User Guide

English

Correcting Web Growth

653-00158A

www.creo.com

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RE37,376	5,283,140	5,517,359	5,699,740	5,969,872	6,134,393	6,283,589
4,456,924	5,291,273	5,519,852	5,708,736	5,973,801	6,136,509	6,295,076
4,500,919	5,323,248	5,526,143	5,713,287	5,986,819	6,137,580	6,299,572
4,558,302	5,325,217	5,532,728	5,742,743	5,995,475	6,147,789	6,318,266
4,743,091	5,339,176	5,561,691	5,764,374	5,996,499	6,158,345	6,340,817
4,992,864	5,343,059	5,568,595	5,764,381	5,998,067	6,159,659	6,352,816
5,049,901	5,355,446	5,576,754	5,771,794	6,003,442	6,164,637	6,353,216
5,079,721	5,359,451	5,579,115	5,785,309	6,014,471	6,180,325	6,366,339
5,081,617	5,359,458	5,592,309	5,802,034	6,016,752	6,181,362	6,371,026
5,103,407	5,367,360	5,594,556	5,813,346	6,031,932	6,181,439	6,377,739
5,111,308	5,384,648	5,600,448	5,818,498	6,043,865	6,186,068	6,387,597
5,113,249	5,384,899	5,608,822	5,854,883	6,060,208	6,189,452	6,396,422
5,122,871	5,412,491	5,615,282	5,861,904	6,063,528	6,191,882	6,396,618
5,124,547	5,412,737	5,625,766	5,861,992	6,063,546	6,204,874	6,407,849
5,132,723	5,420,702	5,636,330	5,875,288	6,072,518	6,208,369	6,414,755
5,150,225	5,420,722	5,649,220	5,894,342	6,090,529	6,214,276	6,422,801
5,153,769	5,459,505	5,650,076	5,900,981	6,096,461	6,217,965	6,435,091
5,155,782	5,473,733	5,652,804	5,934,196	6,098,544	6,252,522	
5,157,516	5,481,379	5,680,129	5,942,137	6,107,011	6,260,482	
5,208,818	5,488,906	5,691,823	5,946,426	6,112,663	6,266,080	
5,208,888	5,497,252	5,691,828	5,947,028	6,115,056	6,266,134	
5,247,174	5,508,828	5,696,393	5,958,647	6,121,996	6,267,054	
5,249,067	5,509,561	5,699,174	5,966,504	6,130,702	6,268,948	

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653-00158A

Revised January 2003

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Who Should Use This Guide

This guide is intended for Technical Support personnel and for anyone who is involved in using or administering Brisque version 4.0.97.23 and above. This guide explains how to diagnose and correct Web Growth in your Brisque printing environment.

To use this guide, you should:

- Have a working knowledge of prepress operations
- Have a licensed copy and working knowledge of Microsoft Excel®
- Be familiar with Brisque

Overview

Web Growth is a phenomenon that occurs in web printing when certain colored areas are misaligned. This particular misalignment is caused by paper expansion, and the pull & drag associated with printing towers.

For example, during an average multi-separation printing job, the color Cyan may expand several millimeters in either direction, causing the covering of the next color, and the appearance of misalignment.

Until now, to solve this particular problem, you would have had to impose this particular Job multiple times, a process that was both time consuming and expensive. However, using Web Growth you can compensate for the misregistration of CMYK color elements by shifting them back to the center of the paper, necessitating only one imposition Job.

To correct Web Growth, you must complete and import a registration chart containing corrections specific to the page locations. These corrections are applied on-the-fly, during the exposure of the plate. Web Growth enables correction for both, horizontal and vertical shifts, using the same registration chart.



Note: Web Growth is a password protected option and requires a license that is obtainable from Creo.

Measuring Web Growth

Before you begin correcting Web Growth, you must measure the misalignment in your particular printing environment.

To measure Web Growth:

1. On a sheet, create 4 vertical color line marks (spanning from the top to the bottom of the printed sheet). The marks should be positioned in different locations across the sheet.
2. Print the Job.

   If there is a misregistration, the line mark separations will not print in the same place.
3. Measure the distance between where the print should have appeared and where it actually appears.

   This measurement indicates the distance of the marking from the center of the page.



Note: The misregistration may differ according to the content of the Job.

Completing the Registration Chart

The Web Growth registration chart consists of 12 tables divided into four groups. Each group represents a CMYK color (or separation) and includes 3 tables: a table for the first correction, a table for the second correction, and a table for the result.

These tables contain eight rows representing a Job with eight rows.

To complete the registration chart:

1. Using Microsoft Excel, open `Web_Growth_Template.xls`



Note: Brisque 4.0.97 users may obtain the file via the Response Center. Brisque 4.1 users will find the file on their Accessories CD.

2. In the **DX** columns, type the correction values in the cells. Enter the values in the **1st Correction** table.



Note: Positive values indicate that the page must to be shifted to the right, negative values- to the left.

Note: Use DY columns only for vertical page shifts. Positive values indicate that the page must to be shifted down, negative values- up.

3. Repeat step 2 for each color/separation.



Note: The DY columns can be used for correcting misalignments resulting when the drum direction is not perpendicular to the direction of the paper movement.

4. If the original corrections were not enough to fix the misalignment, enter new corrections in the **2nd Correction** table, following the same guidelines described in step 2.



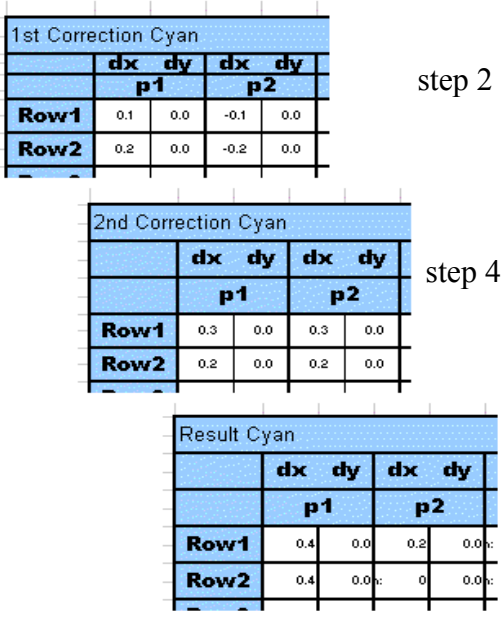
Important: When entering values in the registration chart, be sure to maintain the chart's main structure. Please refrain from making any substantial changes since such changes may cause problems during import.

5. Save the file as a Text (Tab delimited) (*.txt) file, and copy it on the Brisque.

You may create additional registration charts matching other imposition layouts you may have, and use when necessary.

The following graphic illustrates usage of the registration chart for the correction of a two page imposition Job with a horizontal shift.

Misregistration measurements are indicated in both the 1st Correction and the 2nd Correction tables. The sum of these measurements is indicated in the Result table.



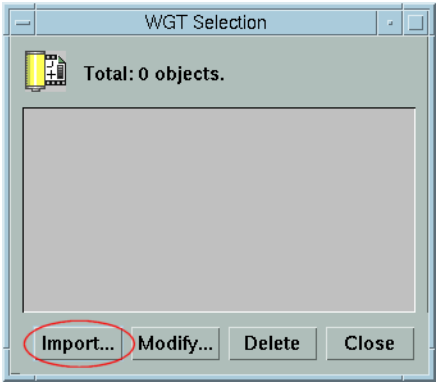
Importing the Registration Chart

To import the registration chart into the Brisque:

1. From the **Setup** panel, select **WebGrowth**.

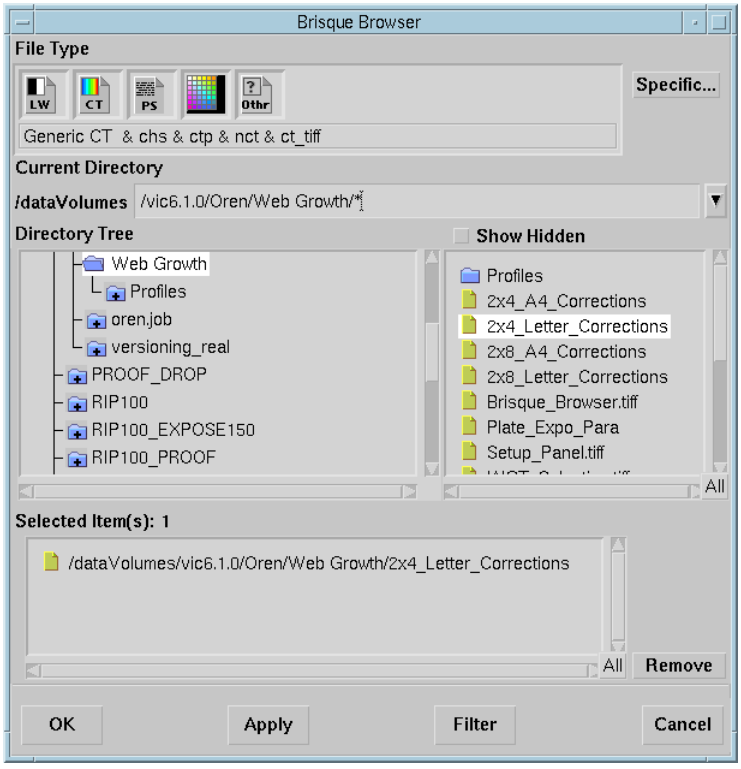


The WGT Selection dialog box appears.



2. In the WGT Selection dialog box, click **Import**.

The Brisque Browser window appears.



3. In the **Directory Tree**, browse to the folder that contains the registration chart and in the list on the right-hand side, double-click the name of the file.

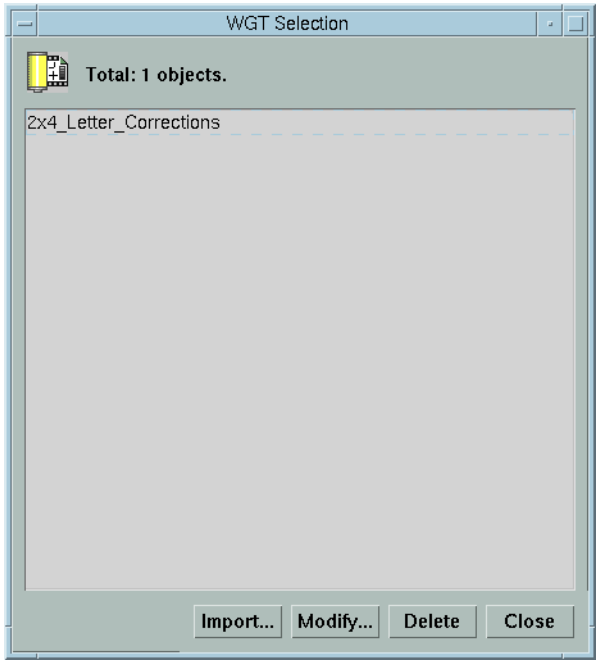
   The file path and name appear in the Selected Items section.



Note: You may import multiple registration charts by double-clicking multiple names.

4. Click **OK**.

   The WGT Selection dialog box now lists the name of the registration chart.



5. Click **Close**.

You may delete a registration chart from the list at anytime.

To delete a registration chart:

1. From the WGT Selection dialog box, select the registration chart you want to delete.
2. Click **Delete**.

   The registration chart is removed from the list.

Applying Corrections

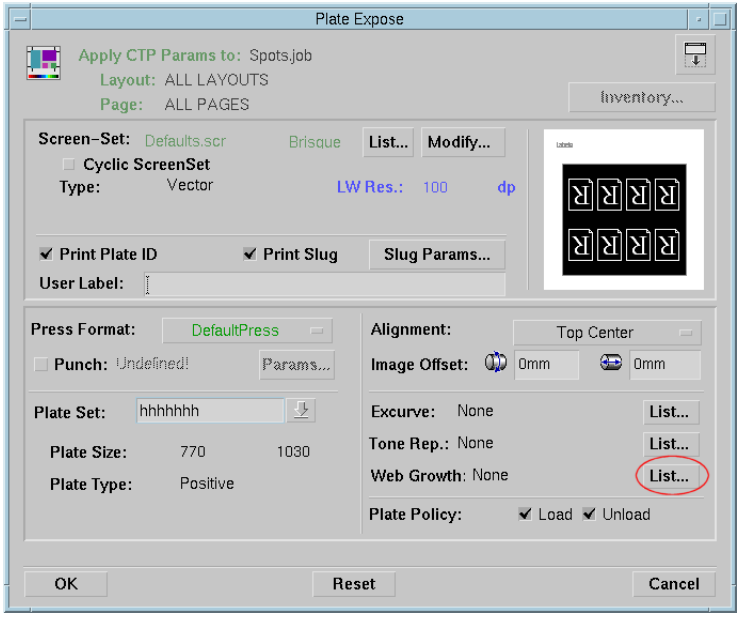
Now that the registration chart has been imported into the Brisque, proceed by applying the corrections on the Job.

To apply the corrections on the Job:

1. Select the Job you want to implement the corrections on.
2. Access the Plate Expose, Screen2Go, or Expose parameters. The relevant dialog box appears.

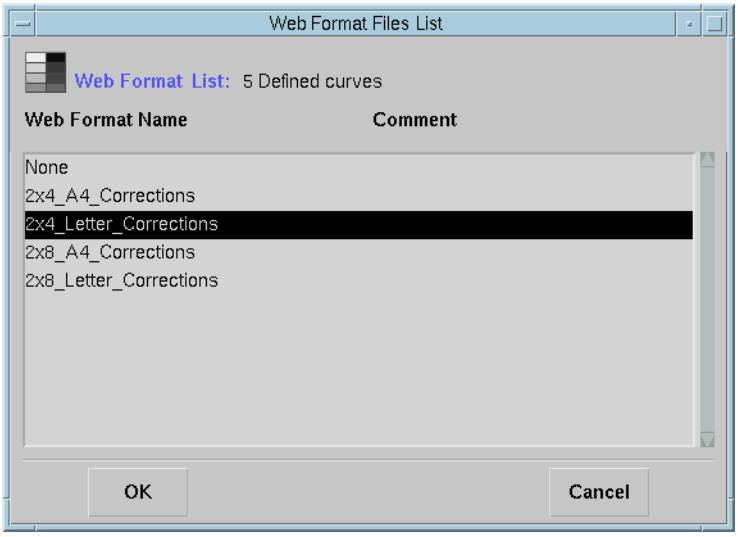


Note: The following graphic and steps refer to Plate Expose, but are similar in theory to Screen2Go and Expose.



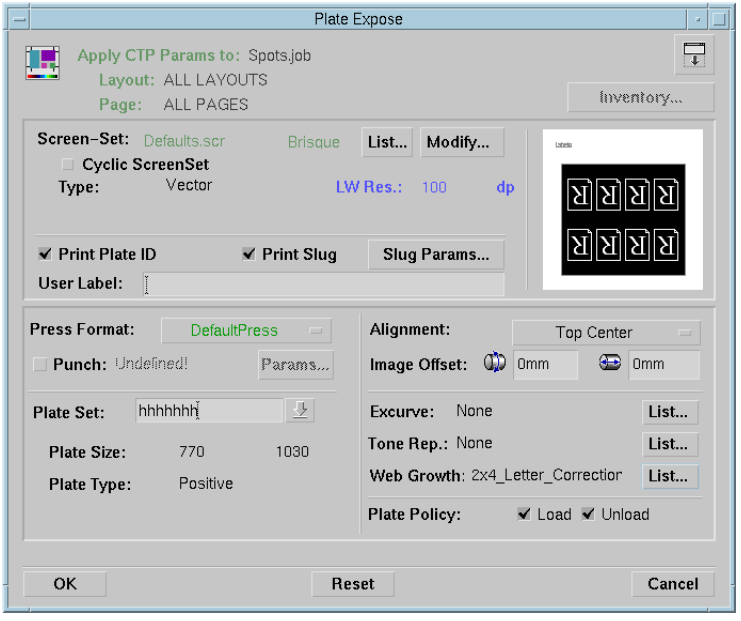
3. In the Plate Expose dialog box, under the **Web Growth** section, click the **List** button.

   The Web Format Files List dialog box appears, displaying the registration charts.



4. From the Web Format Files List dialog box, select the registration chart you want to use, and click **OK**.

   The name of the registration chart appears in the Plate Expose dialog box.



5. Click **OK**.