User Guide

Brisque Pack LRS Workflow

version **5.1**

731-00588A-EN Rev A

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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	

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http://www.creo.com
731-00588A-EN Rev A

Revised July 2005

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Introduction to LRS Workflow



Note: The mention of an EPS file in this guide refers to either an EPS or PDF file.

In the Low Resolution Stepping (LRS) workflow, a low-resolution EPS file (or a PDF file) is created when the single element is RIPed on the Brisque Pack station. The EPS file is created in addition to the high-resolution CT and LW RIPed files and is placed in the location you define. You can manually step and repeat the low-resolution EPS file in any desktop or step-and-repeat editing application, adjust the bleeds for each package, and add the die line, folding marks and plate marks to the packaging layout.

When the layout is printed, the DTP application generates a thin PostScript file. Brisque then RIPs the packaging layout, replaces the EPS file(s) with links to the high-resolution CT and LW previously-RIPed files, and creates a Brisque Packaging Job.



Note: Brisque does not replace each of the EPS files since it is the same repeated element. It replaces the EPS file only once and generates an instruction file for the positioning and orientation of the repeated element.

A Packaging Job contains a mask page that describes the layout and a link to the high-resolution data. The 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 Low Resolution Stepping (LRS) when you want to use ordinary DTP applications for your packaging needs.



Note: The LRS workflow is password protected and requires a separate license obtainable from your local service representative.

In the LRS workflow, some operations are performed in your DTP application and others are performed in Brisque (via your Brisque client). This document describes the steps in both, in a chronological order.

We recommend working with the automated workflow, described in the *LRS Automated Brisque Pack Workflow* on page 21.

The LRS workflow is divided into two main phases:

- Working with the single element

  The procedures within this phase involve basic Brisque operations, which are not described in detail in this document. We do provide a basic outline of the actions required and reference to relevant documentation when applicable.



Full documentation on Brisque operations can be found in the Brisque version 5.1 online help supplied with your Brisque.

- Working with the step-and-repeat layout.

  This phase is explained first with a standard step-and-repeat procedure, and then using a die line.

Phase 1 – Single Element Handling

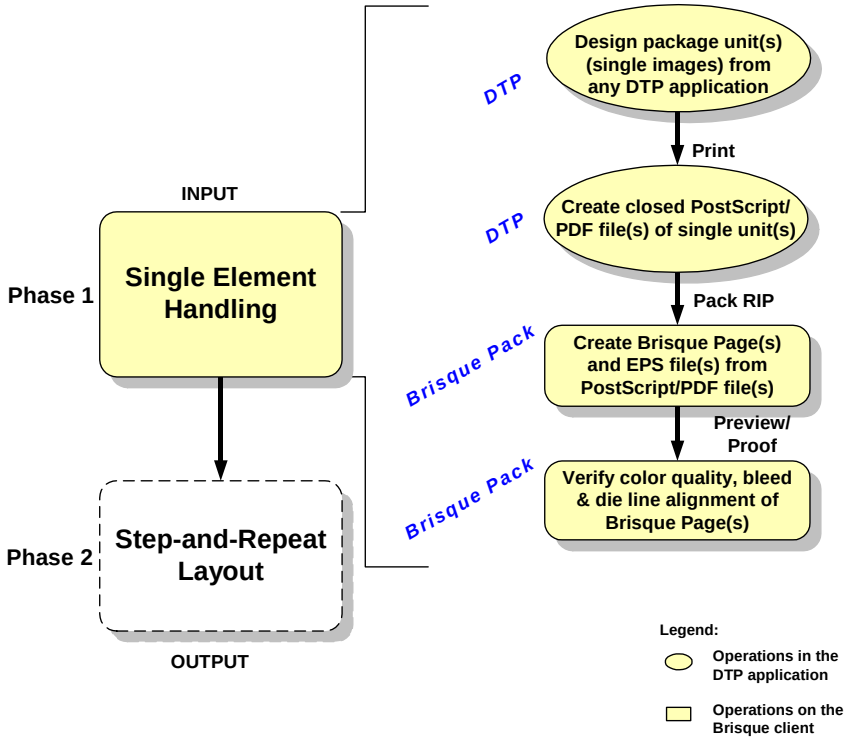


Figure 1: Typical Brisque LRS workflow for package design (Phase 1)

Designing and Handling Single Package Elements

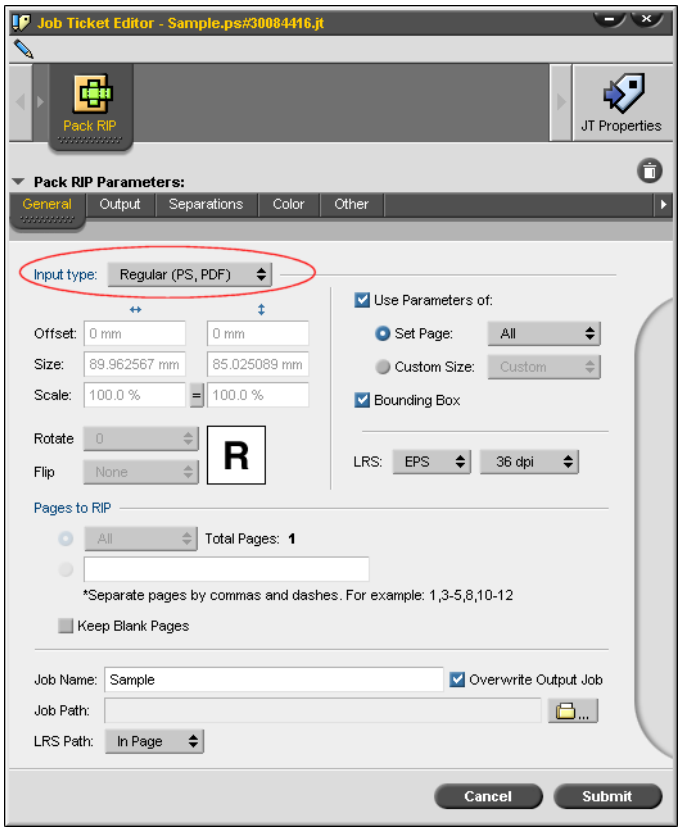
1. Prepare the graphics of the package element using a DTP application.
2. Save the graphic as a PostScript or PDF file.

Note: If your package layout contains more than one design element, you can close each design element as an individual PostScript or PDF file or close all of the design elements in a single, multi-page file.

3. Copy the closed PostScript or PDF file(s) to the Brisque Pack station via the network.

Note: You can also print the files directly from the DTP application to the Brisque Pack station via the network.

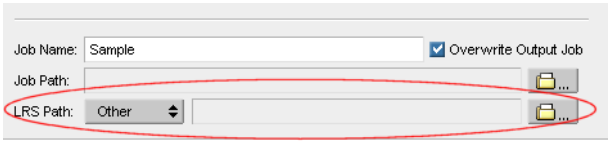
4. In Brisque, drag the PostScript or PDF file(s) onto the **Pack RIP** icon (**Workflow** palette>**Operations** tab). The **Pack RIP** operation automatically identifies the input file type and creates a low-resolution EPS file of the single element.



Note: Only a single RIP for each design unit is required for the entire job. The low-resolution EPS file can be used as a placeholder for the single element when it is stepped and repeated in the packaging layout.

5. The low-resolution EPS file of the single element is placed in the **Page** folder next to the CT and LW files of the single element. To change the destination path of the EPS file, in the **Job Path** box (**General** tab), select one of the following options:

   - **In Job:** select this option to place the EPS file in the **Job** folder next to the **Page** folders.
   - **Other:** to place the EPS file in a destination folder of your choice, select this option, click  and navigate to the folder.



   - **In Page:** select this option to place the EPS file in the **Page** folder next to the CT and LW files of the single element. This is the default option.

6. To change the resolution of the EPS file, from the **Resolution** box select one of the following options: **36 dpi**, **72 dpi**,**144 dpi**, **288 dpi**.



Note: Select a high resolution if you are using a die line or if the fine details of the image are very important for its positioning.

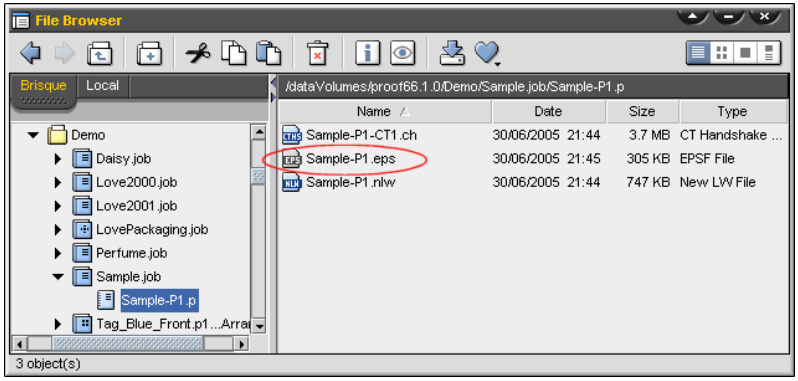
7. On the **Output** tab, make sure that the **LW Resolution** box displays a resolution that matches the resolution of your output device.
8. Make sure your die lines are set to overprint. To do so, see *page 16*.



See the Brisque version 5.1 online help for more information on other Pack RIP parameters.

9. Click **Submit**.

   After the single element is RIPed, a low-resolution EPS file of the single element (with the **.eps** extension) is created and placed in the defined destination (see step 5 above).



Note: Instead of a manual drag and drop, you can print the PostScript/PDF file of a single element to a hot folder linked to the appropriate template. See *LRS Automated Brisque Pack Workflow* on page 21 for details.

Tip: You can use the **PreFlight Check** operation in Brisque, prior to Pack RIP, to perform a simulated RIP of the design element(s). See the *PreFlight Check* book in the *Brisque version 5.1* online help for more information.

10. For final customer approval, the RIPed file(s) can be sent to a digital proofer to verify color quality, bleed alignment and die line alignment. See the Proof book in the Brisque version 5.1 online help for more information about proofing.

The step-and-repeat imposition layout of the package is ready to be created with a page or document assembly DTP application. This will be described in the steps to follow.

Phase 2 – Step-and-Repeat Layout

By now you have completed your single element design, and have created a RIPed Brisque page for each element in the design, as described in *Designing and Handling Single Package Elements* on page 8.

In this section, we continue and outline the procedures required to complete the Low Resolution Stepping workflow.

We begin by creating a PostScript file for the step-and-repeat layout in the DTP application and eventually create an output ready Brisque Packaging Job on the Brisque Pack station.

When creating a packaging layout in a DTP application, the low-resolution EPS file created in Phase 1 is imported into the application as a placeholder for the single element.

The packaging layout is assembled in the DTP application according to a die line plan, and the printing specifications of the job.

A thin PostScript file is then printed from the application, and RIPed on the Brisque Pack station. After the layout is RIPed, a Brisque Packaging Job is created containing a mask layer with links to the Brisque Pages that contain the high-resolution files of the single element.

The Brisque Packaging Job can be soft-proofed (Preview), and sent to any output device that is supported by the Brisque such as proofers, imposition proofers, imagesetters and platesetters.

In this section we explain how to create a step-and-repeat packaging layout using LRS with three different workflows:

- Using a simple step-and-repeat workflow
- Using a die line (CAD file) in the workflow
- Using templates in an automated Brisque Pack workflow.

Using a simple step-and-repeat workflow

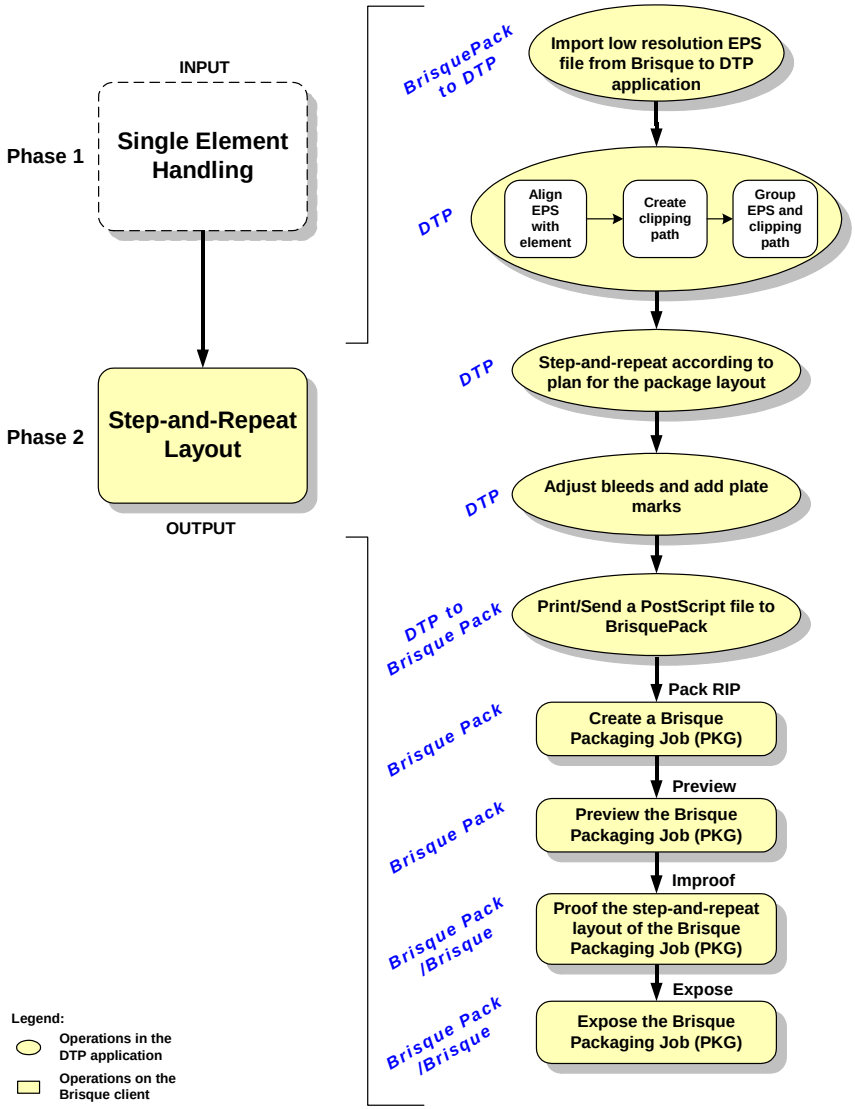


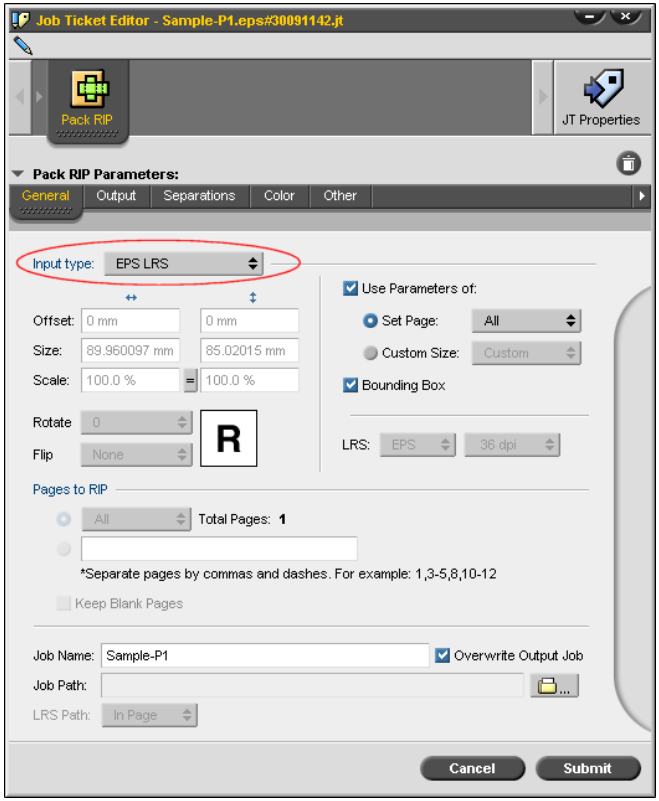
Figure 2: Brisque Pack LRS workflow - simple step-and-repeat

To create a step-and-repeat layout using the simple workflow:

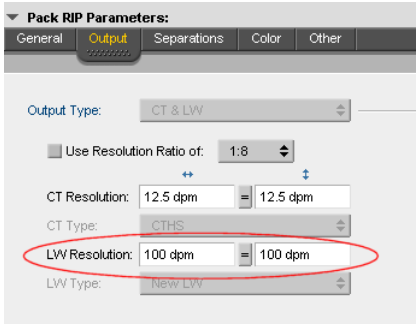
1. From the DTP application, browse to the previously RIPed Brisque Pages of the single element.
2. Select the low-resolution EPS file of the single element(s) on the Brisque Pack and import/open it.
3. Manually create a clipping path to ignore the unnecessary parts of the graphics in the low-resolution EPS file.

   The clipping path should follow the contours of the die line of a single element, while incorporating the approximate bleeds desired for each step of the element.
4. Group the clipping path and the single element.
5. Adjust the bleed of the single element according to your needs (optional).
6. Manually step-and-repeat the clipped single element according to the plan of the packaging layout.
7. If the step-and-repeat layout contains more than one graphic element, repeat steps 1 to 5 for each of the elements.
8. Add plate marks to the packaging layout such as color bars, guidelines, etc. (optional).
9. Print (or send or save as) a PostScript file of the packaging layout to the Brisque Pack station.

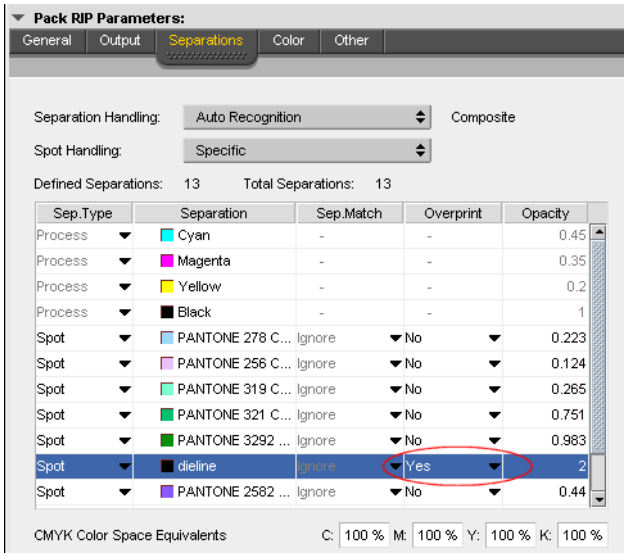
10. In Brisque, RIP the step-and-repeat layout by dragging the EPS file of the layout to the **Pack RIP** operation. The **Pack RIP** operation automatically identifies the input file type as an EPS LRS file.



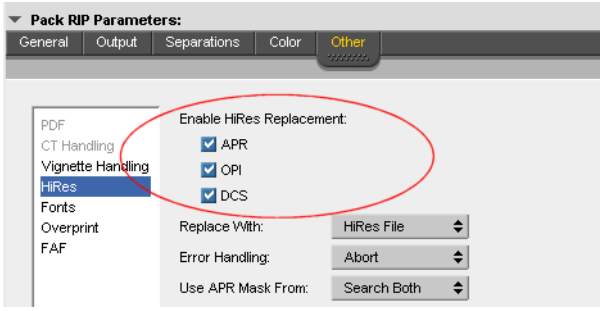
11. Make sure that the LW resolution of the step-and-repeat layout is the same as the LW resolution of the single element. To do so, check the values in the **LW resolution** box values on the **Output** tab.



12. On the **Separations** tab, in the **Spot Handling** box, select either **Specific** or **All to Spot**.
13. If the die line was not defined as overprint in the DTP application, perform the following:
    a. On the **Separations** tab, in the **Spot Handling** box, select **Specific**.
    b. In the Separations table, select the die line separation, click the arrow of the **Overprint** column and select **Yes**.



14. In the **Other** tab>**HiRes** parameters, make sure that the **Enable HighRes Replacement** options are selected according to the high-resolution replacement method you are using.

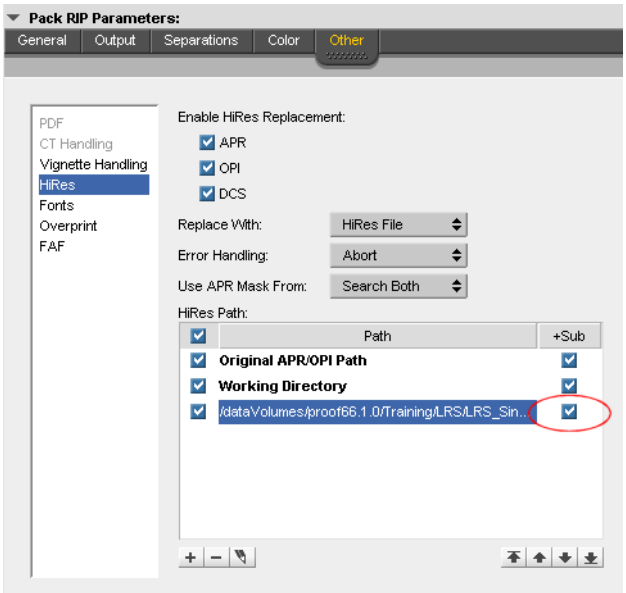


15. Make sure that the **HighRes Path** is set to the folder containing the RIPed elements, otherwise the job will fail. To do so:

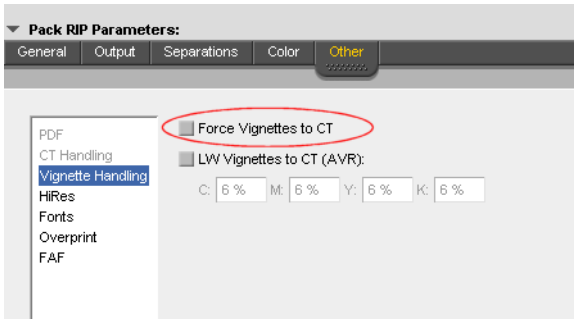
    a. Click +.

    b. Navigate to the location of the high-resolution files (RIPed elements) and click **Choose**.

    c. In the **HiRes Path** table, select the **+Sub** check box of the path you defined in step b.

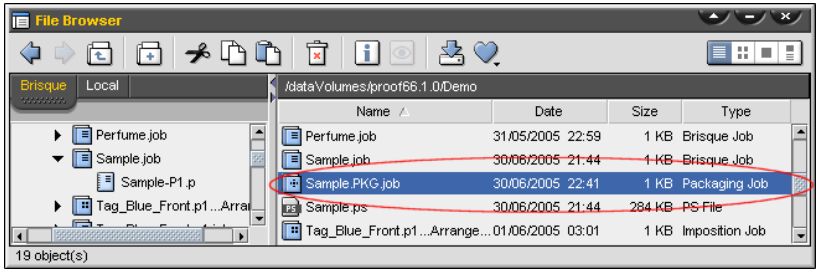


16. In the **Other** tab>**Vignette Handling** parameters, make sure that the **Force Vignette to CT** check box is cleared.



17. Click **Submit**.

    A Brisque Packaging (PKG) Job is created by the Brisque Pack station with a **.PKG.job** extension (**filename.PKG.job**).



Note: The low-resolution EPS files incorporated into the packaging layout are not RIPed since the Job established links to the elements that have already been RIPed on the Brisque Pack station.

18. Use the **Preview** operation in the Brisque to view the output-ready Brisque Packaging Job.

19. Use the **Improof** operation on the Brisque Pack station to print a step-and-repeat proof for customer approval of the alignment and placement of the layout.
    If you want to proof the layout without the packaging separations (such as die line, background colors, marks or any other separation that does not include the original image), on the **Separations** tab, select the **Ignore Packaging Separations** check box. This check box is cleared by default.

Note: Since the step-and-repeat layout uses the same RIPed files already proofed, (as described in phase 1) there is no need to perform an additional color proof of the packaging design element.

20. From the Brisque Pack station, send the Job to exposure on any supported output device via one of the Brisque exposure operations: **Plate Expose**, **Flexo**, or **Expose** (for exposure on film) according to the desired output media.

    Note: If you want to expose the layout with the packaging separations (such as die line, background colors, marks or any other separation that does not include the original image), on the **Separations** tab, clear the **Ignore Packaging Separations** check box. This check box is selected by default.

Using a die line (CAD file) in the workflow

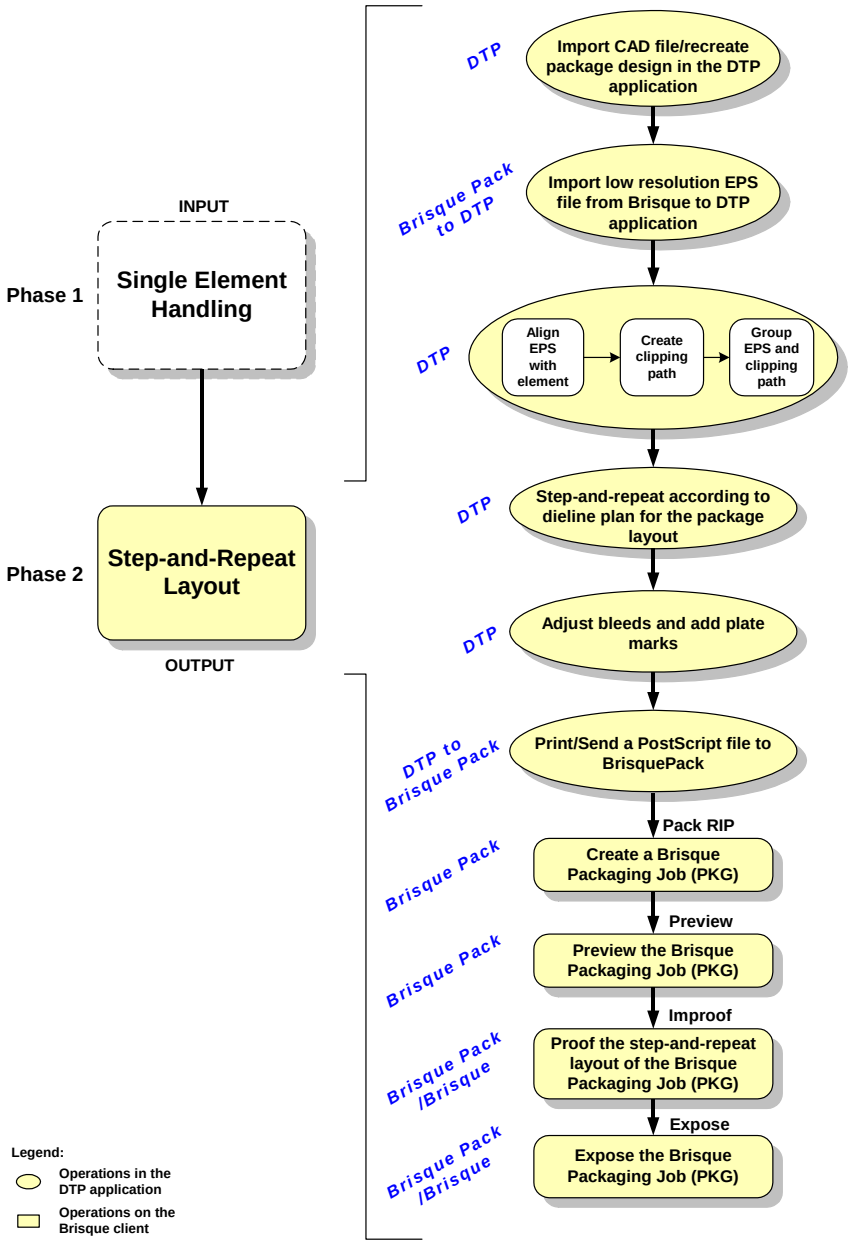


Figure 3: Brisque Pack LRS workflow - step-and-repeat with die line (CAD file)

This workflow is very similar to the simple step-and-repeat workflow, with additional steps of adding the die line and aligning the graphic images with the die line of each element.

1. If possible, import the CAD file into the page or document assembly DTP application. If not, you can manually recreate the layout structure in the DTP application.



Note: The CAD file (CFF2 or DDES2) contains relevant information such as the structure design of the single element, step-and-repeat information and guidelines (e.g., die, fold and glue lines).

If your packaging layout contains more than one design element, the CAD file will contain the package design of all the elements and may also contain step-and-repeat information for the multi-image layout.

2. From the DTP application, browse to the previously RIPed Brisque Pages of the single element.
3. Select the low-resolution EPS file of the single element(s) on the Brisque and open/import it into the die line of the layout.
4. Align the EPS file with one of the elements in the die line.
5. Create a clipping path of the single element.



Note: The clipping path should follow the contours of the die line of a single element, while incorporating the approximate bleeds desired for each step of the element.

6. Once the clipping path is ready, group the low-resolution EPS and the die line, and create a grouped and clipped single element.
7. Adjust the bleed of the single element according to your needs (optional).
8. Step-and-repeat the grouped and clipped single element according to the die line plan of the packaging layout.
9. Add plate marks to the packaging layout such as color bars and guidelines (optional).
10. Repeat steps 8 to 12 as outlined in the simple step-and-repeat workflow. (See *Using a simple step-and-repeat workflow* on page 13).

LRS Automated Brisque Pack Workflow

This workflow uses the automated workflow method of templates and hot folders on the Brisque Pack station.

A template is a set of file processing instructions (Brisque operations such as **Pack RIP** and **Preview**) that you may define and save to automate workflows. When you drag a file onto a template, the file is processed according to the instructions defined in that template.

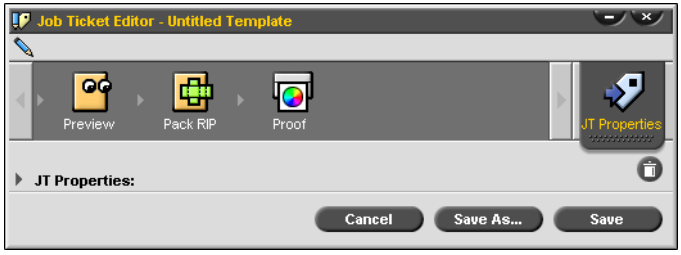
Hot folders contain file handling instructions, and a link to a template which defines the file processing instructions. Each hot folder appears as a *printer* on the network (after defining it as such), to which files may be sent from a Macintosh thereby allowing you to launch production directly from the DTP application. Once a file is sent to a Hot Folder, it is automatically processed according to the Hot Folder definitions.

For more information about templates and Hot Folders see the Brisque version 5.1 online help.

The LRS automated workflow includes both Phase 1 and Phase 2 of the LRS workflow. Its steps involve working from both Brisque and the DTP application.

In Brisque:

1. Define a template with **Preview**, **Pack RIP** and **Proof** operations.



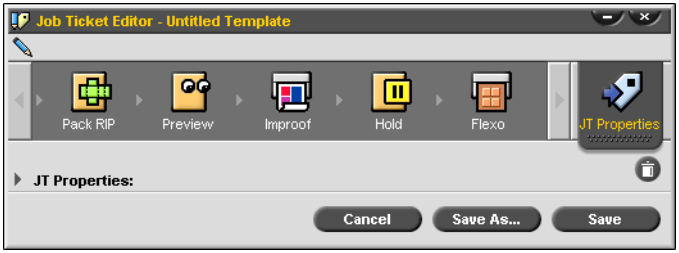
Note: This template is to be used by you repeatedly in your workflow. If you need more than one set of file processing instructions (template) then create another one now.

For information about how to create a template, see the Brisque version 5.1 online help.

2. Define a hot folder and attach the template you created in step 1 to this hot folder.

For details on how to define a Hot Folder, see the see the Brisque version 5.1 online help.

3. Create a second template with **Pack RIP**, **Preview**, **Improof, Hold** and an output operation according to the output device you are using.



4. Define a hot folder and attach the template you created in step 3 to this hot folder.

Note: If you need more than one output operation (such as, **Flexo** and **Plate Expose**) or different parameters, create another template.

In the DTP application:

1. Design the graphics of the package element(s).
2. Close the graphic(s) as a PostScript or PDF file(s).

   Note: If your layout contains more than one design element, you can close each design element as an individual PostScript or PDF file or close all of the design elements in a single multi-page file.

3. Copy or print the files directly to the Brisque Pack station via the network to the first predefined hot folder.

   After the single element is RIPed, a low-resolution EPS file of the single element with the extension **.eps** is created in the location you defined (**PackRIP**>**General** tab>**LRS Path** box).

Note: The step-and-repeat layout of the package is ready to be created with a page or document assembly DTP application. This will be described in the steps to follow.

4. From the DTP application, browse to the low-resolution EPS file of the single element.
5. Select the low-resolution EPS file of the single element on the Brisque Pack station and import it into the step-and-repeat layout.
6. Manually create a clipping path to ignore the unnecessary parts of the EPS file.

   The clipping path should follow the contours of the die line of a single element, while incorporating the approximate bleeds desired for each step of the element.
7. Adjust the bleed of the single element according to your needs (optional).
8. Manually step-and-repeat the clipped single element according to the plan of the packaging layout.
9. If the step-and-repeat layout contains more than one graphic element, repeat steps 4 to 8 for each of the elements.
10. Add plate marks to the packaging layout such as color bars and guidelines (optional).
11. Print (or send or save as) a PostScript file of the packaging layout to the Brisque Pack second hot folder; the defined steps in the hot folder and its template start operating.



Note: The low-resolution EPS files incorporated into the packaging layout are not RIPed since the Job established links to the elements that have already been RIPed on the Brisque Pack station.