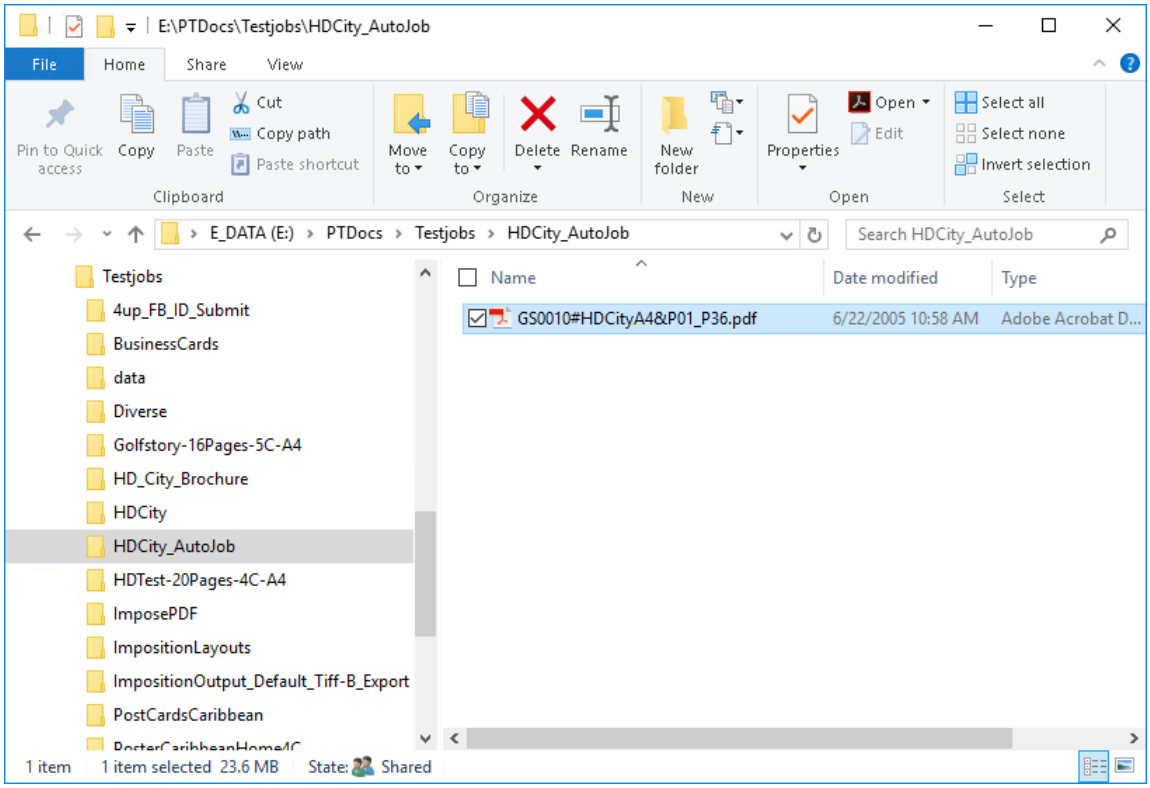
We will use the "HD_City.pdf" document again as the example document (see section "Automated Output of Documents", page 96).

Create and start a new print job

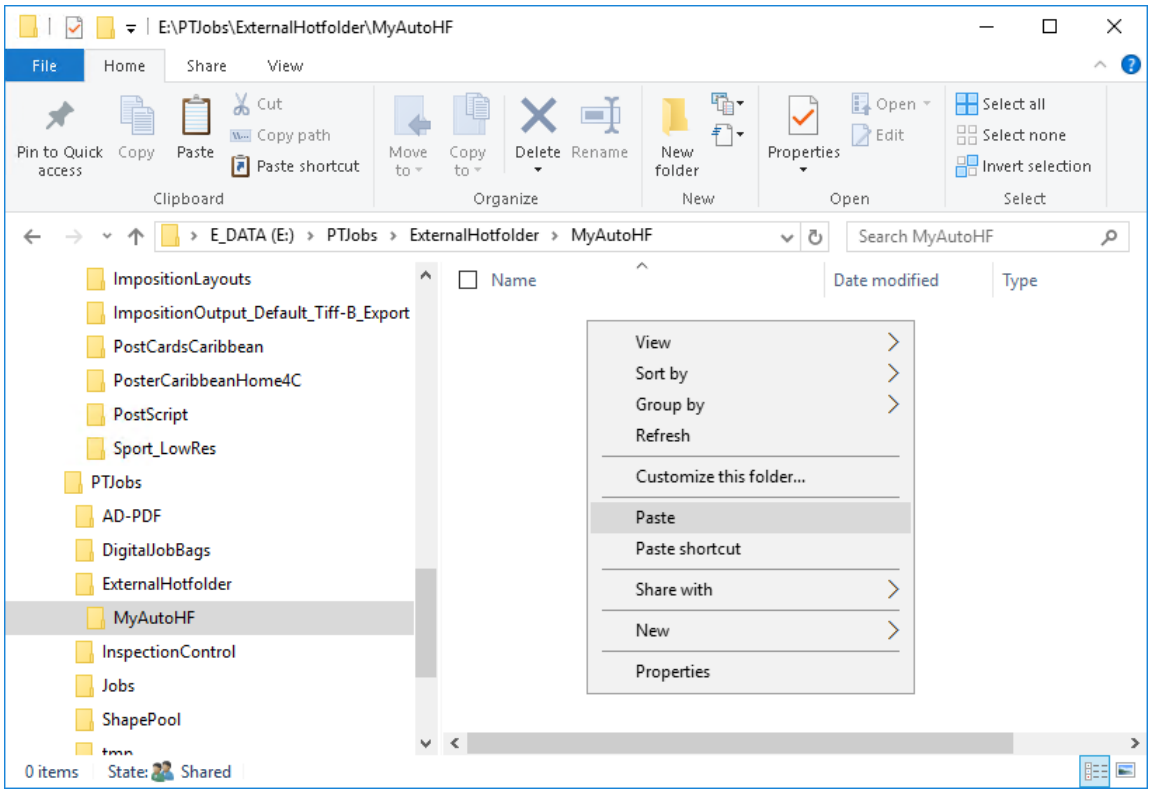
1. We will create a new folder named "PTDocs\Testjobs\HDCity_AutoJob" and copy "HD_City.pdf" to this folder. The file will be renamed to "GS0010#HDCityA4&P01_P36.pdf". Based on the set delimiters "#" and "&", a new job with job number "GS0010" and job name "HDCityA4" will be produced.

   To output "GS0010#HDCityA4&P01_P36.pdf", you will now copy it to the hotfolder of the "HMyAutoHF" template job:

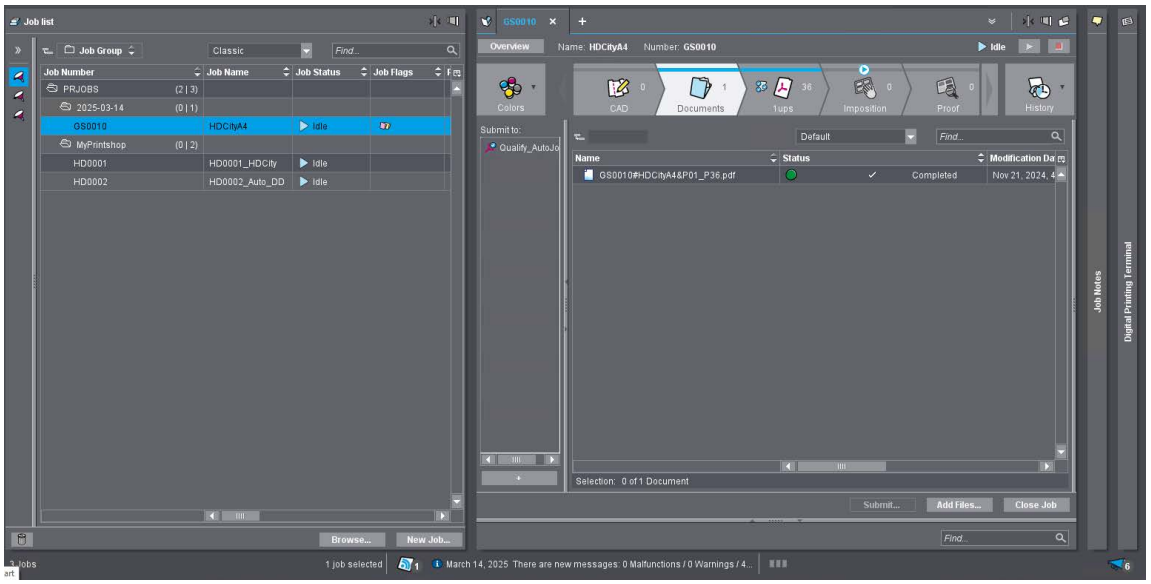
2. In the Windows file system, mark the file and select "Copy" in the context menu or click the "Copy" button.



3. Go to the hotfolder of the "MyAutoHF" job. You will find this folder on the Prinect server in the "PTJobs" folder and there in "ExternalHotfolder\MyAutoHF".
4. Paste the copied PDF file into this folder. By inserting the PDF file, you automatically generate a new print job.



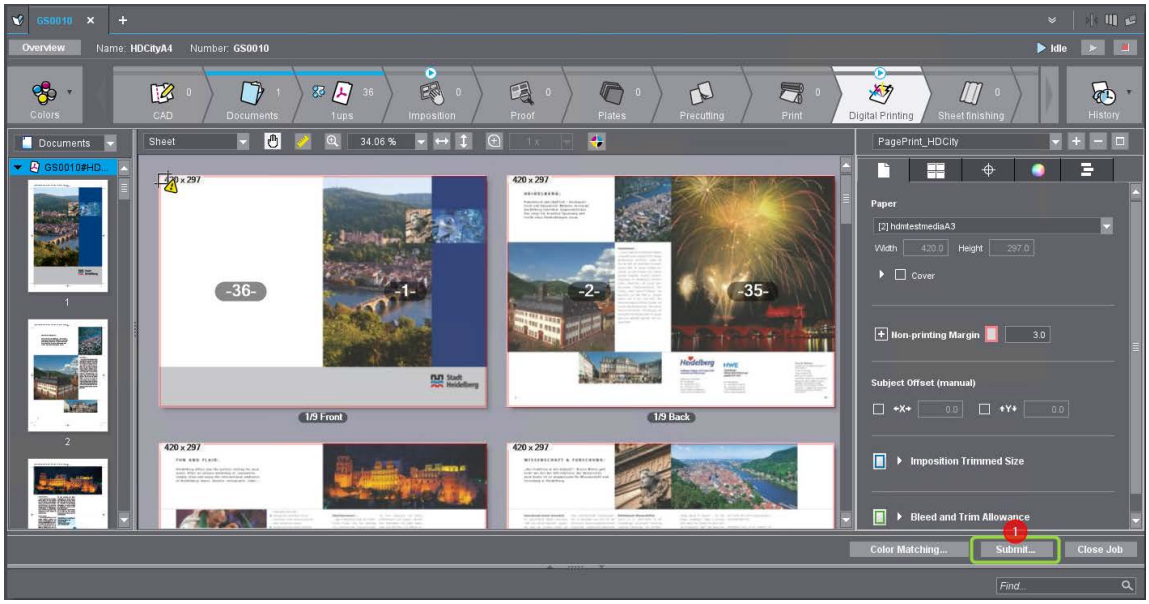
5. In the Cockpit, go to "Jobs" and there to the job list. After a brief period, a new group with the current date displays below "PTJOBS". This group contains the new job "GS0010".



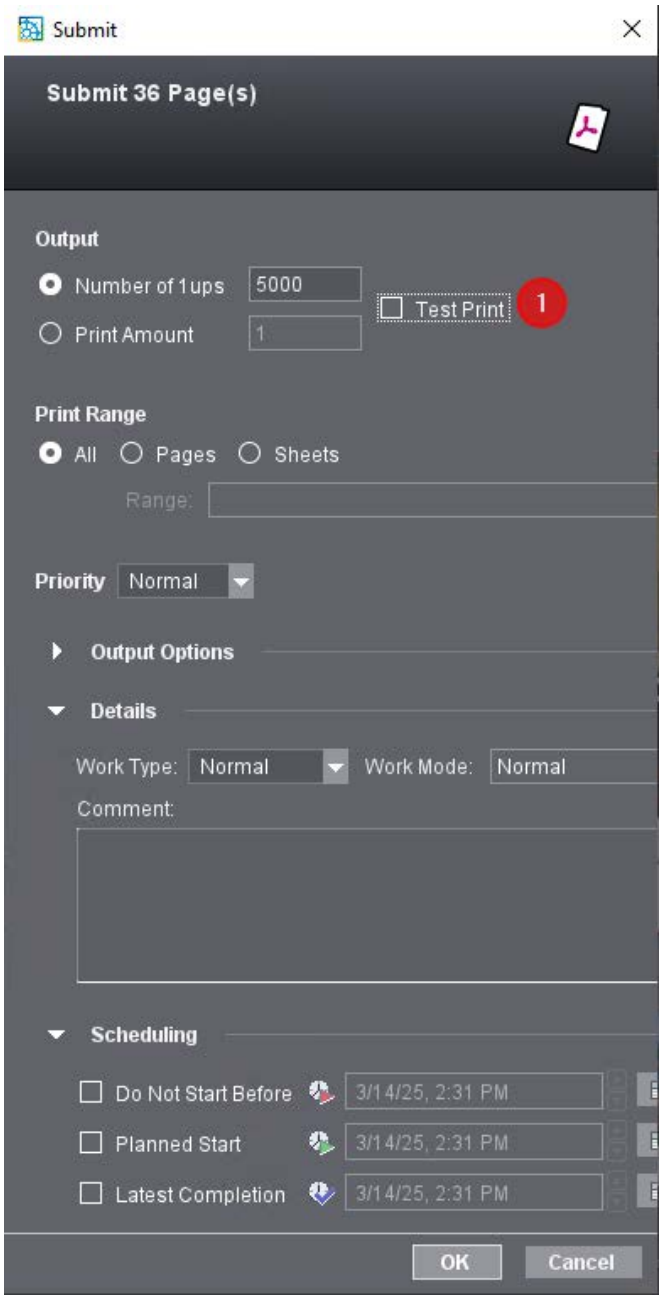
This job starts, is processed and can be output automatically.

6. To output the print job, wait until the documents are processed and then go to the "Digital Printing" step.

(7). If required, you can customize your settings in this step (see section "Set up and output digital printing", page 62).



8. Click "Submit" (1). The "Submit Elements" dialog opens:



9. In this dialog, you can finish off, for example, by running a test print (1), assigning a priority, correcting the number of pages/1ups or print amount and/or entering a comment.
10. The print job is output to the press when you confirm this dialog with "OK".
11. After output, close the print job.

Output Other Documents

Repeat steps 1 thru 10 to output other documents automatically.

Caution: When the "master job" stops, the related hotfolders will also be deleted! For that reason, make sure that the condition of the master job is always "Idle".

In this way, you can automatically generate more print jobs.

Create new Print Jobs automatically via Drag & Drop

Prinect Production lets you use a predefined print job as a template for other print jobs and outputs. The documents of the subsequent print jobs are then processed with all the job settings of the template job. To create and start a follow-up job, you only have to drag-and-drop the PDF documents you wish to output from Windows Explorer (or Macintosh Finder) to the relevant job in the job list in Cockpit. This process will be described in more detail below.

Prerequisites for the Drag-and-Drop Mode

For this workflow, some prerequisites must be met on the Prinect server so that automated job processing works smoothly.

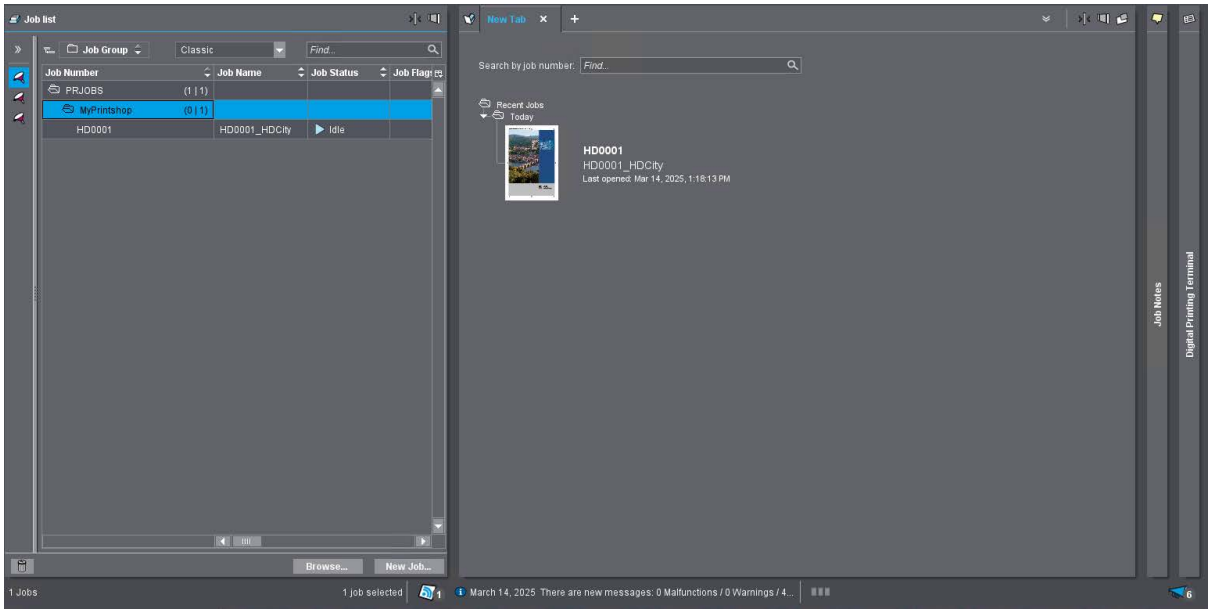
Prerequisite: The following requirements must be met for output with a reusable print job:

- A print job for digital printing must be defined as a template job and it must have all the required matching settings (sequences, imposition and finishing parameters).
- The print job condition must be "Idle" and the processing status must be "OK". The print job must be closed before output and it must be seen in the Cockpit job list.
- The sequences required must have been assigned to the print job as a "template", either separately or as a group sequence. This ensures the automated processing of printing.
- The documents to be output must be able to be edited without an error and their page size must match the imposition settings in the PagePrint sequence. The number of pages does not have to match the pages total defined originally in the PagePrint sequence. It will be matched automatically during output.

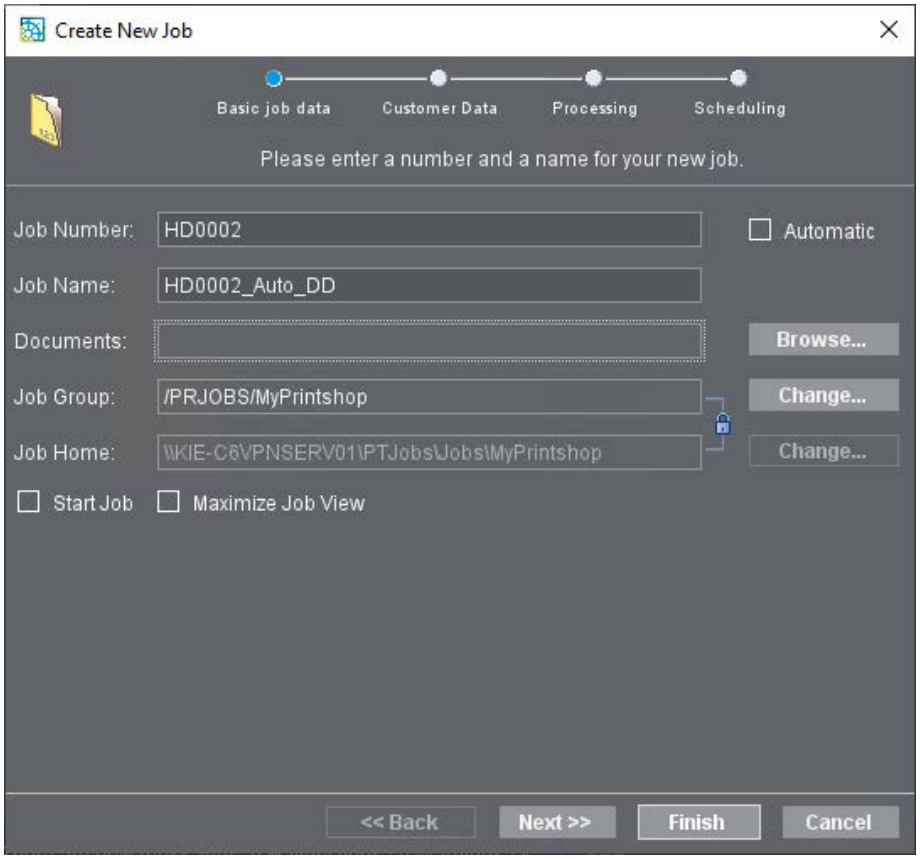
Prepare a Print Job

We will use the "HD0001_HDCity" booklet print job as our basis, like in chapter "Manual Creation of a Print Job".

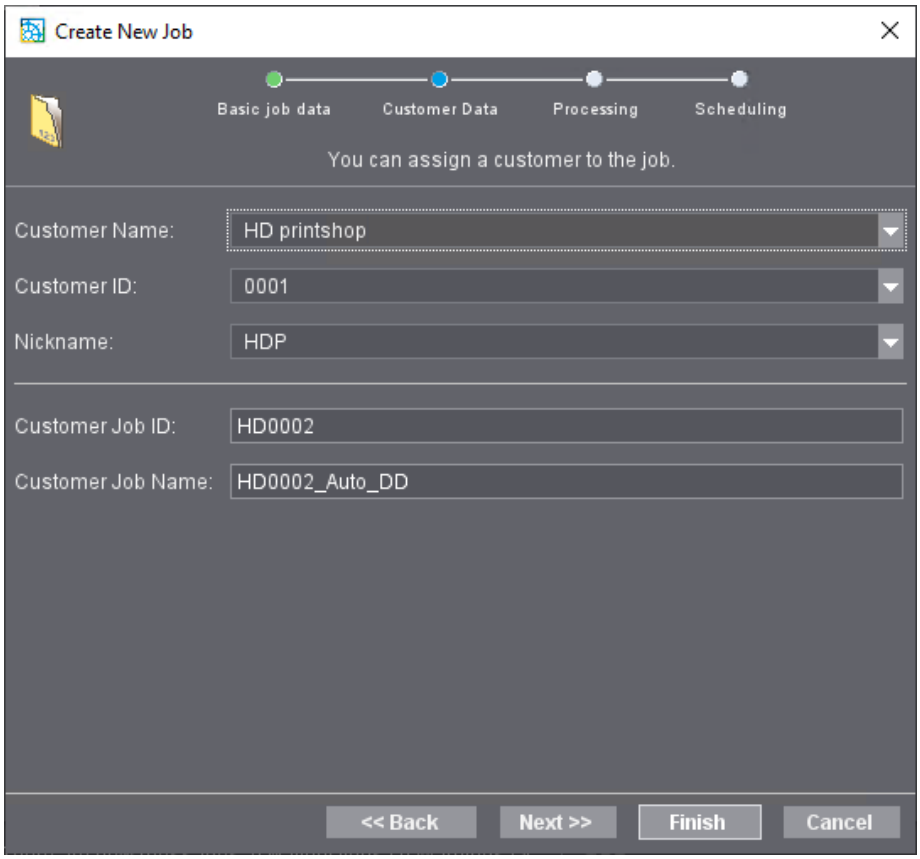
After the "HD0001_HDCity" job was configured and used successfully for output of the "HD_City.pdf" document, you will now create a similar job for automated output.



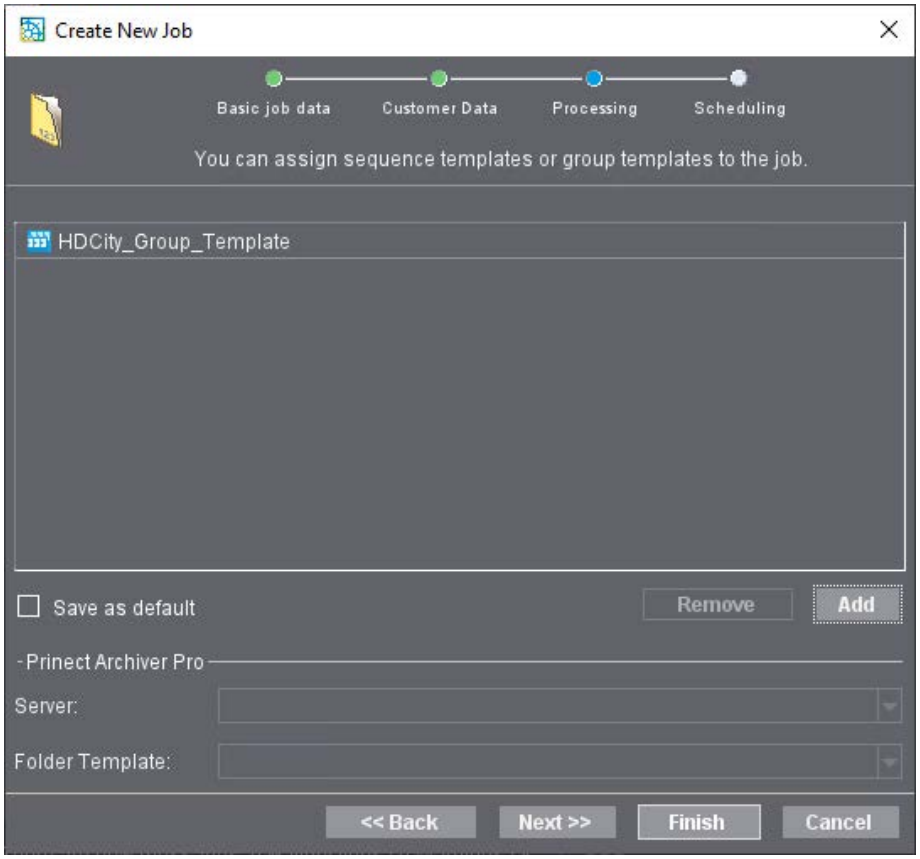
1. Go to the "Jobs" view, mark the "MyPrintshop" group in the job list and click "New job".
2. Fill out the "Basic job data" view as follows:



- Job number: HD0002.
- Job name: HD0002_Auto_DD.
- Job Group: MyPrintshop (is set by default).
- The "Start Job" option is disabled. Click "Next".



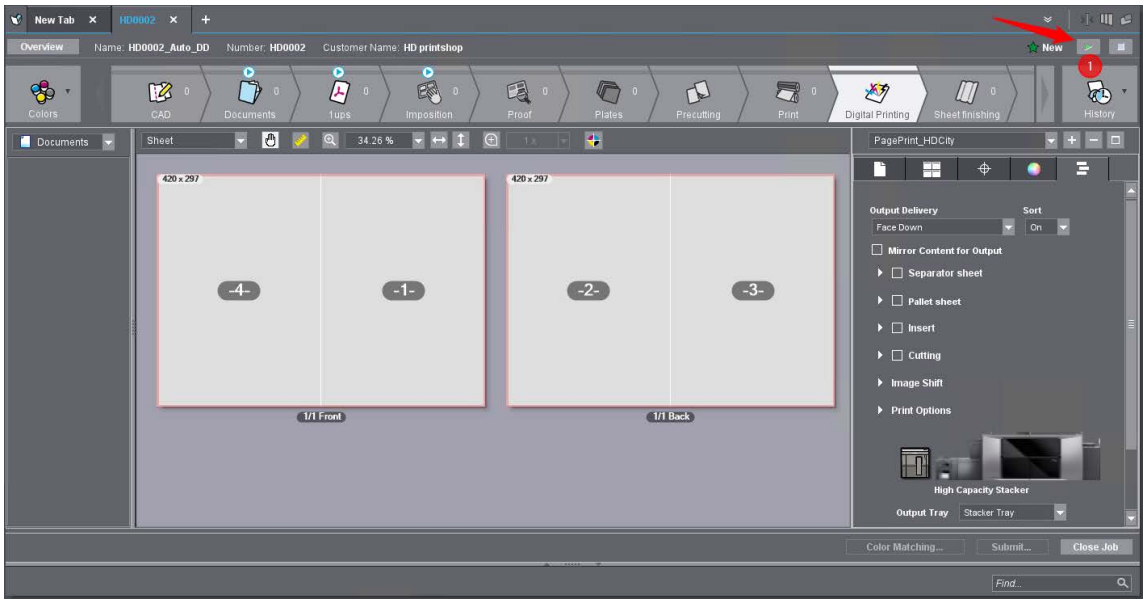
3. Select "HD Printshop" as the customer in the "Customer Data" view. Then click "Next".



4. In the "Processing" view, "HDCity_Group_Template" is already set by default because we added this group sequence template with the "Save as default" option to the manually created job (see chapter "Manual Creation of a Print Job"). If you wish to add other sequences to the job, you can do this by using "Add". You can remove existing sequences – including group sequences – from the job by marking them and clicking "Remove".
5. No scheduling data will be entered because the job is being set up as a reusable template for automated printing. For that reason, we will skip "Scheduling". Click "Finish".

   The job is created and opens.
6. Double-click the caption bar (and not the tab "Job" window, but next to it) to maximize the width of the window. All the job settings and the "Documents" and "Pages" steps remain unchanged because different documents with the same settings will be output in an automated workflow. Go directly to the "Digital Printing" step (click this icon in the workflow bar).

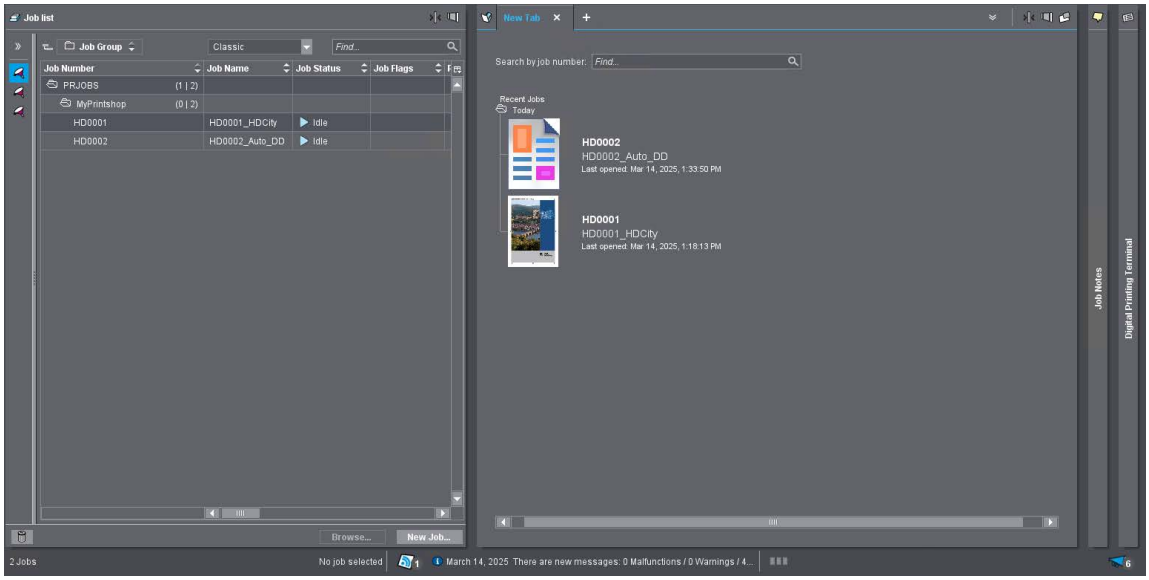
   All the required output settings are already configured because the "HDCity_Group_Template" contains the preset "PagePrint_HDCity" sequence template.



7. Leave the settings as they are. You will find more details about the "Digital Printing" step in the section "Set up and output digital printing", page 62 or in the Cockpit Online Help (F1 key).
8. Start the job by clicking the start button (1).
9. This concludes your preparations for the automatic job. Close the job with "Close Job". All settings are saved automatically.

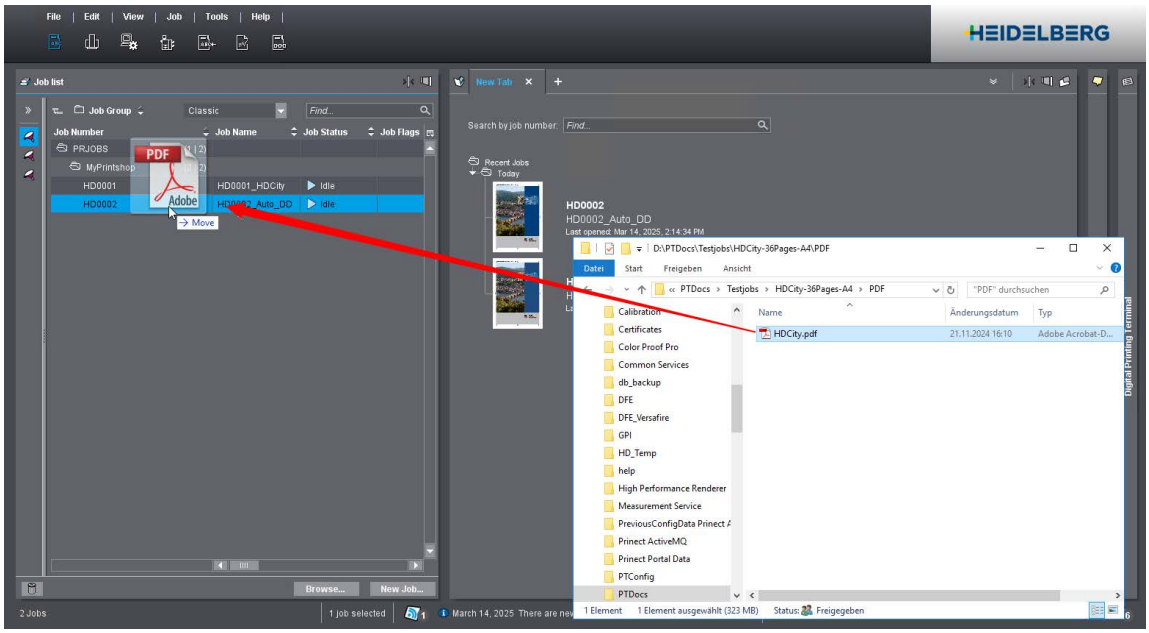
Automated Output of Documents

1. Open the Cockpit and view the job list on the left in the "Jobs" view.
2. If necessary, open the job group (in our example, "MyPrintshop") that contains the prepared job and make sure that the "HD0002" job can be seen.

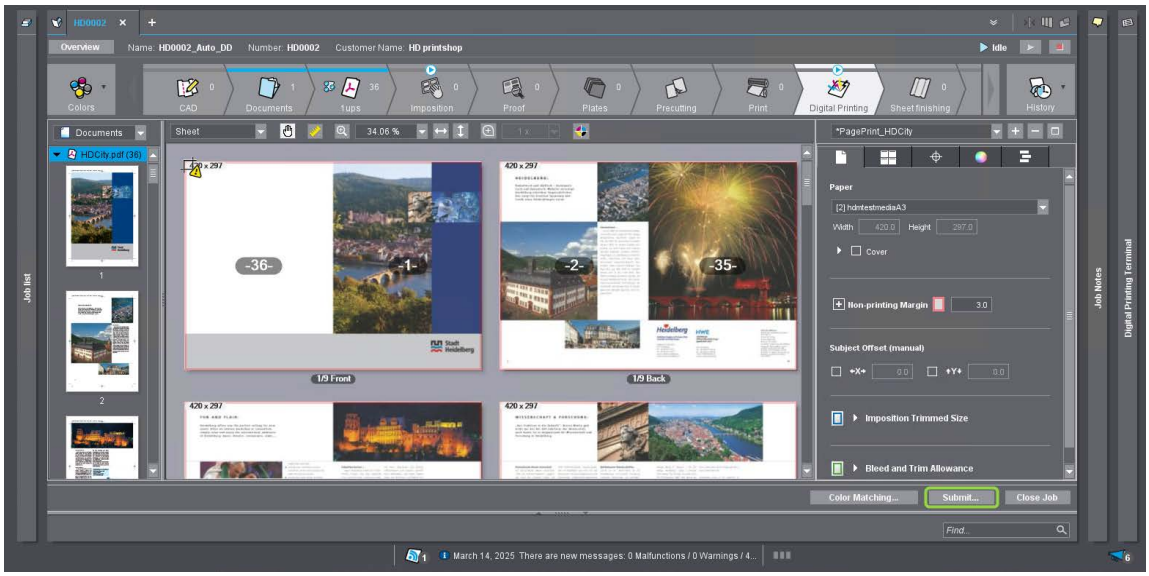


We will use the "HD_City.pdf" document again as the example document.

3. Open a Windows Explorer window (or a Macintosh Finder one) and go to the folder which holds the PDF file to be output. This folder must be located on a local drive, data medium or on a shared network drive of the Cockpit computer.

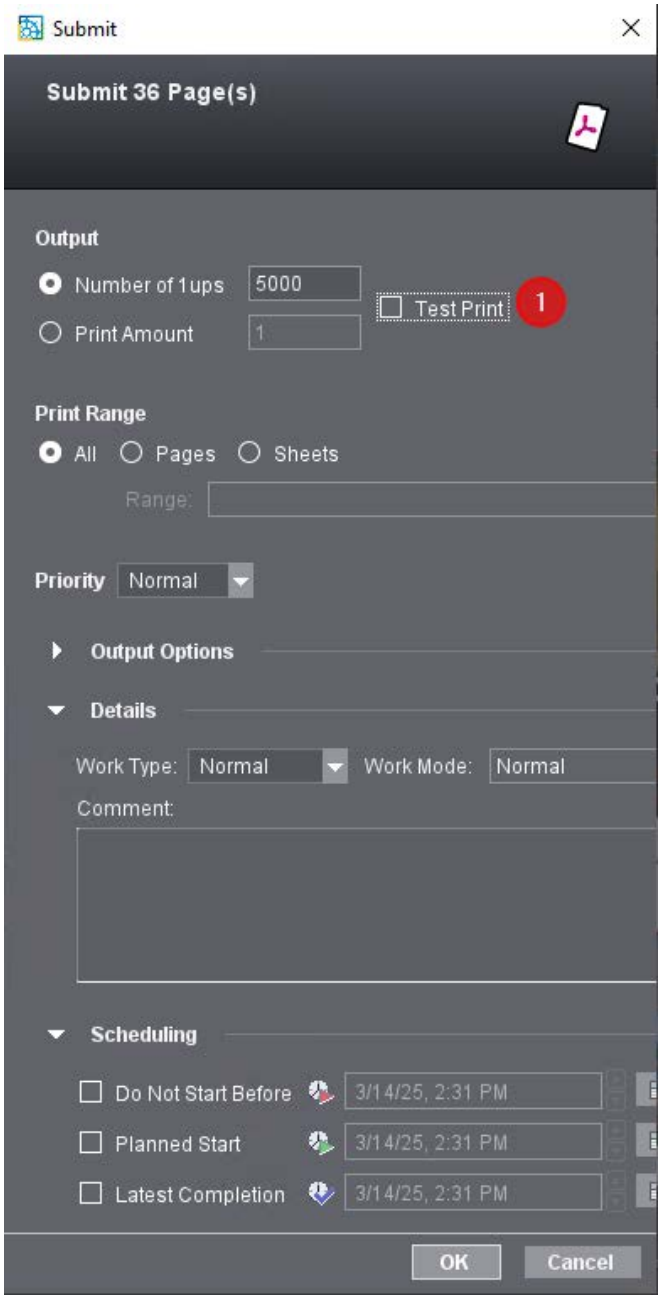


4. Select the PDF file(s) and drag them, holding down the left mouse button, to the "HD0002" print job entry and let go of the mouse button. The job then opens automatically and displays in the "Job" window.
5. To print the print job, maximize the width of the "Job" window (double-click the caption bar) and go to the "Documents" step. Wait until the documents are processed and then go to the "Digital Printing" step.



(6). If required, you can customize your settings in this step (see section "Set up and output digital printing", page 62).

7. Click "Submit" (1). The "Submit Elements" dialog opens:



8. In this dialog, you can, for example, finally assign a priority, correct the number of pages/1ups or the print amount, assign a work type, enter a comment and set the time for printing.
9. If you confirm this dialog with "OK", the print job is forwarded to the digital printing terminal and can be output to the press as soon as there are enough print jobs for continuous operation of the Jetfire 50 digital printing press.
10. After output, close the print job.

Note: Please note that the Jetfire 50 digital printing press carries out an automatic cleaning process of the ink print heads after each “print pause". As only a single copy is printed during a test print, such a cleaning process also takes place with each test print. To avoid unnecessary ink consumption, it is recommended that you use the **"Test print" option** with caution **never** enable this option as default.

Output Other Documents

Repeat steps 1 thru 10 to output other documents automatically.

Heidelberger Druckmaschinen AG
Gutenbergring
D-69168 Wiesloch
Germany
Phone +49 6222 82 00
Fax +49 6222 82 37 05
heidelberg.com

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