User Guide

English

Brisque Pack step-and-repeat

version **5.1**

DRAFT

731-00974A-EN Rev A

www.creo.com

Copyright

Copyright © 2005 Creo Inc. All rights reserved.

No copying, distribution, publication, modification, or incorporation of this document, in whole or part, is permitted without the express written permission of Creo. In the event of any permitted copying, distribution, publication, modification, or incorporation of this document, no changes in or deletion of author attribution, trademark legend, or copyright notice shall be made.

No part of this document may be reproduced, stored in a retrieval system, published, used for commercial exploitation, or transmitted, in any form by any means, electronic, mechanical, photocopying, recording, or otherwise, without the express written permission of Creo Inc.

This document is also distributed in Adobe Systems Incorporated's PDF (Portable Document Format). You may reproduce the document from the PDF file for internal use. Copies produced from the PDF file must be reproduced in whole.

Trademarks

The Creo wordmark, Creo logo, and the names of the Creo products and services referred to in this document are trademarks of Creo Inc.

Adobe, Acrobat, Adobe Illustrator, Distiller, Photoshop, PostScript, and PageMaker are trademarks of Adobe Systems Incorporated.

Apple, iMac, Power Macintosh, AppleShare, AppleTalk, TrueType, ImageWriter, and LaserWriter are registered trademarks of Apple Computer, Inc. Macintosh is a trademark of Apple Computer, Inc., registered in the U.S.A. and other countries.

PANTONE, Hexachrome, PANTONE Hexachrome, and PANTONE MATCHING SYSTEM are the property of Pantone, Inc.

PEARL, PEARLsetter, PEARLhdp, PEARLdry, and PEARLgold are registered trademarks of Presstek, Inc.

XEROX®, The Document Company®, and the digital X® are trademarks of XEROX CORPORATION.

Other brand or product names are the trademarks or registered trademarks of their respective owners.

FCC Compliance

Any Creo equipment referred to in this document complies with the requirements in Part 15 of FCC Rules for a Class A computing device. Operation of the Creo equipment in a residential area may cause unacceptable interference to radio and TV reception, requiring the operator to take whatever steps are necessary to correct the interference.

Limitation of Liability

The product, software or services are being provided on an “as is” and “as available” basis. Except as may be stated specifically in your contract, Creo Inc. expressly disclaims all warranties of any kind, whether express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose and non-infringement.

You understand and agree that Creo Inc. shall not be liable for any direct, indirect, incidental, special, consequential or exemplary damages, including but not limited to, damages for loss of profits, goodwill, use, data or other intangible losses (even if Creo has been advised of the possibility of such damages), resulting from: (i) the use or the inability to use the product or software; (ii) the cost of procurement of substitute goods and services resulting from any products, goods, data, software, information or services purchased; (iii) unauthorized access to or alteration of your products, software or data; (iv) statements or conduct of any third party; (v) any other matter relating to the product, software, or services.

The text and drawings herein are for illustration and reference only. The specifications on which they are based are subject to change. Creo Inc. may, at any time and without notice, make changes to this document. Creo Inc., for itself and on behalf of its subsidiaries, assumes no liability for technical or editorial errors or omissions made herein, and shall not be liable for incidental, consequential, indirect, or special damages, including, without limitation, loss of use, loss or alteration of data, delays, or lost profits or savings arising from the use of this document.

Patents

This product is covered by one or more of the following U.S. patents:

RE37,376	5,412,737	5,699,174	6,014,471	6,189,452	6,396,422	6,579,660
D478,608	5,420,702	5,699,740	6,016,752	6,191,882	6,407,849	6,587,211
4,558,302	5,420,722	5,708,736	6,043,865	6,204,874	6,409,331	6,589,710
4,743,091	5,459,505	5,713,287	6,060,208	6,205,364	6,414,755	6,590,635
4,992,864	5,473,733	5,742,743	6,063,528	6,208,369	6,422,801	6,593,064
5,049,901	5,481,379	5,764,374	6,063,546	6,214,276	6,425,565	6,601,888
5,113,249	5,488,906	5,771,794	6,072,518	6,217,965	6,430,136	6,605,407
5,132,723	5,508,828	5,785,309	6,090,529	6,252,241	6,435,091	6,609,459
5,155,782	5,509,561	5,802,034	6,093,447	6,252,522	6,441,914	6,611,363
5,157,516	5,517,359	5,813,346	6,096,461	6,255,033	6,443,571	6,618,187
5,177,724	5,519,852	5,818,498	6,098,544	6,260,482	6,450,092	6,628,435
5,208,818	5,576,754	5,854,883	6,107,011	6,266,080	6,456,396	6,632,584
5,208,888	5,579,115	5,861,904	6,112,663	6,266,134	6,471,335	6,637,329
5,247,174	5,583,551	5,861,992	6,115,056	6,267,054	6,476,342	6,637,860
5,249,067	5,592,309	5,875,288	6,116,160	6,268,948	6,476,931	6,640,713
5,283,140	5,594,556	5,894,342	6,121,996	6,270,204	6,477,955	6,641,772
5,291,273	5,600,448	5,900,981	6,130,702	6,283,589	6,493,064	6,641,978
5,305,091	5,608,822	5,934,196	6,134,393	6,295,076	6,494,965	6,646,669
5,323,248	5,615,282	5,946,426	6,136,509	6,299,572	6,503,691	6,648,468
5,325,217	5,625,397	5,947,028	6,137,580	6,318,266	6,509,903	6,652,088
5,339,176	5,625,766	5,958,647	6,147,789	6,328,408	6,511,163	6,654,147
5,343,059	5,636,330	5,966,504	6,158,345	6,336,708	6,520,084	6,660,997
5,355,446	5,649,220	5,969,872	6,159,659	6,340,817	6,530,317	6,661,561
5,359,451	5,650,076	5,973,801	6,164,637	6,352,816	6,541,181	6,665,048
5,359,458	5,652,804	5,986,819	6,165,658	6,353,216	6,544,336	6,665,121
5,367,360	5,680,129	5,995,475	6,180,325	6,366,339	6,545,772	6,670,986
5,384,648	5,691,823	5,996,499	6,181,362	6,371,026	6,550,388	6,684,783
5,384,899	5,691,828	5,998,067	6,181,439	6,377,739	6,564,018	6,704,123
5,412,491	5,696,393	6,003,442	6,186,068	6,387,597	6,567,713	

Creo Inc.
3700 Gilmore Way
Burnaby, B.C., Canada
V5G 4M1
Tel: +1.604.451.2700
Fax: +1.604.437.9891

http://www.creo.com
731-00974A-EN Rev A

Revised September 2006

Contents

1 Introduction 1

Overview ... 2
Phase 1 - Single Element Design and Handling ... 3
Phase 2 - Package Step-and-Repeat Layout ... 4

2 Working with a Packaging Layout 5

Overview ... 6
Creating A New Layout ... 7
Defining the Size of the Step-and-Repeat Layout ... 9
Adding Elements to the Layout ... 10
    Positioning Elements ... 16
    Viewing the Layout ... 29
    Viewing Layout Separations ... 29
    Replacing an Element ... 29
    Deleting an Element ... 30
Saving the Layout ... 31
Modifying an Existing Brisque Packaging Job ... 34
    Recreating the Mask of a Brisque Packaging Job ... 35
Using a Template with the Arrange Operation ... 38
    Using a Template with Step-and-Repeat Parameters ... 38
    Using a Template with Flat mode Parameters ... 45
Closing a Job ... 49
Exiting the Preview Application ... 50

3 Previewing a Brisque Packaging Job 51

Overview ... 52
Activating the Preview Application ... 53
Verifying the Availability of Elements ... 56
Verifying the Step-and-Repeat Layout ... 57
Previewing Elements or Marks in High Resolution ... 58
    Viewing Layout Separations ... 59
Exiting the Preview Application ... 60

1 Introduction

Overview 2
Phase 1 - Single Element Design and Handling 3
Phase 2 - Package Step-and-Repeat Layout 4

Overview

If you need to step-and-repeat labels, tags and flexible bags, you will find all the required tools in the Brisque Pack **Preview** workspace. In Preview, you can place RIPed single elements (Brisque Pages containing CT and LW files that represent a single package) on a layout. The placed elements can then be stepped and repeated according to the requirements of the printer or converter. You save the step-and-repeat layout as a **Brisque Packaging (PKG) Job** when the elements overlap or as a Brisque Imposition Job when there is no overlap of elements.

The Brisque Packaging Job contains a mask page that describes the layout and a link to the high-resolution data. The Brisque Packaging Job can be soft proofed (Preview) and sent to any output device supported by Brisque, including color proofers, imposition proofers, imagesetters, platesetters for offset or flexo, as well as gravure cylinders.



Tip: Use **Preview** when your packaging layout is not based on a CAD file, when it contains rectangular elements, simple nested jobs and does not require complex bleed adjustment.

The Brisque Pack step-and-repeat workflow consists of two phases. Phase 1 refers to the handling of the single package unit design. Phase 2 refers to the handling of the entire step-and-repeat layout.

The following chapters describe how to create a step-and-repeat layout and save it as a Brisque Packaging Job (Phases 1 and 2 of the Brisque Pack step-and-repeat workflow), and how to preview a Brisque Packaging Job in the Brisque Pack **Preview** workspace.

Phase 1 - Single Element Design and Handling

The procedures for handling a single element design involve basic Brisque operations, which are not described in detail in this document. However, we provide a basic outline of the actions required and provide references to relevant documentation where applicable.

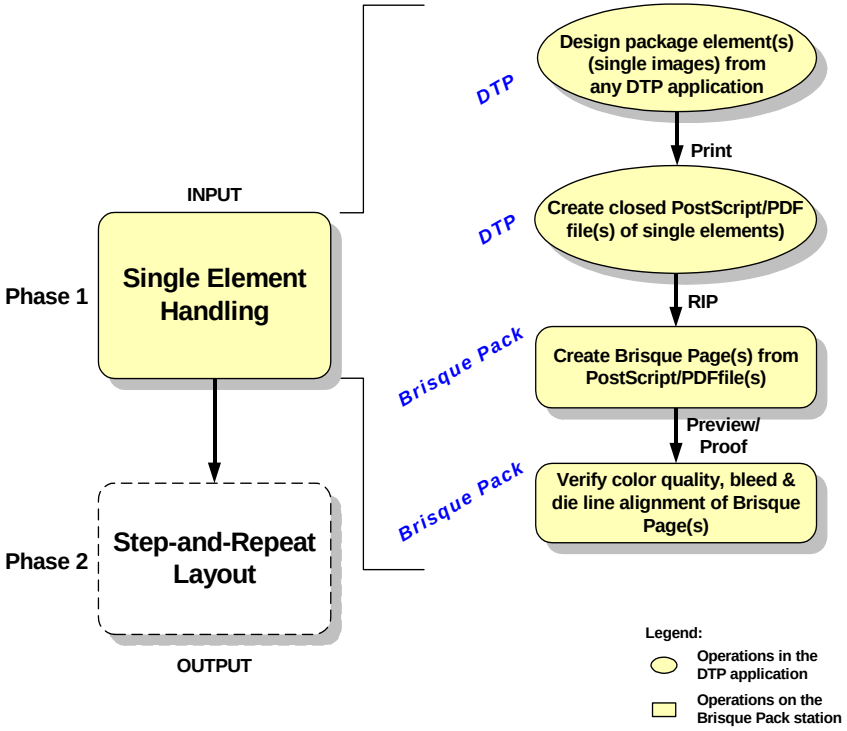


Figure 1: Typical Brisque Pack step-and-repeat workflow (Phase 1)

Phase 2 - Package Step-and-Repeat Layout

After completing your package design (PostScript or PDF file) and creating a RIPed Brisque Page of each element in the design, as described in *Phase 1 - Single Element Design and Handling on page 3*, you continue with Phase 2 which completes the Brisque Pack step-and-repeat workflow.

Phase 2 involves working in the Brisque **Preview** workspace. We begin by creating a step-and-repeat layout and then create an output ready Brisque Packaging Job.

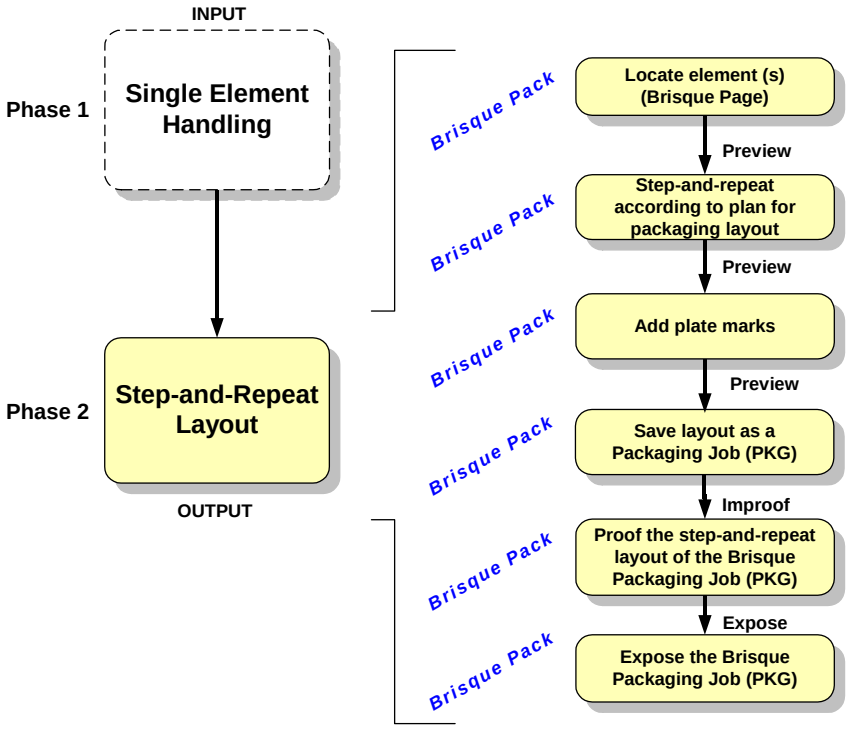


Figure 2: Typical Brisque Pack step-and-repeat workflow (Phase 2)

2

Working with a Packaging Layout

Overview 6
Creating A New Layout 7
Defining the Size of the Step-and-Repeat Layout 9
Adding Elements to the Layout 10
Saving the Layout 31
Modifying an Existing Brisque Packaging Job 34
Using a Template with the Arrange Operation 38
Closing a Job 49
Exiting the Preview Application 50

Overview

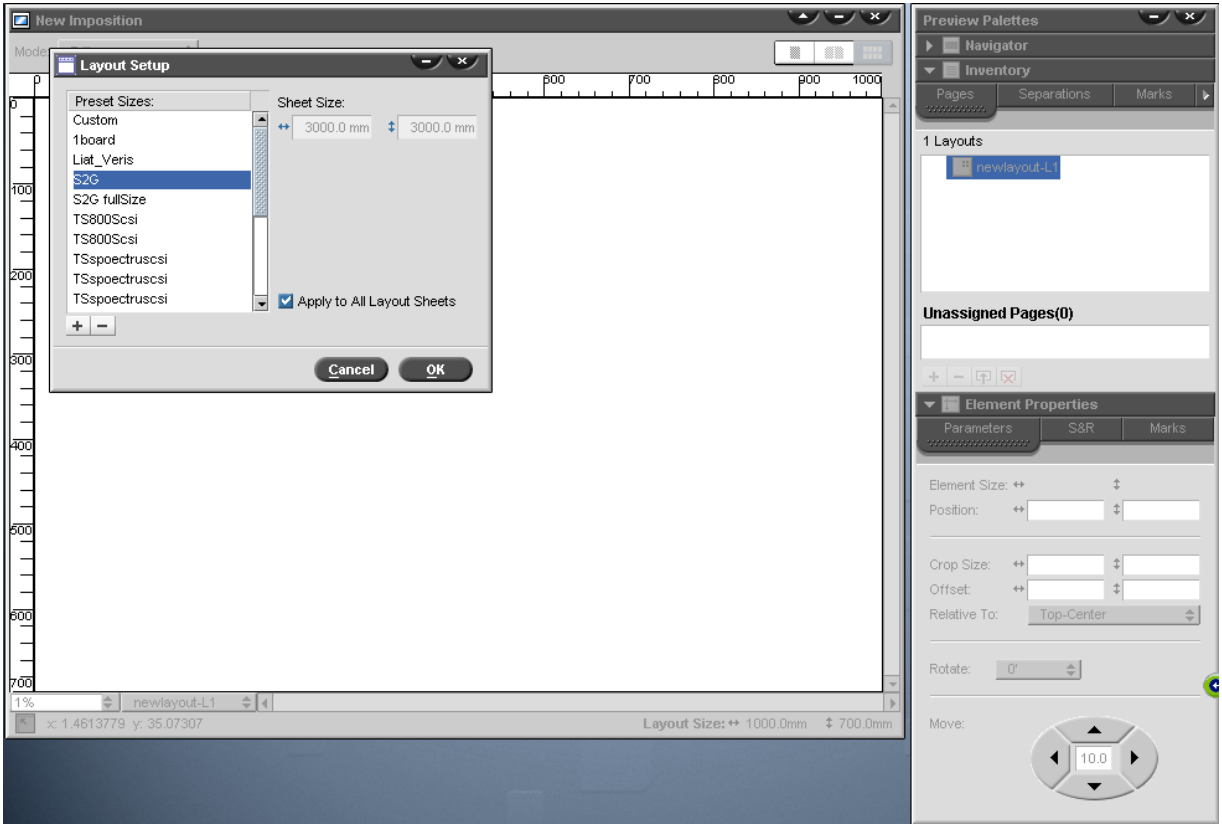
This chapter describes how to work with step-and-repeat (Packaging) layouts using the **Preview** workspace in Brisque.

- You can create step-and-repeat layouts in Brisque and also modify full Brisque Packaging Jobs that were originally created in other step-and-repeat applications.
- You can use the **Preview** workspace to create layouts by selecting the elements and marks that will make up the printed sheet and placing them on the layout in the display window. The relative sizes and positions of the different elements are graphically displayed. The resulting layouts can be saved and then exposed to film, plate, cylinder or proof.
- You can create a step-and-repeat layout with one element (high-resolution) and positioning instructions for all its repetitions.
- You can add plate marks and sets of marks to a Brisque Packaging Job, replace an element or rearrange elements in the Brisque Packaging Job. These options can be applied to a Brisque Packaging Job that was originally created in the Preview workspace.

Creating A New Layout

To create a new layout:

1. In Brisque, access the Preview workspace by clicking ▶ Preview on the main tool bar.
2. From the **File** menu, select **New Imposition**. The display window, the Layout Setup dialog box, and the Preview Palettes window are displayed.



The display window, the Layout Setup dialog box, and the Preview Palettes window are shown above. The Preview Palettes window contains the **Navigator** palette, the **Inventory** palette and the **Elements Properties** palette.

The **Navigator** palette indicates which part of the image is shown in the display window. It always displays the entire image regardless of how much of the image is displayed in the display window. A rectangle surrounds the area of the image that appears in the display window.

The **Inventory** palette displays information about the layout, its separations, marks and Pages. It contains the **Pages** tab, the **Separations** tab and the **Marks** tab. For a detailed description of the tabs, see the *Working in the Preview Workspace* book in the *Brisque version 5.1 online help system.*

The **Element Properties** palette displays information relating to the selected element in the display window and contains the **Parameters** tab, the **S&R** tab and the **Marks** tab. For a detailed description of the tabs, see the *Working in the Preview Workspace* book in the *Brisque version 5.1 online help system.*

The **display window** shows a graphic representation of the relative sizes and positions of the different elements in the step-and-repeat layout.

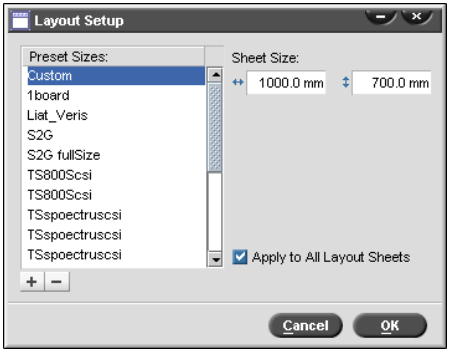
The Preview toolbar above the **display window** contains tools that enable you to easily perform certain functions, and zooming of the display window. These functions are described in the *Working in the Preview Workspace* book in the *Brisque version 5.1 online help system.*

The layout size and name appear at the bottom of the display window. The Job name (once the layout is saved as a Brisque Imposition Job or a Brisque Packaging Job) appears at the top of the display window.

Defining the Size of the Step-and-Repeat Layout

You can redefine the size of the layout area in the Layout Setup dialog box.

➢ To access the layout parameters, from the **File** menu, select **Layout Setup**; the following dialog box is displayed. The displayed default values match the connected output device.



Sheet Size

Defines the size of the layout area.

Note: The range of height and width values is from 100 to 4600mm in both directions. You cannot define a value outside of this range.

➢ Type a value in the width and height boxes and click **OK**; the new values appear on the bottom of the display window, and the Rulers reflect the defined Layout Area.
Alternatively, select a size option from the **Preset Sizes** list. This list contains the height and width values of the connected imagesetter and/or platesetter as follows:

- For an imagesetter—height and width of the cassette(s)
- For a platesetter—height and width of the press format
- For a thermoflex platesetter—height and width of the available media size

Note: You cannot reduce the plate size if the elements already placed on the area exceed the reduced Layout Area. You must first manipulate the elements so that they will fit into the reduced Layout Area.

Note: All other options displayed in the Layout Setup dialog box are unavailable for Brisque Packaging Jobs.

Adding Elements to the Layout

You create a layout by placing different elements (Brisque Pages and marks) in the display window. First you create lists of elements, in the **Pages** or **Marks** tabs of the Inventory palette. Then place elements from the lists on the layout.

the following section describes how to create and then position the elements.

Page Elements

Normally, the elements that you add to the list in the **Pages** tab of the Inventory palette, are individual Brisque Pages created by the **RIP** or **Translate** operations.

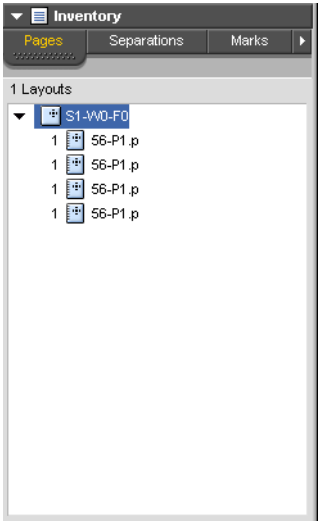


Figure 3: Inventory palette displaying a list of four elements on the **Pages** tab.

Note: When you create a new step-and-repeat layout by dragging a Job/Page to the Preview icon, the tabs contain the Job/Page information.

To add an element to the layout:

1. On the **Pages** tab of the Inventory palette, select the Brisque Layout to which you want to add a Brisque Page.
2. Click .
3. In the Add dialog box, browse to the Brisque Job/Brisque Page/CT/LW file that you want to add, select it and click **Choose.**

   The elements you choose are added to the **Unassigned Pages** list on the Pages tab.



Note: You can add all the Brisque Pages in a Brisque Job by adding the Brisque Job.

4. Repeat this step as necessary, to add multiple elements to the **Unassigned Pages** list on the **Pages** tab.



Note: If you are creating a Brisque Layout that uses the same file in different ways or in different places, you must add that file to the list as many times as you intend to place it. If however, you want to include multiple copies of one file, each positioned the same way, and originating from one point on the layout, you can add the file once using Step & Repeat. For information, see *The S&R Tab* on page 21.

5. In the **Unassigned Pages** list, select the element you had just added, and drag it onto the layout in the display window.

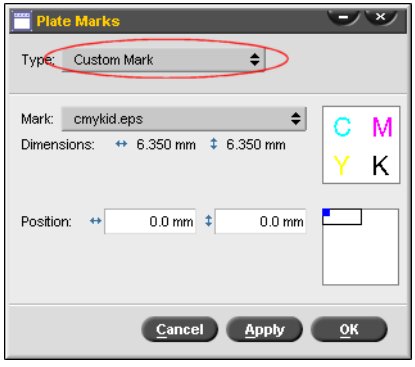
Mark Elements

The elements that you add to the list of the **Marks** tab in the Inventory palette are mark files (and sets of marks) to be included in the layout. The mark files you add to the layout must exist in the Brisque Resource Center. There are four types of marks that you can add: custom marks, media sets, media labels, and color strips

You can create your own custom marks and sets of marks, and save them in the Brisque Resource Center. For details see the *Using Marks and Mark Sets* book in the *Brisque version 5.1 online help system*.

To add a custom mark to the Marks list:

1. In the Inventory palette, click the **Marks** tab.
2. Select the Layout to which you want to add the marks.
3. Click .
4. From the Plate Marks palette, in the **Type** box, select **Custom Mark**.



5. In the **Mark** box, select the mark you want to add.
6. In the **Position** boxes, define the horizontal and vertical positions of the mark.
7. Click **Apply**.
8. Repeat steps 5 to 7 for all of the marks that you want to add.
9. Click **OK**.



Note: If an element that you want to add does not appear in the **Marks** box of the Plate Marks palette, you can add it to the list, by adding it to the Marks library in the Resource Center. For details, see the *Using Marks and Mark Sets* book in the *Brisque version 5.1 online help system*.

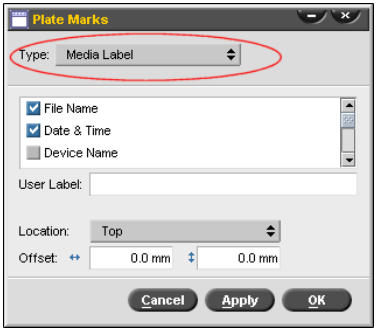
To add a media set to the Marks list:

Note: To create a media set (mark set), see the *Using Marks and Mark Sets* book in the *Brisque version 5.1 online help system*.

1. In the Inventory palette, click the **Marks** tab.
2. Select the Layout to which you want to add the marks.
3. Click +.
4. From the Plate Marks palette, in the **Type** box, select **Media Sets**.
5. From the list, select the media set you want to add and click **Apply**.
6. Repeat step 5 if you want to add additional media sets.
7. Click **OK**.

To add a media label to the Marks list:

1. In the Inventory palette, click the **Marks** tab.
2. Select the Layout to which you want to add the marks.
3. Click +.
4. From the Plate Marks palette, in the **Type** box, select **Media Label**.

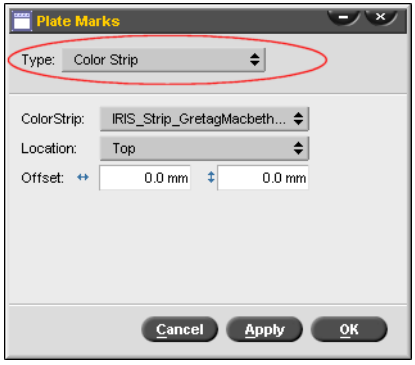


5. From the list, select the media labels you want to add.
6. In the **User Label** box, type any text you want to use as for a personalized label.
7. In the **Location** box, select the position of the label.
8. In the **Offset** boxes, type values for the horizontal and the vertical offset.
9. Click **Apply**.

10. Repeat steps 5 to 9 for all of the media labels that you want to add.
11. Click **OK**.

To add a color strip to the Marks list:

1. In the Inventory palette, click the **Marks** tab.
2. Select the Layout to which you want to add the marks.
3. Click .
4. From the Plate Marks palette, in the **Type** box, select **Color Strip**.



5. In the **ColorStrip** box, select the color strip you want to add.
6. In the **Location** box, select the position of the color strip.
7. In the **Offset** boxes, type values for the horizontal and the vertical offset.
8. Click **Apply**.
9. Repeat steps 5 to 8 for all of the media labels that you want to add.
10. Click **OK**.

After you finish adding marks (custom marks, media sets, media labels or color strips), the added mark(s) are listed under the **Marks** tab of the Inventory palette.

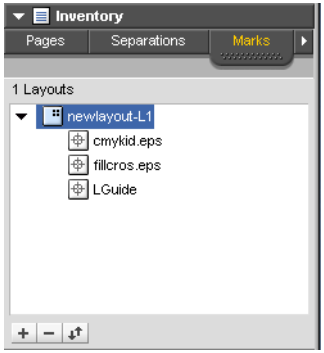


Figure 4: Marks listed in the **Marks** tab of the Inventory palette

For details on adding marks to a Page (element), see *Upper Left Element on page 27*.

Positioning Elements

Once the elements you want to include in the layout appear in one of the lists, you can define their positions, one at a time. When placing Page elements on the layout, you can also add Page marks, and use the step-and-repeat feature.

The Element Properties palette, enables you to manipulate the selected element by setting or changing values in the **Parameters**, **S&R** and **Marks** tabs, as described on the next pages.

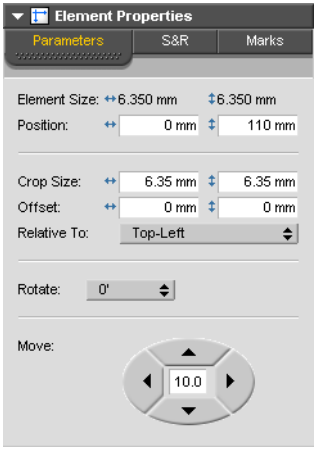


Figure 5: The **Parameters** tab of the Element Properties palette

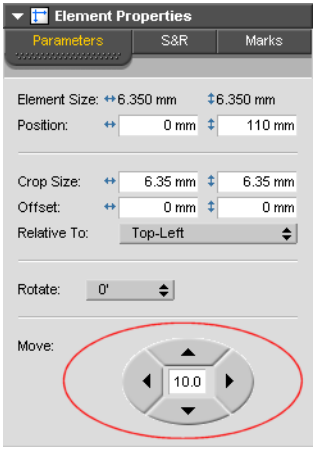
To place or reposition an element in the layout:

1. Select an element from either the **Pages** or the **Marks** tabs of the Inventory palette, or in the display window (if the element is already placed).
2. On the **Parameters** tab of the Element Properties palette, define the values for positioning the element as follows:
   - **Element Size:** Indicates the size of the selected element. You cannot edit these boxes.
   - **Position:** Type a value in the width and height boxes to specify the required location of the element on the layout.



Tips: You may want to use guide lines while positioning elements on the layout and to check their alignment. To do so, from the **View** menu, select **Guides** and then **Show**.
Use a grid to help you position the elements and check their alignment. See *Using a Grid on page 19* for details.

- **Crop Size:** Enables you to crop the selected Page or mark element.
- **Offset:** Enables you to move the [0,0] coordinate of the crop to a specific place on the element, not necessarily on the edge of the element.
- **Relative To:** Enables you to align the position of the crop. This parameter determines from where the image is offset
- **Rotate:** Enables you to rotate the selected element 0°, 90°, 180°, or 270°.
- **Move:** Enables you to move the selected element in any direction according to a defined distance. To do so, type a distance increment value (in units configured for your system) in the box located between the move arrows and click the move arrows in the direction you want the element to move.



➢ To reposition an element that already appears on the layout, select it, and then redefine the parameters in the Parameters dialog box.

Or, click the **Select**  tool, click the element in the layout, and drag it to another location.



Tip: You can use the **Select** tool to select several elements and then move them together.

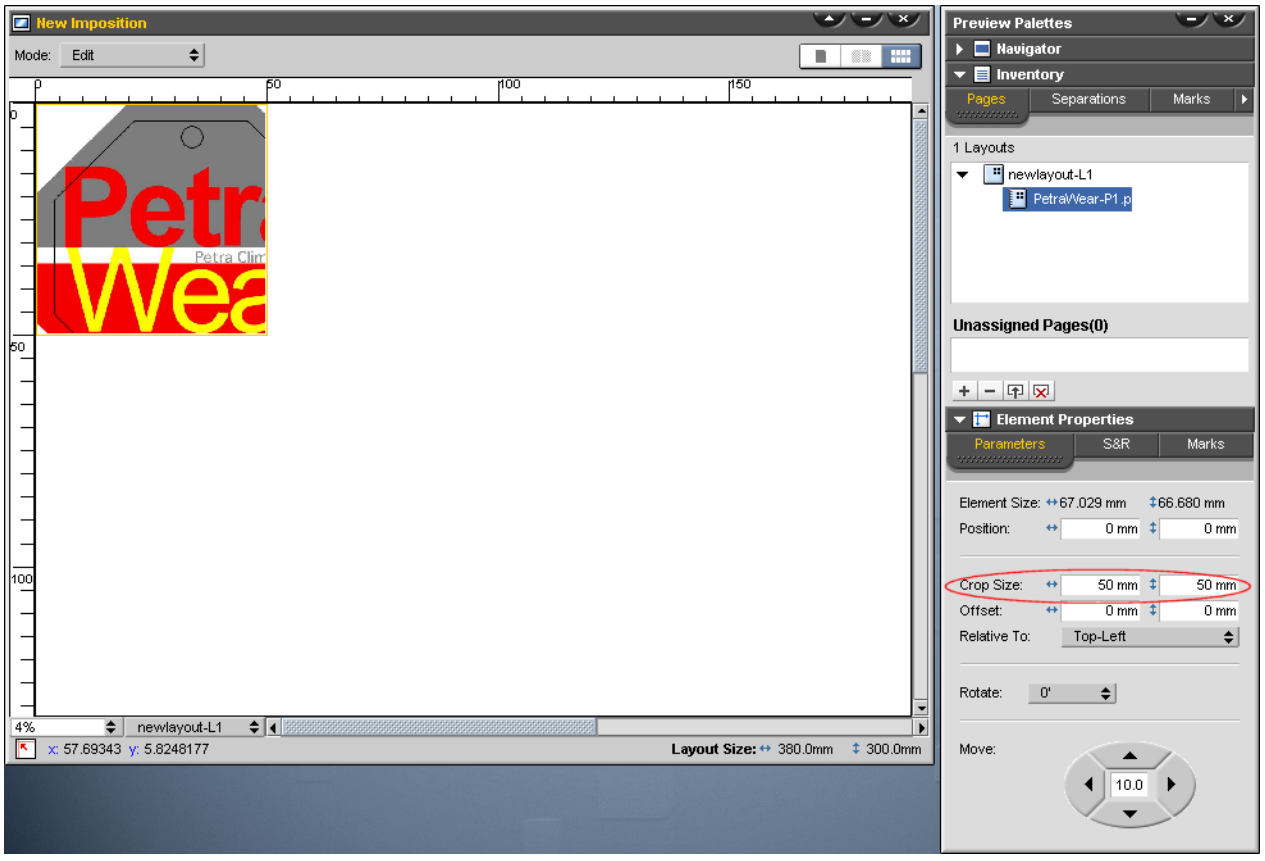


Figure 6: An Example of **Crop** parameters (**Crop Size**, **Relative to**, **Offset**)

Once an element appears in the layout, you can select it from the list or in the display window. A selected element is bordered **orange** in the display window.

Overlapping Elements

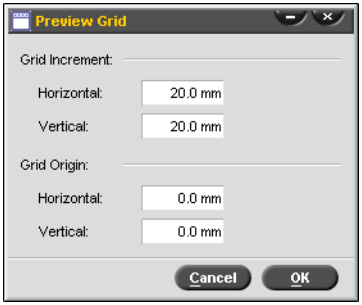
➢ To check if adjacent elements in the layout overlap each other, from the **View** menu, select **Show Page Overlap**; in the display window, overlapping areas are displayed with a flashing red and blue color effect. This effect automatically disappears after a few seconds.

Using a Grid

You may want to use a grid when positioning elements on the layout.

To define the settings of the grid:

1. From the **View** menu, select **Grid** and then **Edit**; the Preview Grid dialog box is displayed.

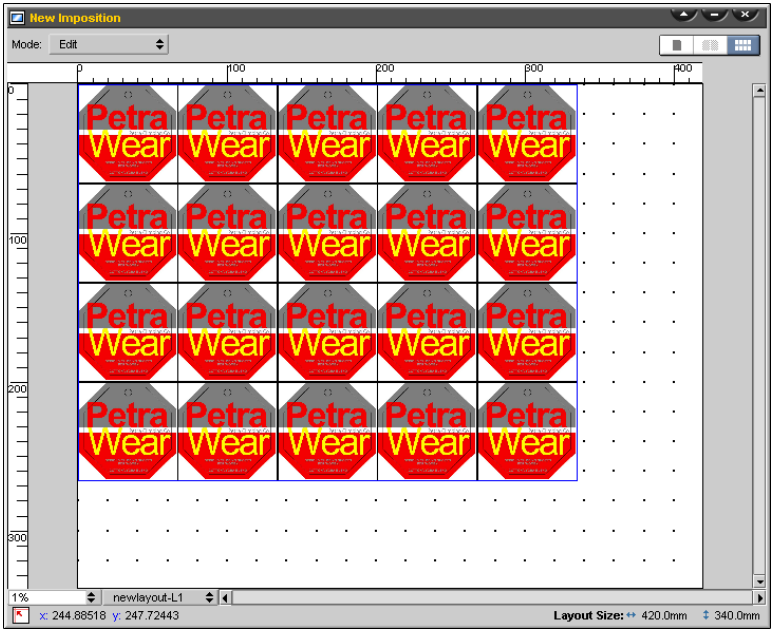


2. Define the settings of **Grid Increment** and **Grid Origin** and Click **OK**.

To display the grid:

➢ From the **View** menu, select **Grid** and then **Show**.

The display window displays the grid according to the defined settings.



Use the **Snap to Grid** option to automatically place images along the grid.

When you move an element, it moves until the edges are aligned with the nearest grid lines. The **Snap to Grid** option does not affect elements already placed in preview. You need to move the element again to align it.



Note: You must display the grid before you can select the **Snap to Grid** option.

To snap elements to the grid:

- From the **View** menu, select **Grid**, then **Snap to Grid**.

To hide the grid:

- From the **View** menu, select **Grid** and then clear the **Show** check box.

The S&R Tab

Use the **S&R** tab of the Element Properties palette to include multiple copies of one element on the layout (Page elements and marks).

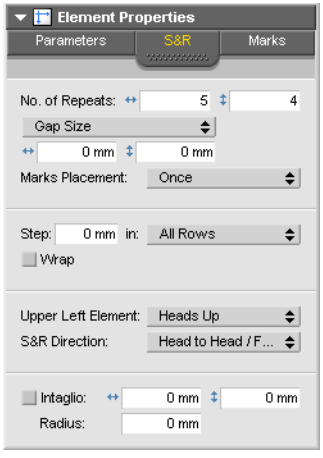
To use the step-and-repeat option:

1. From the **Pages** tab of the Inventory palette or in the display window, select the element(s) that you want to step-and-repeat.



Tip: To select multiple elements, in the list, press SHIFT and click each of the elements. Then apply the same step-and-repeat parameters to all of the elements at once.

2. From the Element Properties palette, click the **S&R** tab; the following parameters are displayed.



No. of Repeats

Defines the number of times the image is repeated vertically and horizontally.

The repeated elements are grouped together. Any operation you perform is performed on all of the grouped elements.

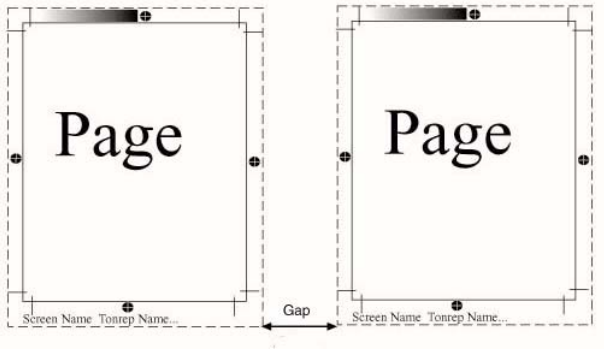
➢ To ungroup the elements, from the **Modify** menu, select **Ungroup**.



Note: After ungrouping, if you regroup the elements, the step-and-repeat parameters are lost.

Gap Size

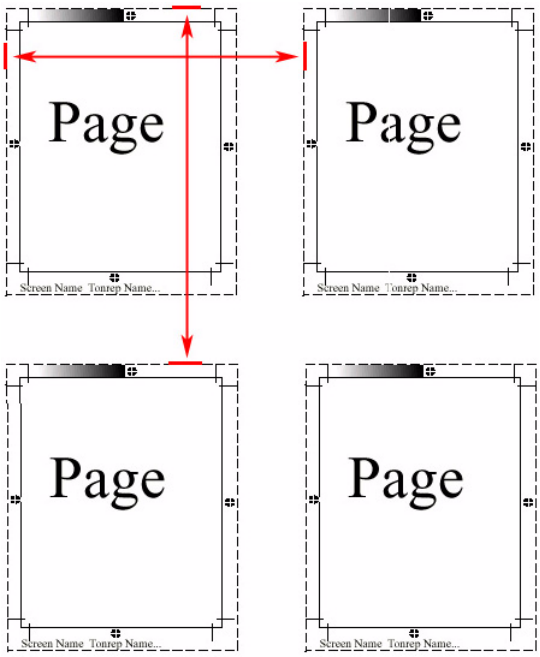
Indicates the vertical and horizontal space between each repetition of the image.



Important: Use a negative gap value when you want images to be nested. But remember that the overlap of the elements must be only between an LW or CT data area of one element over the white LW area of the other element.

Displacement Offset

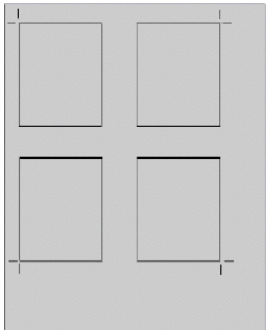
Indicates the sum of the element's height/width plus the vertical/ horizontal distance between each element.



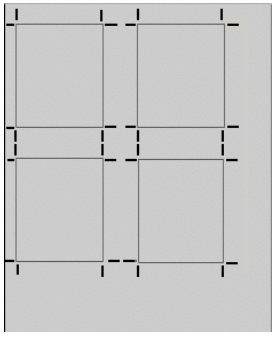
Marks Placement

Indicates where all the page marks that are selected for this S&R instance are placed.

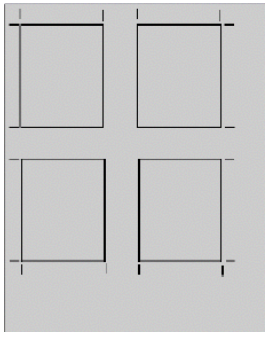
Select **Once** to insert each user defined Page mark (see *Upper Left Element on page 27* for instructions on defining Page marks) only once, next to the group of repeated Pages.



Select **Per Copy** to insert the user defined Page marks around each repetition of the element.



Select **Outside** to insert the user defined marks only around the outside of the layout.



Step

Indicates the width offset (in mm) of the element from one row to another in order to stagger the element.

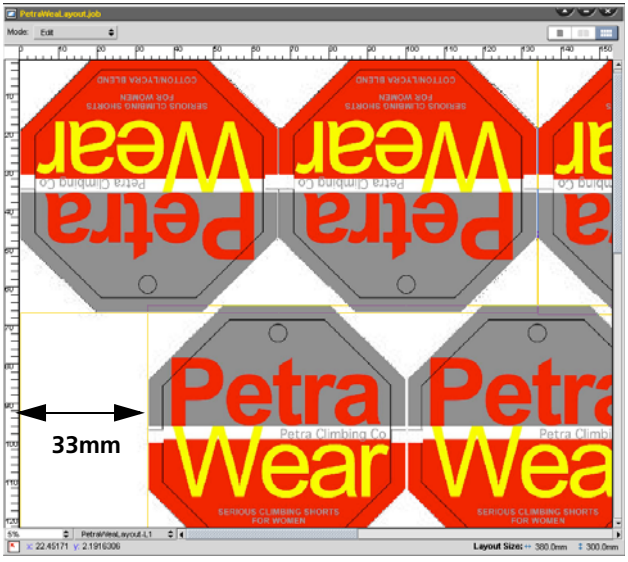


Figure 7: An example of the **Step** parameter

You can select to step the elements in **All Rows,** only in **Even Rows,** or only in **Odd Rows**.

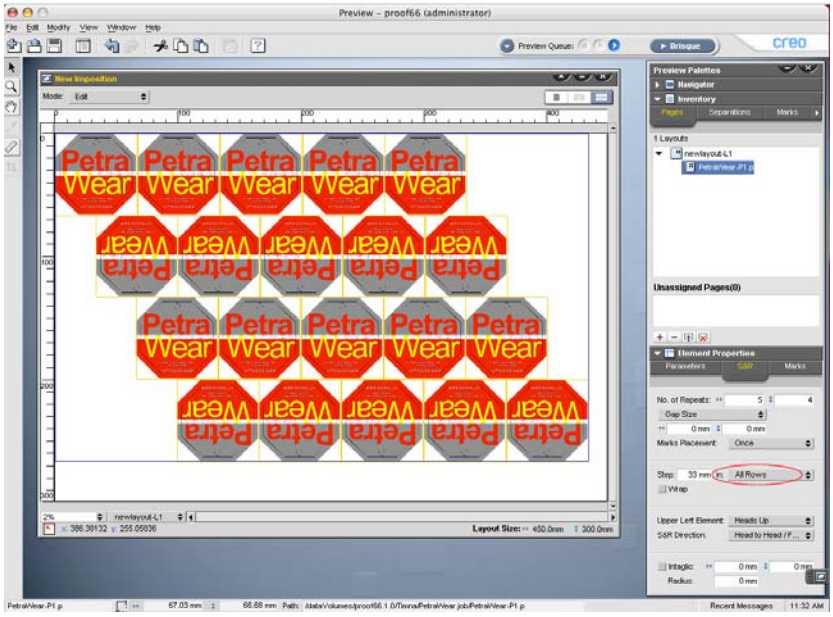


Figure 8: Step Elements in All Rows

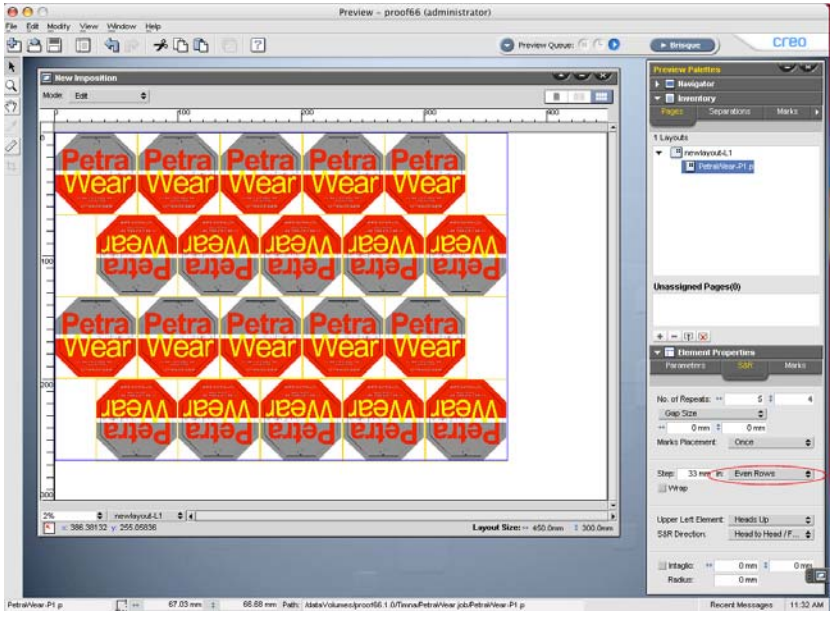


Figure 9: Step Elements in Even Rows

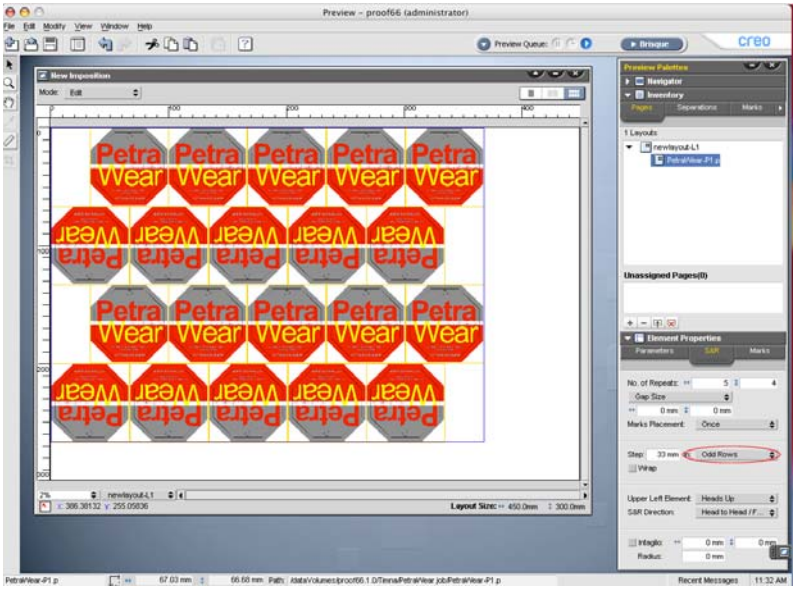


Figure 10: Step Elements in Odd Rows

Wrap

Allows you to wrap the stepped elements around the cylinder, when using a gravure cylinder.

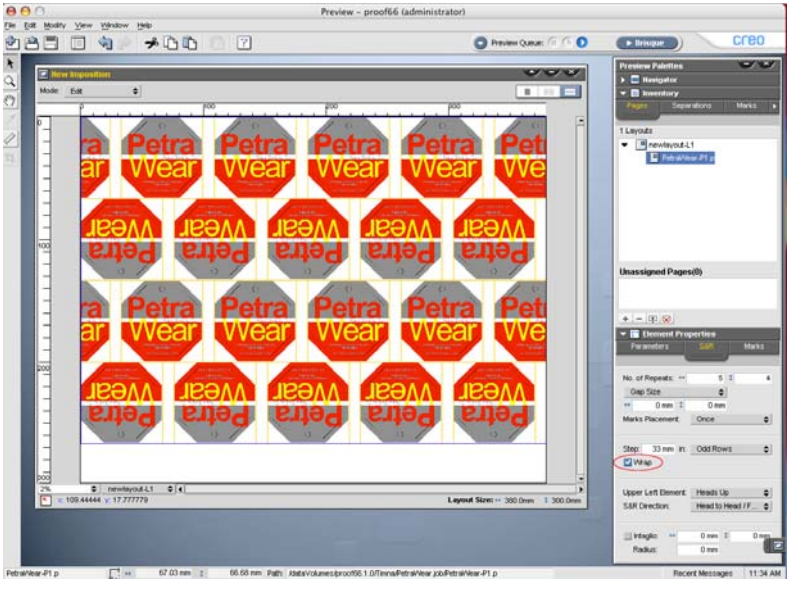


Figure 11: An example of **Wrap**

You can define the orientation of elements in a step-and-repeat spread by setting the upper-left element's orientation and by setting what direction all the elements face. The rest of the elements in the spread are then oriented relative to the upper-left element.

Upper Left Element

Heads Up: The first element in the list is oriented with the top of the element facing up.

Heads Down: The first element in the list is oriented with the top of the element facing down.

Heads Right: The first element in the list is oriented with the top of the element facing right.

Heads Left: The first element in the list is oriented with the top of the element facing left.

S&R Direction

Head to Foot / Foot to Head: Starting with the first element in the step-and-repeat spread, the rows of elements are laid out with the head of the element as defined, opposite the foot of the element of the subsequent rows of elements.

Head to Head / Foot to Foot: Starting with the first element in the step-and-repeat spread, the rows of elements are laid out with the head of the element as defined, opposite the head of the element of the next rows of elements.

Intaglio

Select this option to compensate for misregistration due to fanout. This usually occurs if you use more than one printing method (such as offset and embossing).

➢ For a linear correction, select **Intaglio**, type the horizontal correction value in the box, and the vertical correction value in the box and press ENTER.

For a non-linear (curved) correction:

1. Select **Intaglio**, type the horizontal correction value in the box, and the vertical correction value in the box and press ENTER.
2. Type the correction value in the **Radius** box and press ENTER.

Page Mark Tab

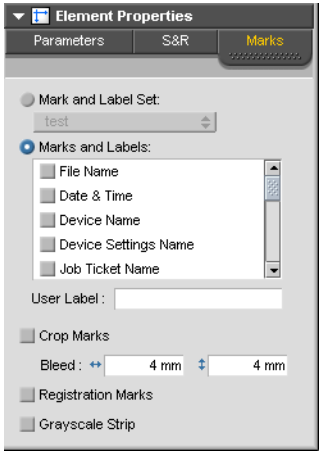
You can add Page marks to any element on the layout. If an element is positioned on the edge of the layout, when you add Page marks, they may go beyond the defined display window and you will not be able to save the layout. Move the element away from the edge until both the element and the Page marks are within the defined display window.

You can add sets of marks to any Page element. For details on creating sets of marks, see the *Using Marks and Mark Sets* book in the *Brisque version 5.1 online help system*.

For details about adding marks and/or sets of marks to the layout, see *Mark Elements on page 12*.

To add Page marks to the selected Page element:

1. From the **Pages** list of the Inventory palette or in the display window, select a mark element.
2. From the Element Properties palette, click the **Marks** tab; the following parameters are displayed.



3. To add a set of marks, select the **Mark and Label Set** option, then select a set from the list.

4. To add individual marks, select the **Marks and Labels** option, then perform the following steps:

   a. To include any of the labels listed in the **Marks and Labels** list, select the check box next to the label that you want to add to the layout.

   b. To include a customized label, in the **User Label** box, type the text that you want to appear in the layout.

   c. To add crop marks, select the **Crop Marks** check box.



Note: If you select the **Crop Marks** option, you must define the **Bleed** to indicate the position of the crop marks relative to the Page. (The minimum bleed value is 4 mm.)

   d. To add registration marks, select the **Registration Marks** check box.

   e. To add a grayscale strip, select the **Grayscale Strip** check box.



Note: Make sure that the length of the Page element is at least the length of the Grayscale. Otherwise an error message indicates that there is no room for the Grayscale because the Page is too small.

Viewing the Layout

The Preview application provides several layout display modes. For details, see *Verifying the Step-and-Repeat Layout on page 57*.

Viewing Layout Separations

See *Viewing Layout Separations* on page 59.

Replacing an Element

You can easily replace an element already positioned on the layout. The new element inherits the defined crop, rotation, and step-and-repeat parameters from the element it is replacing.

To replace an element in the layout:

1. From the **Pages** or **Marks** tab of the Inventory palette, or in the display window, select the element that you want to replace.

Note: To replace a single element, the elements must be ungrouped. If the elements are **grouped**, all elements will be selected and replaced.

2. On the right-hand side of the Inventory palette, click  and select **Replace**.
3. In the Replace dialog box, browse to the Brisque Page that you want to place in the layout.
4. Select the Page and click **Choose**.

Deleting an Element

To delete an element from the layout:

1. From the **Pages** or **Marks** tab of the Inventory palette, or in the display window, select the element that you want to delete.

Note: To replace a single element, the elements must be ungrouped. If the elements are **grouped**, all elements will be selected and replaced.

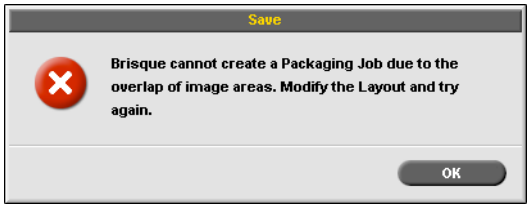
Note: You can delete one mark of a mark set. When you select any mark, even a mark placed on the layout as part of a mark set, only that mark is selected, and deleted.

2. Click .

Saving the Layout

Once you have defined and placed elements on the layout, you can save the layout.

In order to save a step-and-repeat layout as a Brisque Packaging (PKG) Job, the overlap of the elements must be only between a LW or CT data area of one element over the white LW area of the other element. If not, the layout is not saved and the following message is displayed.



To save the layout for the first time:

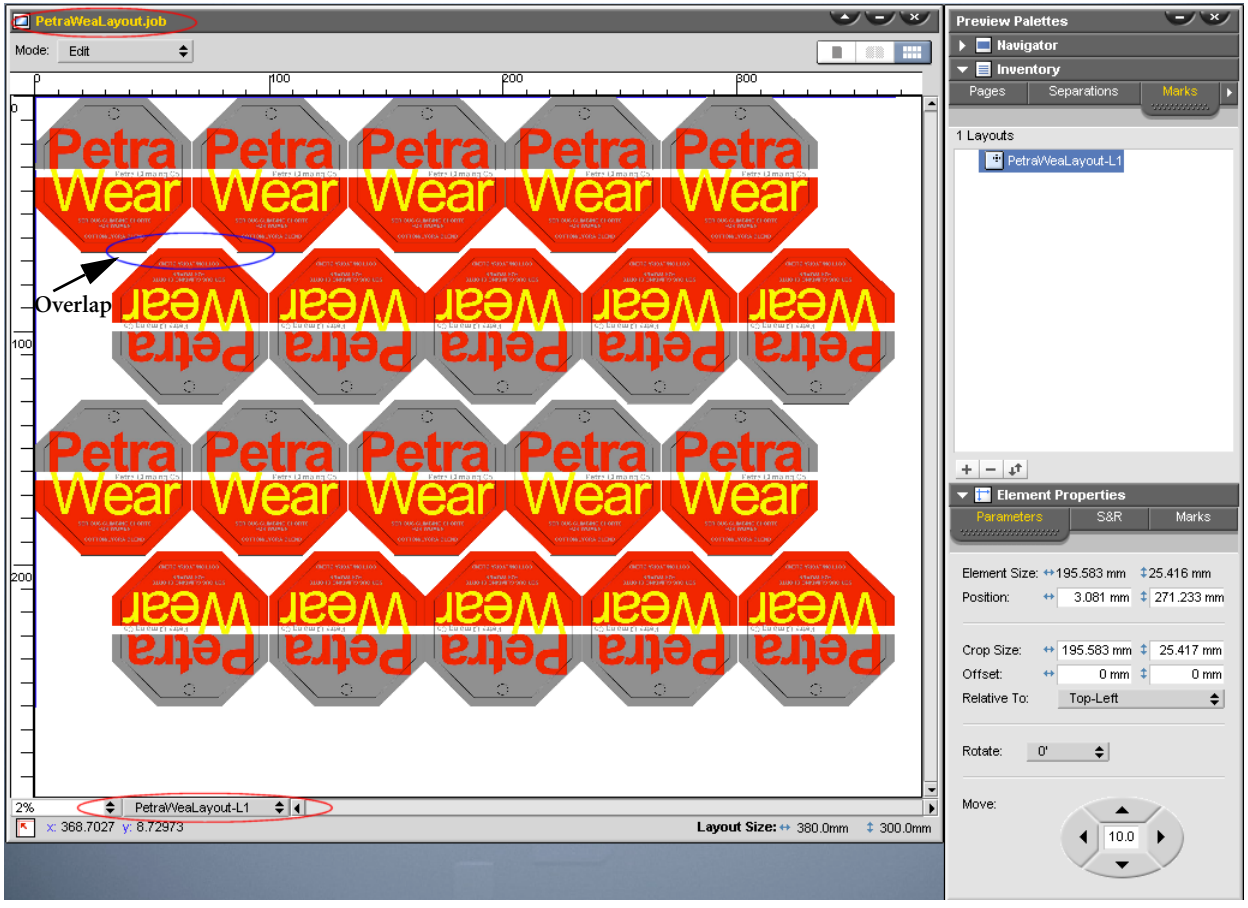
1. From the **File** menu, select **Save As**; the Save As dialog box is displayed.
2. In the Save As dialog box, browse to the location in which you want to save the file.
3. In the **File Name** box type a name for the layout.



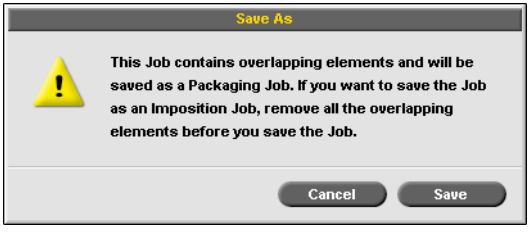
Important: The name of the layout should not include spaces or special characters other than letters, digits and the underscore character.

4. Click **Save**.

The **.job** extension is automatically added to the file name, which is shown in the header of the display window, and the Brisque Layout is renamed accordingly.



If the layout includes overlapping Page elements, the resulting Job is a Brisque Packaging (PKG) Job.



The **Brisque Packaging (PKG) Job** displays the special Brisque Packaging Job icon in the File Browser and has a **.job** extension.

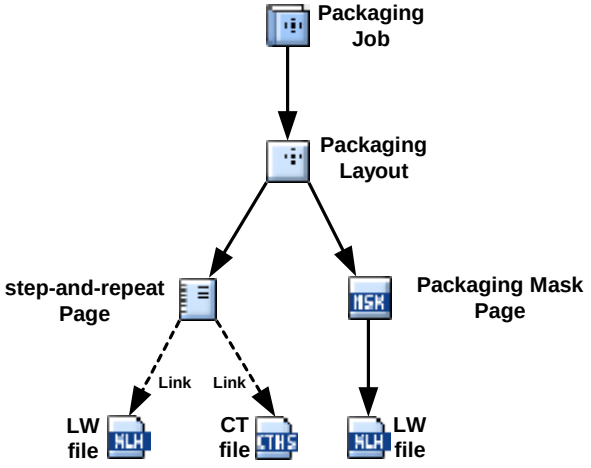


Figure 12: The structure of a Brisque Packaging (PKG) Job

Modifying an Existing Brisque Packaging Job

You can always modify a Brisque Packaging Job by adding, deleting, replacing, or modifying elements.

To modify an existing Brisque Packaging Job:

1. While pressing the CTRL key, drag a Brisque Packaging Job from the File Browser onto the **Preview** icon in the **Operations** panel.

   If an element is unavailable, a large 'X' appears over the layout in the display window. This  icon appears next to the file name and this  icon appears next to the layout name in the **Pages** tab of the Inventory palette.

   An element may be unavailable because it cannot be found in the location defined by the Brisque Packaging Job or because Brisque cannot access the designated location (for example, when the element resides on another DataVolume that is not mounted).

   Any elements that appeared in the **Pages** tab the last time you opened the file, but that were not used in the layout, no longer appear.

2. Modify the Job as necessary, using the features described throughout this chapter.

3. Recreate mask, if necessary. See *Recreating the Mask of a Brisque Packaging Job* on page 35.

4. From the **File** menu, select **Save**; the Job is updated. You can continue to work on this file, or you can close it.

   If you use the **Save As** command to save the modified Job under a new name, although the Job name is changed, the layout name and the names of the elements in the lists remain the same as the original Job name.



Note: You can undo changes made to the Job since the last time it was saved by selecting **Revert** from the **File** menu.

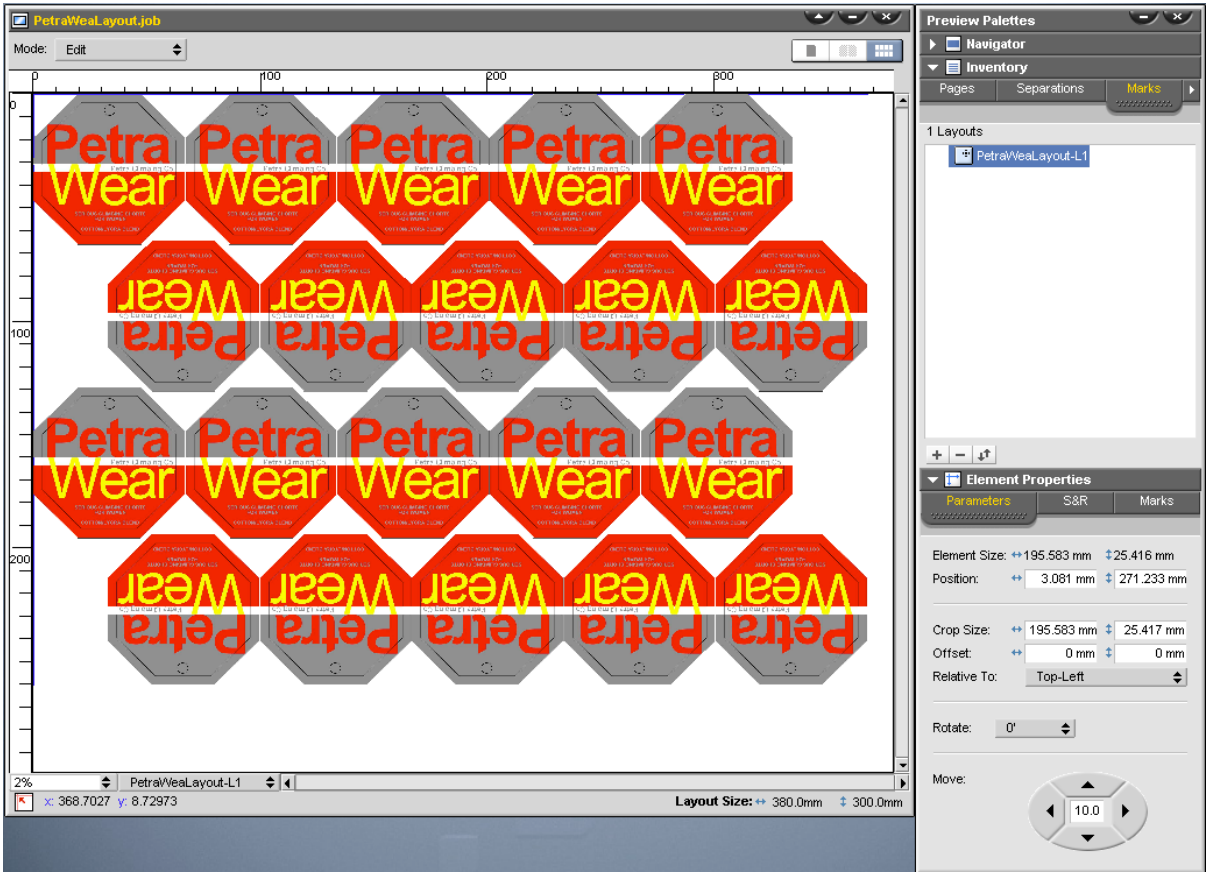
Recreating the Mask of a Brisque Packaging Job

If you move an element(s) or add an element(s) in a Brisque Packaging Layout, you can recreate the mask to match the new position of the element.

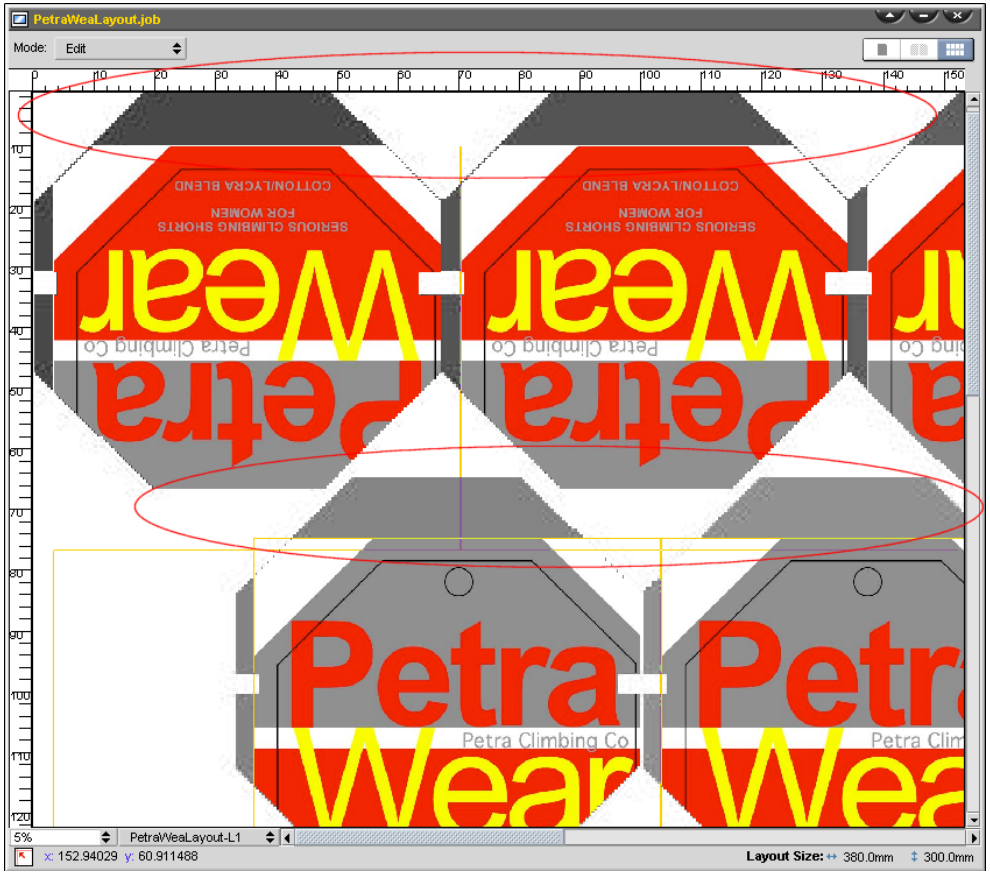
To move an element in the layout, first you must ungroup the elements. To do so, from the **Edit** menu, select **Ungroup**. After you ungroup the elements, each element is an individual element and the step-and-repeat values in the **S&R** tab of the Element Properties palette disappear.

To recreate the mask of a Brisque Packaging Job:

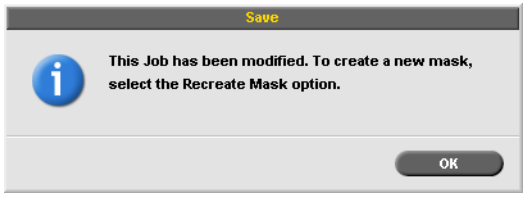
1. Open the Brisque Packaging Job in the **Preview** workspace.



2. Move the element(s) as required; the display window shows a black area in the previous location of the element moved and the image is cut off in the area that is under the mask.

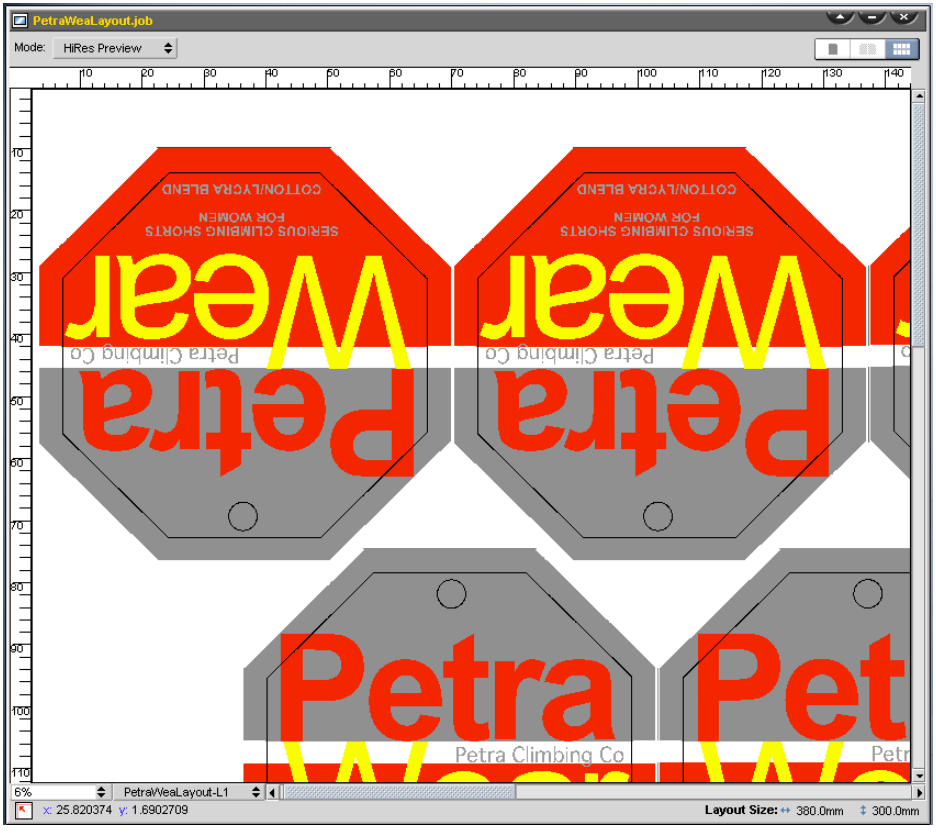


3. If you try to save the modified Brisque Packaging Job, the following message appears.



4. Click **OK**.

5. From the **Modify** menu, select **Recreate Mask**; the mask is recreated according to the new position of the moved element and the Brisque Packaging Job is saved.



Note: The **Recreate Mask** option can be used only with Brisque Packaging Layouts created in the Brisque Preview workspace.

Using a Template with the Arrange Operation

The Brisque **Arrange** operation enables you to automatically arrange elements in a layout. When you include the **Arrange** operation in a template, you can use one of two options as follows:

- Step & Repeat
- Flat mode

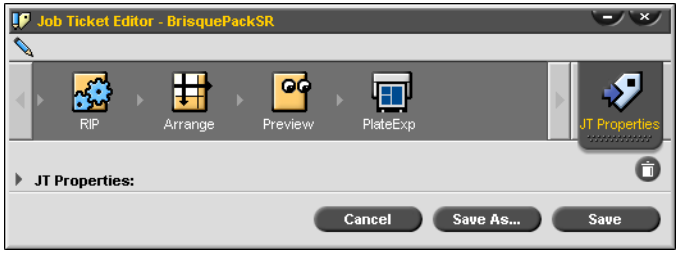
Using a Template with Step-and-Repeat Parameters

You can define an automated workflow for creating a layout with a repeated element, by including the Arrange operation with specific step-and-repeat parameters in a template.

Note: You can only repeat one element in this automated workflow. Therefore, you can use this template only with a Brisque Page, or a Brisque Job that contains a single Brisque Page.

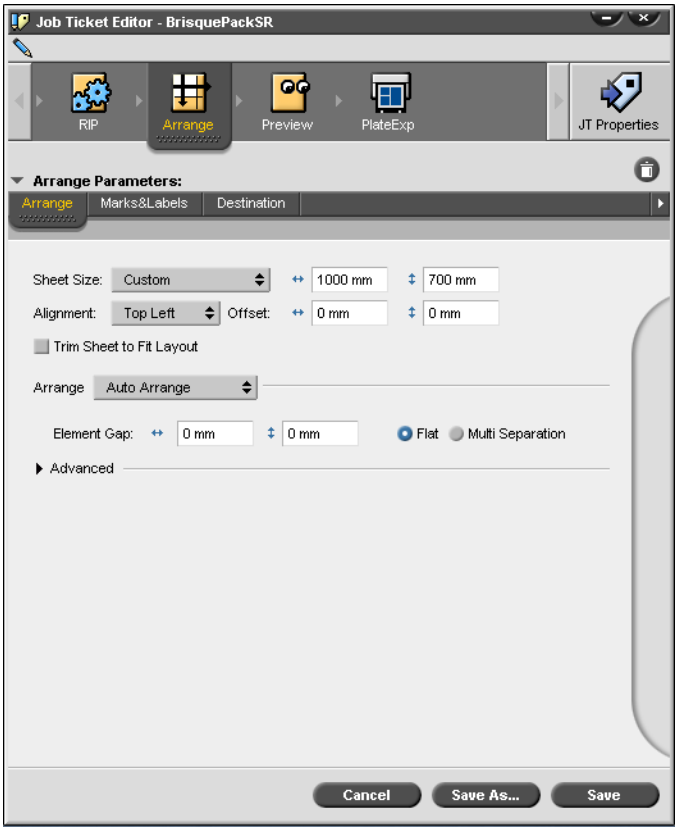
To use a template with step-and-repeat parameters:

1. Create a template or a hot folder that includes the Arrange and Preview operations, such as a template with RIP, Arrange, Preview and Plate Expose.

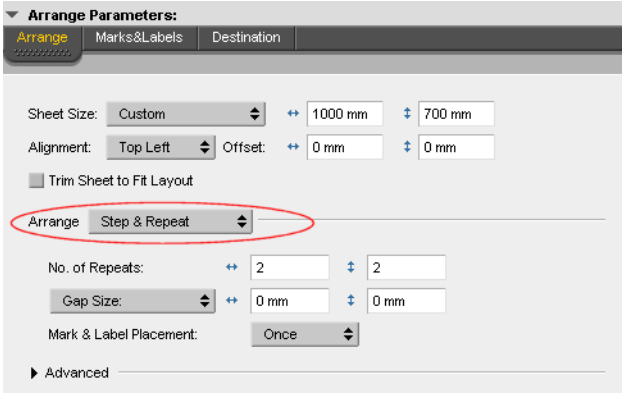


For information about creating templates, see the *Working With Templates* book in the *Brisque version 5.1 online help system*.

2. Double-click the **Arrange** icon; the Arrange Parameters are displayed.



3. On the **Arrange** tab, from the **Arrange** list, select **Step & Repeat**.



4. Define the parameters for the step-and-repeat layout as follows:

   a. **Sheet Size**: select a size option from the list. This list contains the height and width values that are appropriate to the connected imagesetter and/or platesetter as follows:

      For a platesetter - height and width of the press format

      For an imagesetter - height and width of the cassette(s)

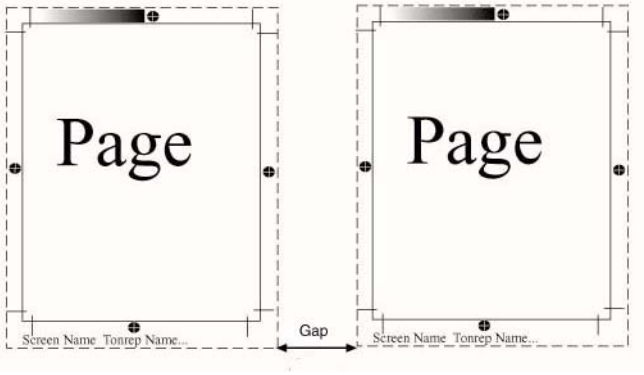
      To define specific height and with values, select **Custom** and type a value in the width and height boxes.

      Note: The range of height and width values is 100-4600mm in both directions. You cannot define a value outside of this range.

      Trim Sheet to Fit Layout: select this option to prevent media wastage. When you select this option the size of the sheet is trimmed to equal the size of the layout.

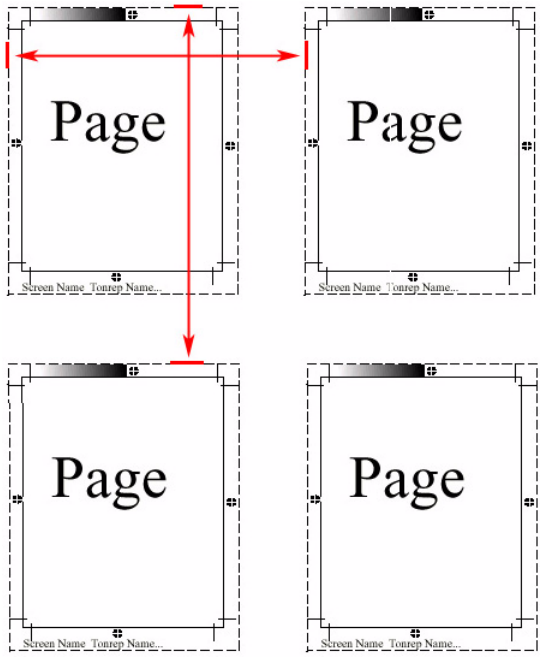
   b. **No. of Repeats**: defines the number of times the image is repeated horizontally and vertically .

   c. **Gap Size**: indicates the horizontal and vertical space between each repetition of the image.



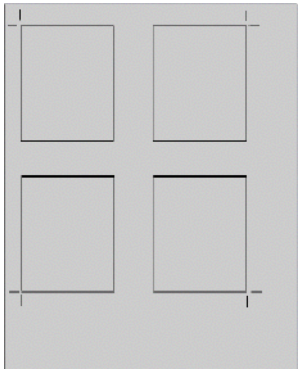
Important: Use a negative gap value when you want images to be nested. But remember that the overlap of the elements must be only between an LW or CT data area of one element over the white LW area of the other element.

Displacement Offset: indicates the sum of the element's height/ width plus the vertical/horizontal distance between each element.

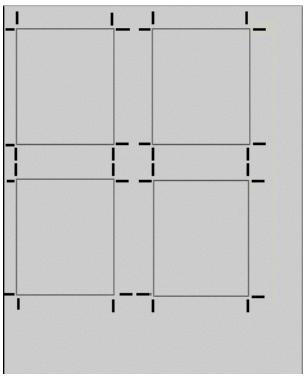


d. **Mark & Label Placement:**

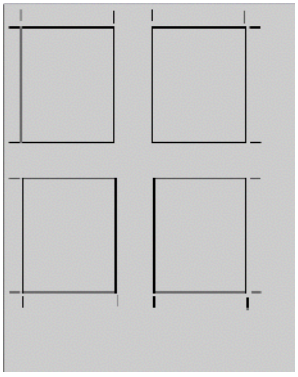
Select **Once** to insert each user defined Page mark (see *Upper Left Element on page 27* for instructions on defining Page marks) only once, next to the group of repeated Pages.



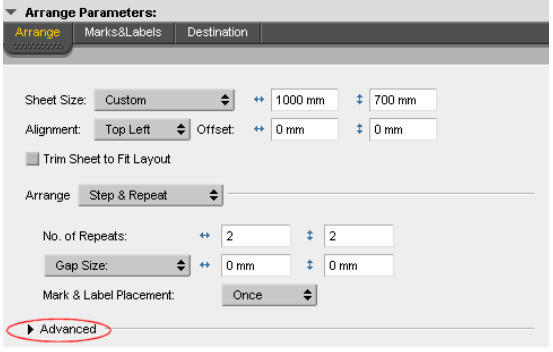
Select **Per Copy** to insert the user defined Page marks around each repetition of the element.



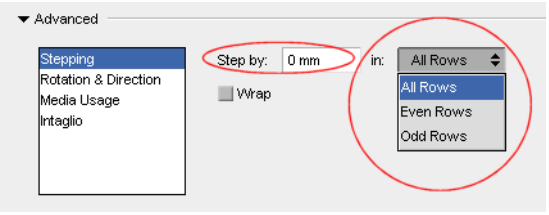
Select **Outside** to insert the user defined Page mark outside of the layout.



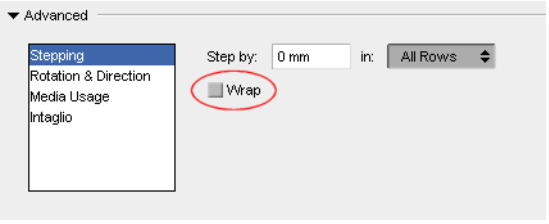
5. Access the advanced parameters by clicking the **Advanced** arrow and proceed to define the following parameters:



a. **Step by:** defines the width offset (in mm) of the element from one row to another. You can select to step the elements in **All Rows**, only in **Even Rows**, or only in **Odd Rows**.



b. **Wrap:** select this check box when you are using a gravure cylinder, if you want to wrap the stepped elements around the cylinder.



6. To add a set of marks, on the **Marks&Labels** tab, select the **Elements** check box, then select the **Predefined Set** option and select a set from the list.

7. To add crop marks, on the **Marks&Labels** tab, select the **Elements** check box, then select the **Crop Marks** check box.

   If you select the **Crop Marks** check box, you must define the **Bleed** to indicate the position of the crop marks relative to the Page. (The minimum bleed value is 4 mm.)

8. To add a grayscale strip to a Page element, on the **Marks&Labels** tab, select the **Elements** check box, then select the **Grayscale Strip** check box.



Note: Make sure that the length of the Page element is at least the length of the grayscale strip. Otherwise an error message indicates that there is no room for the Grayscale because the Page is too small.

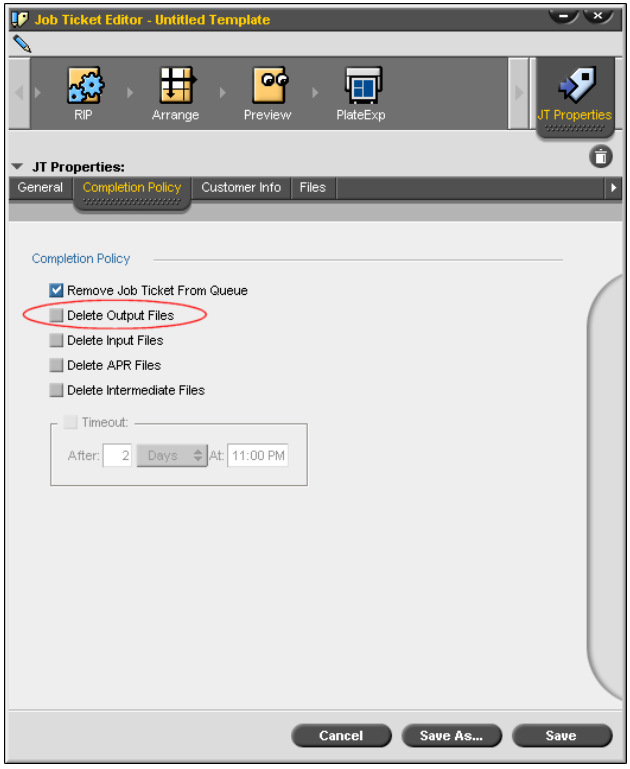
9. Click **OK** to set the parameters.

The template now contains the Arrange and Preview operations with the step-and-repeat parameters you defined earlier. You can drag and drop any Brisque Page, or Brisque Job with a single Brisque Page, CT file or LW file and the step-and-repeat layout is created according to these parameters.

The step-and-repeat layout is **not** saved when created in a template with step-and-repeat parameters. When you drag the file to the template, the Preview operation opens, creates the step-and-repeat layout and then the job goes to the next operation in the template without saving the layout.

To save the step-and-repeat layout for future use:

1. In the Job Ticket Editor, click **JT Properties**.



2. On the **Completion policy** tab, make sure the **Delete Output Files** check box is cleared.

   The layout is saved in the same location of the single element used to create the step-and-repeat layout, with the name of the element as follows: **elementname.job**.

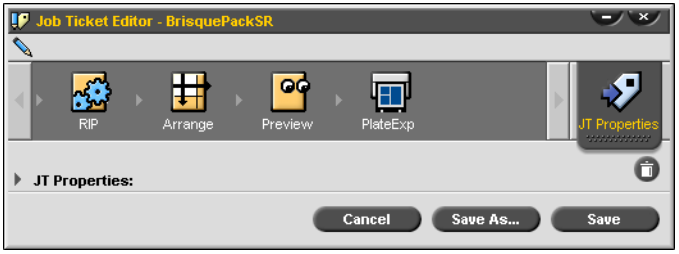
Using a Template with Flat mode Parameters

You can define an automated workflow of creating a layout with an automatic arrangement of elements, by including the Arrange and Preview operations with specific Flat mode parameters in a template.

Note: The Flat mode option is appropriate when including more than one element in the Brisque Layout. Therefore, you use this template when selecting more than one Page or single-page Jobs, or a Job containing multiple pages, CTs or LWs.

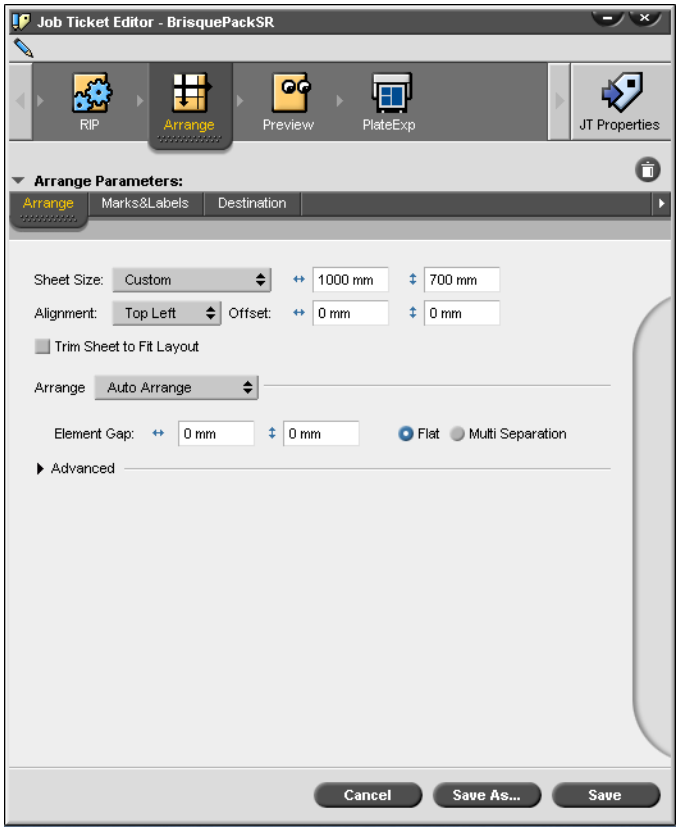
To use a template with Flat mode parameters:

1. Create a template or a hot folder that includes the Arrange and **Preview** operations, such as a template with RIP, Arrange, Preview and Plate Expose.

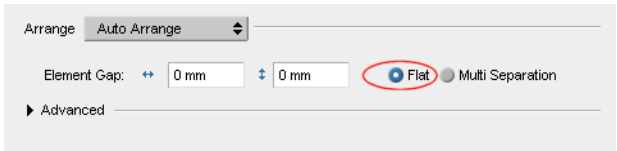


For information about creating templates, see the *Working With Templates* book in the *Brisque version 5.1 online help system*.

2. Double-click the **Arrange** icon; the Arrange Parameters are displayed.



3. On the **Arrange** tab, select the **Flat** option.



4. Define the parameters you want for the layout as follows:

- **Sheet Size:** select a size option from the list. This list contains the height and width values that are appropriate to the connected imagesetter and/or platesetter as follows:

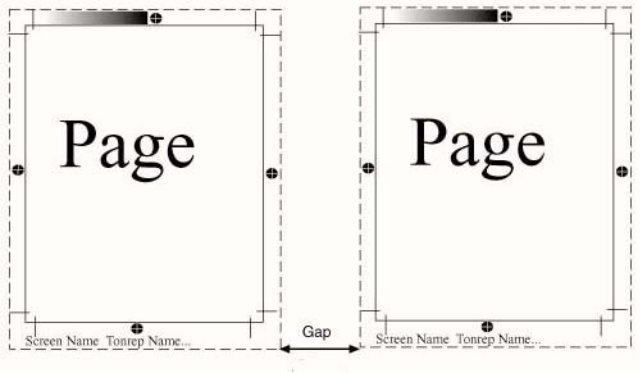
  For a platesetter - height and width of the press format

  For an imagesetter - height and width of the cassette(s)

  To define specific height and with values, select **Custom** and type a value in the width and height boxes.

  Note: The range of height and width values is 100-4600mm in both directions. You cannot define a value outside of this range.

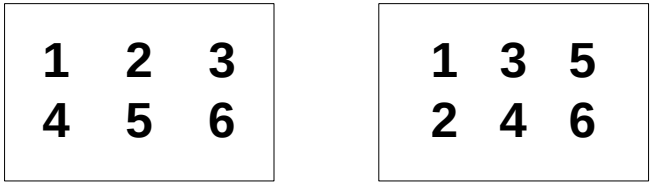
- **Alignment:** defines the alignment point of the first selected element.
- **Offset:** defines the distance of the first selected element from the alignment point.
- **Trim Sheet to Fit Layout:** select this option to prevent media wastage. When you select this option the size of the sheet is trimmed to equal the size of the layout.
- **Element Gap:** indicates the amount horizontal and vertical space between each repetition of the image.



Important: Use a negative gap value when you want images to be nested. But remember that the overlap of the elements must be only between an LW or CT data area of one element over the white LW area of the other element.

5. Access the advanced parameters by clicking the **Advanced** arrow and proceed to define the following parameters:

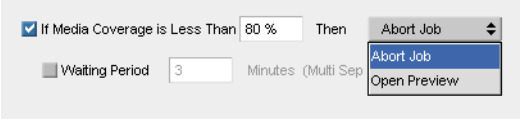
   a. **Arrange Direction:** defines the sequence of the element arrangement (**Horizontal** or **Vertical**).



Horizontal direction **Vertical direction**

   b. **Allow Element Rotation for Best Fit:** if selected, elements can be rotated automatically in order to achieve an optimized layout arrangement.

   c. **If Media Coverage is Less Than:** sets a minimum coverage value (in %) and whether to **Open Preview** or **Abort Job** if the minimum coverage value is not met.



6. To add a set of marks, on the **Marks&Labels** tab, select the **Elements** check box, then select the **Predefined Set** option and select a set from the list.

7. To add crop marks, on the **Marks&Labels** tab, select the **Elements** check box, then select the **Crop Marks** check box.

   If you select the **Crop Marks** check box, you must define the **Bleed** to indicate the position of the crop marks relative to the Page. (The minimum bleed value is 4 mm.)

8. To add a grayscale strip to a Page element, on the **Marks&Labels** tab, select the **Elements** check box, then select the **Grayscale Strip** check box.



Note: Make sure that the length of the Page element is at least the length of the grayscale strip. Otherwise an error message indicates that there is no room for the Grayscale because the Page is too small.

9. Click **OK** to set the parameters.

The template now contains the Arrange and Preview operations with the Flat mode parameters you defined earlier. You can drag and drop Brisque Pages, Brisque Jobs, CT or LW files and the layout is created with an automatic arrangement of the elements according to these parameters.

The layout is **not** saved when created in a template with flat mode parameters. When you drag the files to the template, the Preview operation opens, creates the layout and then the Job goes to the next operation in the template without saving the layout.

To save the layout for future use, see *To save the step-and-repeat layout for future use: on page 44*. The layout is saved in the same location of the single element used to create the step-and-repeat layout, with the name of the element as follows: **elementname...Arrange.job**

Closing a Job

After working on a job, you must close it. You can either save the changes made to the job, or close the file without saving changes.

To close a file:

1. From the **File** menu, select **Close**; if the modified file was not saved prior to selecting the Close option, the "`Lose Changes to Layout`" message is displayed.
2. Click **Yes** to close the file without saving changes, or click **No** to cancel the Close command.

When you close a job, the Preview workspace remains active. You can either continue working in Preview, or exit the workspace.

Exiting the Preview Application

When the Preview operation is not in a template, select one of the following options from the File menu:

Close	To close the Preview application

When the Preview operation is a step in a template and the operation that follows is an output operation such as Plate Expose, the following exit options in the File menu are relevant:

Close	To close the Preview application
Close and Continue JT	To exit the Preview application and continue to the subsequent operations in the job ticket (such as Improof or Plate Expose)
Close and Hold JT	To exit the Preview application and place the job ticket on **hold**. See the *About the Queue Manager* book in the *Brisque version 5.1 online help system* for details.
Close and Abort JT	To exit the Preview application and terminate the job ticket (if one exists). The job is listed as aborted in the **Failed** queue of the Queue Manager. See the *About the Queue Manager* book in the *Brisque version 5.1 online help system* for details.

3 Previewing a Brisque Packaging Job

Overview 52
Activating the Preview Application 53
Verifying the Availability of Elements 56
Verifying the Step-and-Repeat Layout 57
Previewing Elements or Marks in High Resolution 58
Exiting the Preview Application 60

Overview

The Preview workspace enables you to preview a Brisque Packaging Job before output. A Brisque Packaging Job includes overlapping repeated elements. The Brisque Packaging (step-and-repeat) Layout is created on the BrisquePack station in the Preview workspace or in a step-and-repeat application such as Creo **StepOne**. When previewing a Brisque Packaging Job, the available display modes relate to the Layout level and enable you to do the following:

- Verify the availability of elements.
- Verify the position of elements on the layout.
- Verify color separations and bleeding of the individual elements.

Activating the Preview Application

The Preview application operates in the Preview workspace. In the Preview workspace you preview a file and edit it.

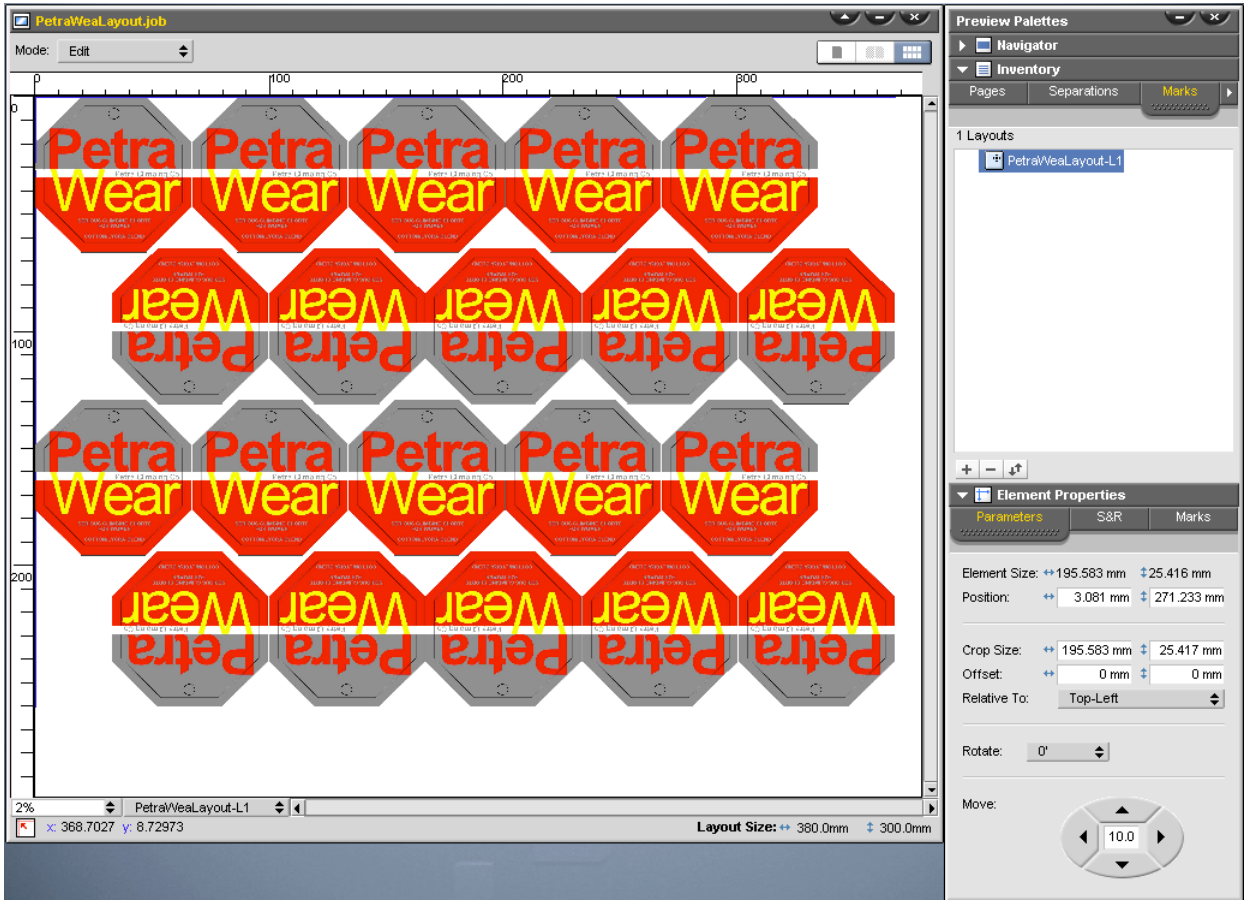
To preview a Brisque Packaging Job, perform one of the following:

- While holding down the CTRL key, drag a Brisque Packaging Job onto the **Preview** icon.
- Define a hot folder/template that includes the **Preview** operation and drag a Brisque Packaging Job to it.
- Select a Brisque Packaging Job in the File Browser. Right-click and select **Preview** from the popup menu.

After performing one of the above, when the Job Ticket Editor is displayed, click **Submit**, then click 

to display the Preview workspace.

When a Brisque Packaging Job activates the Preview application, the display window, and the Preview Palettes window are displayed.



The display window and the Preview Palettes window are shown above. The Preview Palettes window contains the **Navigator** palette, the **Inventory** palette and the **Elements Properties** palette.

The **Navigator** palette indicates which part of the image is shown in the display window. It always displays the entire image regardless of how much of the image is displayed in the display window. A rectangle surrounds the area of the image that appears in the display window.

The **Inventory** palette displays information about the layout, its separations, marks and Pages. It contains the **Pages** tab, the **Separations** tab and the **Marks** tab. For a detailed description of the tabs, see the *Working in the Preview Workspace* book in the *Brisque version 5.1 online help system.*

The **Element Properties** palette displays information relating to the selected element in the display window and contains the **Parameters** tab, the **S&R** tab and the **Marks** tab. For a detailed description of the tabs, see the *Working in the Preview Workspace* book in the *Brisque version 5.1 online help system.*

The **display window** shows a graphic representation of the relative sizes and positions of the different elements in the step-and-repeat layout.

The Preview toolbar above the **display window** contains tools that enable you to easily perform certain functions, and zooming of the display window. These functions are described in this chapter and in the *Working in the Preview Workspace* book in the *Brisque version 5.1 online help system.*

The Brisque Packaging Job name appears at the top of the display window. The layout size and name appear at the bottom of the display window as well as the coordinates of the mouse pointer on the image in the display window. By default, the coordinates are set relative to Top Left. To change the default to Bottom Left, from the **Edit** menu, select **Preferences** and change the setting in the **Zero Point Location** parameter. For more information about Preview preferences, see the *Setting Preview Preferences* book in the *Brisque version 5.1 online help system.*

When you select the layout in the display window, you can see the path of the layout in the status bar of the preview workspace.

The Preview Toolbar

For information about the available tools in the preview toolbar, see the *About the Preview Toolbar* book in the *Brisque version 5.1 online help system.*

Verifying the Availability of Elements

The available display modes in the preview workspace are as follows:

- **HiRes Preview**, which displays files in high resolution.
- **Edit**, which enables you to create and edit Brisque Packaging Jobs (in low resolution) as well as add, delete and replace Pages in Brisque Jobs (in high resolution).
- **JPEG Preview**, which displays files in low resolution and does not permit editing.
- **Page Frame**, which displays the layout only with the Page frames. The Page frames represent the elements, their names, their placement in the layout and orientation. As Packaging Layouts usually include specially shaped elements (not rectangular), orientation is frequently used to fit the elements in an optimal arrangement, just as overlapping of elements is common.

  The **Page Frame** mode is used to verify that the elements are in the correct location and to verify the overall geometry of the step-and-repeat layout.



Note: The **Page Frame** mode was previously known as Nicknames mode.

When you first activate the Preview application with a Brisque Packaging Job, the Brisque Packaging Job is displayed in the **HiRes Preview** display mode.

To change the default display mode, in the preview workspace, from the **Edit** menu, select **Preferences** and in the Preview Preferences dialog box, select your choice from the **Default Display Mode** and **Imposition Default Preview Mode** options. For more information, see the *Setting Preview Preferences* book in the *Brisque version 5.1 online help system*

If an element is unavailable, a large 'X' appears over the element icon in the display window and **Navigator** palette. The **Pages** tab of the Inventory palette displays the file name with this icon  and the layout name with this icon .

An element may be unavailable due to one of the following:

- It is not in the location defined by the Brisque Packaging Job.
- The designated location cannot be accessed (for example, when the element resides on another DataVolume that is not mounted).

To verify the path of an element, verify that the **Select** Tool or **Move** Tool are active and click the specific element icon in the display window. The path is displayed below the display window.

Alternatively, select the element name on the **Pages** tab of the Inventory palette.

To restore a missing element:

1. From the **Pages** or **Marks** tab of the Inventory palette, or in the display window, select the element that you want to restore.
2. Verify the path of the missing element (see above).
3. On the right-hand side of the Inventory palette, click  and select **Replace**.
4. In the Replace dialog box, browse to the missing element following the path you verified in step 1.
5. Select the element and click **Choose**; the element is displayed in the display window and its name is listed in the **Pages or Marks** tab of the Inventory palette.
6. From the **File** menu, select **Save**; the Job is updated.

Verifying the Step-and-Repeat Layout

Use the **JPEG Preview** display mode to verify the position of elements in the layout.

If you made corrections to elements during the workflow, you can verify that the correct replacement Pages were substituted in the source locations.

Previewing Elements or Marks in High Resolution

The **HiRes Preview** mode allows you to preview one element or mark of the Brisque Packaging Job at a time. Use it to verify that the element in the layout is the latest version with the most current modifications (if any have been made), to check the color separations and to verify the FAF results before exposing the Brisque Packaging Job.

To preview an element in high resolution:

1. Click the element icon (or mark) that you want to preview.
2. From the **View** menu, select **Mode** and then **HiRes Preview**.
3. From the **View** menu, Select **Imposition** then **Pages**.

Alternatively, in the display window, select the element and then click .

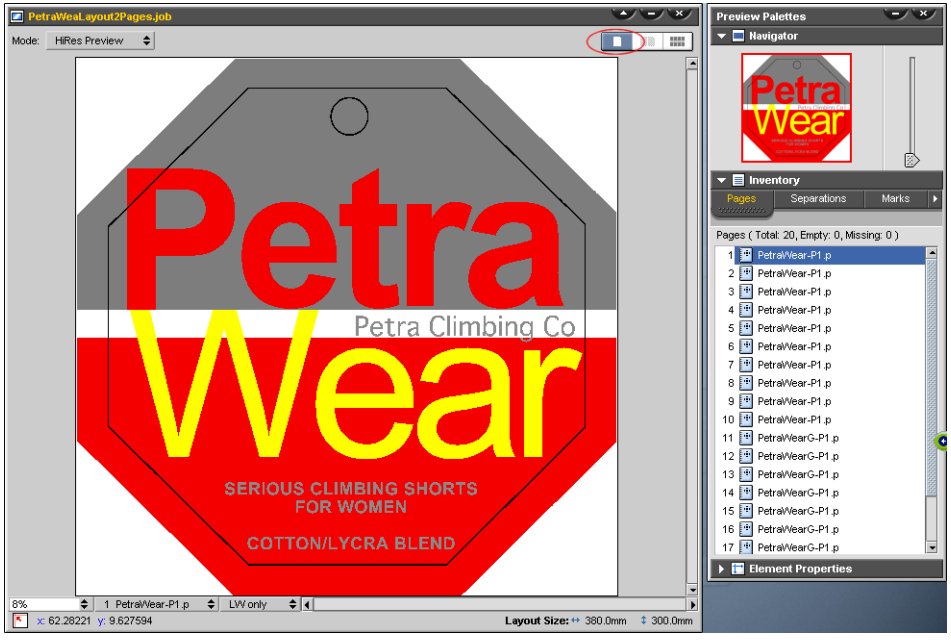


Figure 13: An element in HiRes Preview mode

4. To return to the preview of the layout, click .

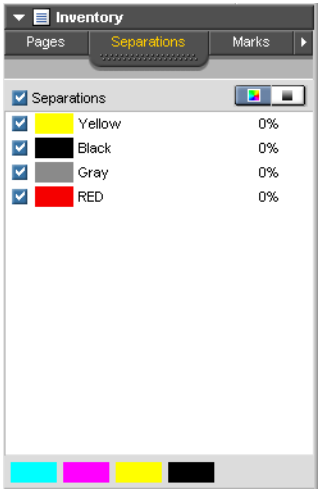
For details on using the tools and options available for previewing elements, see the *Working in the Preview Workspace* book in the *Brisque version 5.1 online help system*.

Viewing Layout Separations

You can view the Brisque Packaging Job using one or several color separations together, or one black separation.

To select which separations are viewed:

1. From the Inventory palette, select the **Separations** tab. The list of separations is displayed.



2. Click one of the display mode icons:



Color icon - to view selected separations together in color.



B&W icon - to view only one separation in black-and-white.

Exiting the Preview Application

When the Preview operation is not in a template, select one of the following options from the File menu:

Close	To close the Preview application

When the Preview operation is a step in a template and the operation that follows is an output operation such as Plate Expose, the following exit options in the File menu are relevant:

Close	To close the Preview application
Close and Continue JT	To exit the Preview application and continue to the subsequent operations in the job ticket (such as Improof or Plate Expose)
Close and Hold JT	To exit the Preview application and place the job ticket on **hold**. See the *About the Queue Manager* book in the *Brisque version 5.1 online help system* for details.
Close and Abort JT	To exit the Preview application and terminate the job ticket (if one exists). The job is listed as aborted in the **Failed** queue of the Queue Manager. See the *About the Queue Manager* book in the *Brisque version 5.1 online help system* for details.