

# Layout section of the Loose Page Output process template

This process template section defines how Prinergy places the pages on the output media during loose page output.

## Media

### Media Configuration

This option becomes available when you select Kodak Proofers in the **Output To** list. Specifies the type of paper you're using in the Kodak proofing device. Select a paper type from the list.

### Thickness

This option becomes available when you select an Epson device in the **Output To** list. Type the thickness of the paper you are using in the **Thickness** box, and then select a unit of measurement.

### Layout for Kodak Proofers

Select a template to control how multiple pages are arranged on a single proof. This box is available only for those proofers that are connected via Kodak Proofing Software (KPS).  
For more information, see the Kodak proofer documentation.

### Name

Available when a vendor's device has been defined through Prinergy Administrator. Available options are determined by the device.

### Size

Determines the size of the media to which you will output the final files. Select **Digital** to generate an output file, for example, a file for Virtual Proofing System software. When you select **Digital**, the **Min Width**, **Min Height**, **Max Width**, **Max Height**, and **Layout is 90° Different Than Media** boxes are unavailable. Select **Cut sheet**, **Roll fed**, or **Roll fed (transverse)**, depending on the media being used.

Prinergy Workflow's ability to generate to physical media of particular sizes is governed by Device Connectivity Licenses, which are included in Output Packs and some base configurations. Output sizes are defined as 2-up, 4-up, 8-up, and VLF.

- 2-up license allows for physical output up to 22"
- 4-up license allows for physical output up to 39"
- 8-up license allows for physical output up to 48"
- VLF license allows for physical output larger than 48"

### Min Width

Sets the minimum width for the specified media in the unit of measure selected in the list.

### **Min Height**

Sets the minimum height for the specified media in the unit of measure selected in the list.

For cut sheet, type the sheet height. For roll fed, type the height of the smallest proof you want to make on the device.

### **Max Width**

Sets the maximum width for the specified media in the unit of measure selected in the list.

### **Max Height**

Sets the maximum height for the specified media in the unit of measure selected in the list.

### **Duplexing**

This option is available for composite files; it is unavailable for separated files.

Specifies the type of duplexing.

From the **Duplexing** box, select **Turn** or **Tumble** to enable this feature. Select **None** to disable duplexing.

### **Front Shift and Back Shift**

The **Front Shift Along Width...Along Height** and **Back Shift Along Width...Along Height** options provide finer adjustment when aligning two-sided proofs than with **Center Along Width/Height**. Use these measurements to shift and align front and back pages along their turn or tumble axes, depending on the page or imposition/layout orientation (portrait or landscape).

These options are available only when **Duplexing** has been set to **Turn** or **Tumble**.

You can specify the shift in points, inches, centimeters, or millimeters.

### **Layout is 90° Different Than Media**

Available when you select **Cut Sheet** or **Roll Fed** from the **Size** box. This option is unavailable when you select **Digital** from the **Size** box or when you select the **Reduce to Fit Media** check box.

Select this check box when the orientation of data is at a 90° angle to the orientation of the media (for example, you are trying to output a landscape layout to a portrait device). You must also select either **Auto clockwise** or **Auto counterclockwise** in the **Orientation** box.

**Note:** This option is not available when you select **Veris/Matchprint Inkjet** in the **Output To** list at the top of the pane.

### **Center and crop page to media size**

Select this check box when the sheet size of the device is smaller than the media box of the PDF page.

### PDF Box to Use

Select the **Trim Box** or the **Media Box** to use as the area of output content. For example, selecting the trim box produces trimmed output, that is, output without bleeds or registration marks.

### Placement

#### Type

Select the type of placement.

When you select **Top Left to Bottom Right** placement the **N-up** option button is selected and the **Number of Pages Across** option becomes available.

When you select **Page Set Booklet**, the **2x1** option button is selected and the **Vertical Gutter Width** option becomes available.

#### Style

Determines how many pages Prinergy places on each sheet.

- Select **Auto Fit** to let the system determine the best layout, depending on the files submitted.
- Select **2x1** to specify two pages across and one page down.
- Select **1x2** to specify one page across and two pages down.
- Select **N-up** to specify the number of pages across and down.

### Number of Pages Across

Available when **N-up** is selected in the **Style** box.

Determines the number of pages to place horizontally on each sheet.

### Down

Available when **N-up** is selected in the **Style** box.

Determines the number of pages to place vertically on each sheet.

### Vertical Gutter Width

Available when **Auto Fit** is selected in the **Style** box or **N-up** is selected in the **Style** box and the **Number of Pages Across** box contains a value greater than 1.

Determines the minimum space allowed, in the selected unit of measure, for vertical gutters when automatically fitting pages on a sheet. This value may be reduced if the **Reduce Gutters if Required** check box is selected.

### Horizontal Gutter Height

Available when **Auto Fit** is selected in the **Style** box, or **N-up** is selected in the **Style** box and the **Down** box contains a value greater than 1.

Determines the minimum space allowed, in the selected unit of measure, for horizontal gutters when automatically fitting pages on a sheet. This value may be reduced if the **Reduce Gutters if Required** check box is selected (see below).

## Orientation

(See [Example: orientation](#))

Rotates an entire layout as a unit.

Select **Auto clockwise** to automatically rotate an image clockwise when rotating would result in a better fit.

Select **Auto counterclockwise** to automatically rotate an image counterclockwise when rotating would result in a better fit.

**Note:** Loose page proofs do not have an imposition plan. When you identify the media (in the **Media** area), an imposition plan is assumed that is always equal to the media, and thus is the best fit. Therefore, selecting **Auto clockwise** or **Auto counterclockwise** will have no effect unless the **Layout is 90° Different than Media** check box is also selected. When this check box is selected, the assumed imposition is rotated by 90°, which matches the layout but does not match the media. The layout is then automatically rotated (clockwise or counterclockwise) to result in a better fit to the media.

Select **0°**, **90°**, **180°**, or **270°** to rotate an image the specified amount in a clockwise direction.

## Scaling

### Scale Vector

Applies scaling to the layout prior to screening the file. The scaling is based on vector data (PDF data).

### Apply Scaling from Layout

Select to use the scaling specified in the original layout application, for example, Pandora.

**Note:** This option is not compatible with Preps.

### Custom

Type scaling percentages for the **Along Width** and **Along Height** directions.

### Fit to Media Size

If the specified layout produces an image too large for the media, the image is scaled to fit.

You cannot see the scaling percentage. Select this check box only when a proof scaled to an unspecified reduction is acceptable.

### Non-Printable Margin

If the **Fit to Media Size** option was selected, you can identify the non-printable margins that should be taken into account when determining scaled layouts. Specify left, right, top, and bottom non-printable margins appropriate to the output device and media, in the selected unit of measure.

## Scale Raster

Applies raster scaling to the layout. Raster scaling is an optional feature that will allow you to apply distortion after the files are screened.

Raster scaling is recommended for prescreened files (copydot) or files that contain 1-bit TIFF images, since the prescreened bitmap data cannot be properly scaled with vector scaling (could generate artifacts).

Clear this check box to disable this option.

## Apply Scaling from Layout

Select to use the scaling specified in the original layout application, for example, Pandora.

**Note:** This option is not compatible with Preps.

## Custom

Type scaling percentages for the **Along Width** and **Along Height** directions.

## Spacing

### Add Extra Horizontal Space

(See [Example: add extra horizontal space](#))

Determines where unused horizontal space should be positioned.

- Select **Right margin only** to position unused space at the right margin, allowing for excess to be easily cut off.
- Select **Evenly to both margins** to divide unused space evenly between the right and left margins.
- Select **Evenly to all gutters and margins** to divide unused space evenly between the vertical gutters and right and left margins.

### Add Extra Vertical Space

(See [Example: add extra vertical space](#))

Determines where unused vertical space should be positioned.

- Select **Bottom margin only** to position unused space at the bottom margin, allowing for excess to be easily cut off.
- Select **Evenly to both margins** to divide unused space evenly between the top and bottom margins.
- Select **Evenly to all gutters and margins** to divide unused space evenly between the horizontal gutters and top and bottom margins.

## Reduce Gutters if Required

Allows gutter values (set in the **Horizontal Gutter Height** and **Vertical Gutter Width** boxes in the **Placement** section) to be reduced if required to fit pages. If selected, gutters will be reduced only to the values set in the **Min Horizontal Gutter Height** and **Min Vertical Gutter Width** boxes.

### Min Vertical Gutter Width

Available if the **Reduce Gutters if Required** check box is selected, **N-up** is selected in the **Style** box, and the **Down** box contains a value greater than 1. Vertical gutters are not reduced below this value.

### Min Horizontal Gutter Height

Available if the **Reduce Gutters if Required** check box is selected, **N-up** is selected in the **Style** box, and the **Number of Pages Across** box contains a value greater than 1. Horizontal gutters are not reduced below this value.

## Preview

(See [Previewing loose page output](#))

Displays the Imposition Preview dialog box, which graphically displays how the PDF pages will fit on the selected media. It is based on the settings in the **Layout** section of the Loose Page Output process template and the page size you specify in the **Assumed Page Size** option in the Imposition Preview dialog box.

When you change the options in the **Layout** section of the Loose Page Output process template, the Imposition Preview dialog box is automatically updated.

**Note:** You must specify a page size for the **Assumed Page Size** option in the Imposition Preview dialog box for the graphic in the dialog box to display correctly.