User Guide

English

Lotem ThermoFlex Flexo Table for Multi Beam Option

399Z1R892B

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RE37,376	5,325,217	5,532,728	5,742,743	5,996,499	6,158,345	6,353,216
4,558,302	5,339,176	5,561,691	5,764,374	5,998,067	6,159,659	6,366,339
4,743,091	5,343,059	5,568,595	5,764,381	6,003,442	6,164,637	6,371,026
4,992,864	5,355,446	5,576,754	5,771,794	6,014,471	6,180,325	6,377,739
5,049,901	5,359,451	5,579,115	5,785,309	6,016,752	6,181,362	6,387,597
5,079,721	5,359,458	5,592,309	5,813,346	6,031,932	6,181,439	6,396,422
5,103,407	5,367,360	5,594,556	5,818,498	6,043,865	6,186,068	6,396,618
5,111,308	5,384,648	5,600,448	5,854,883	6,060,208	6,189,452	6,407,849
5,113,249	5,384,899	5,608,822	5,861,904	6,063,528	6,191,882	6,414,755
5,122,871	5,412,491	5,615,282	5,861,992	6,063,546	6,204,874	6,422,801
5,124,547	5,412,737	5,625,766	5,875,288	6,072,518	6,208,369	6,435,091
5,132,723	5,420,702	5,636,330	5,894,342	6,090,529	6,214,276	6,441,914
5,150,225	5,420,722	5,649,220	5,900,981	6,096,461	6,217,965	6,450,092
5,153,769	5,459,505	5,650,076	5,934,196	6,098,544	6,260,482	6,456,396
5,155,782	5,473,733	5,652,804	5,942,137	6,107,011	6,266,080	6,476,931
5,157,516	5,481,379	5,680,129	5,946,426	6,112,663	6,266,134	6,477,955
5,208,818	5,488,906	5,691,823	5,947,028	6,115,056	6,267,054	6,509,903
5,208,888	5,497,252	5,691,828	5,958,647	6,121,996	6,268,948	
5,247,174	5,508,828	5,696,393	5,966,504	6,130,702	6,283,589	
5,249,067	5,509,561	5,699,174	5,969,872	6,134,393	6,295,076	
5,283,140	5,517,359	5,699,740	5,973,801	6,136,509	6,299,572	
5,291,273	5,519,852	5,708,736	5,986,819	6,137,580	6,318,266	
5,323,248	5,526,143	5,713,287	5,995,475	6,147,789	6,352,816	

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Contents

General 2
Requirements 3
The FlexoTable Application 4
    Launching FlexoTable 4
    Editing FlexoTable 5
Saving the FlexoTable 7
    Backing up FlexoTable to a Data Volume 7
    Restoring FlexoTable from a Data Volume 8

Contents

General....2
Requirements....3
The FlexoTable Application....4
Saving the FlexoTable....7

General

The FlexoTable application enables the service engineer to optimize and clear the Screen Set from unwanted effects, by determining the optimum number of laser beams the ThermoFlex platesetter will use to expose the separation. The application searches the table for the specific Screen Set parameters. When found, it returns the optimal number of beams for the exposure.

The table maintained by this application is saved locally on the Brisque and may be backed up. When needed, the table may be restored from it's backup location.

This document is relevant to the following platesetters:

- ThermoFlex model 2630 (24 beams)
- ThermoFlex model 4045 (48 beams).



Note: all Screen Sets assigned up to 24 beams are automatically referred to ThermoFlex 2630, where Screen Sets assigned from 25 to 48 beams are automatically referred to ThermoFlex 4045.

Requirements

- Lotem ThermoFlex can be connected to Brisque version 4.0 only via TSP.
- Lotem ThermoFlex version 1.20.08 or higher.
- Brisque Version 4.0.97.23 (FP).
- Install the following optional updates from the Brisque version 4.0.97.23 Product CD 2, as detailed in the Brisque 4.0.97.23 Full Production Release Notes (PDF 324 KB):
  - Upd_Brisque4_Flex - 4.0.97.5
  - Upd_Brisque4_ExposeJRE - 4.0.97.4
  - Upd_Brisque4_97_TiffArrange - 4.0.97.7
- Make sure that the Machine Type on the PC controller is defined as either the LotemFlex4045 or LotemFlex2630 to ensure that screen and plate sets are correctly recognized.

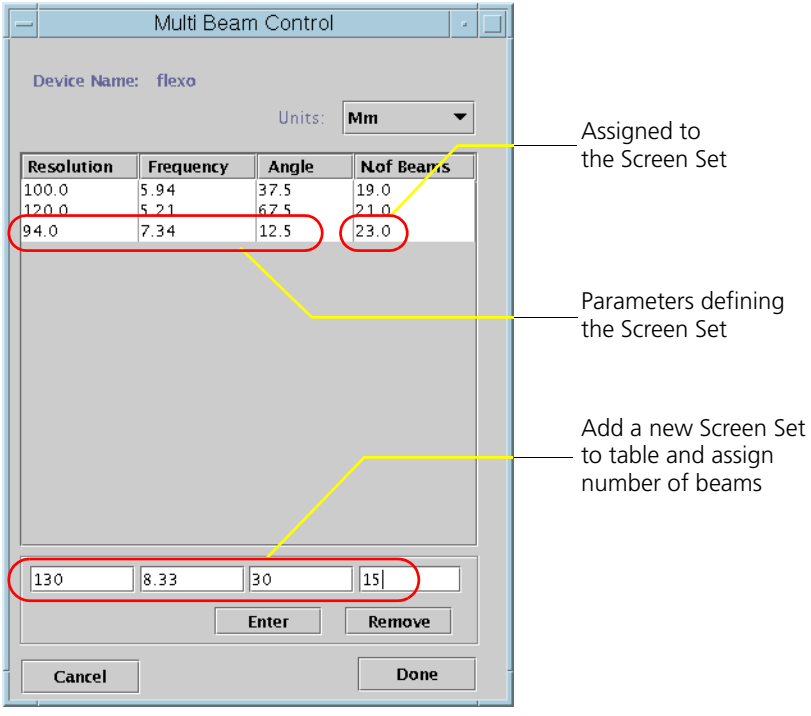
The FlexoTable Application

The FlexoTable application enables the service engineer to assign the correct number of beams for an optimum exposure of a specific Screen Set (defined by a fixed set of parameters including Screen Set resolution, frequency and angle).

Launching FlexoTable

To launch FlexoTable:

1. From the Brisque Launch Pad, open a new terminal.
2. Log in as **root** and type **ripro** (your password).
3. Type `cd /scitex/version/Java/scripts` and press ENTER.
4. Type `./flexoTable.sh` and press ENTER; the Multi Beam Control window appears.



Editing FlexoTable

The service engineer may add or delete a set of parameters (representing a Screen Set) to the table, or may modify only the number of beams, assigned to a set of parameters (a Screen Set).

To add parameters to the table:



Note: All parameters must be identical to those of the Screen Set in order for the application to identify the specific parameters of a Screen Set.

1. From the **Units** list box, select the correct unit of measure:
   - **mm** - millimeters
   - **inch** - inches.
2. Type the Screen Set resolution (exactly as it appears in the Screen Set) in the box directly under the Resolution column.
3. Type the Screen Set frequency (exactly as it appears in the Screen Set) in the box directly under the Frequency column.
4. Type the Screen Set angle (exactly as it appears in the Screen Set) in the box directly under the Angle column.
5. Type the required number of beams in the box directly under the N. of Beams column.
6. Click the **Enter** button; the set of parameters appears at the bottom of the table.
7. Repeat the process for each additional set.
8. When done, click the **Done** button; the table is saved on the local Brisque and removed from the screen. You return to the # prompt.

To delete parameters from the table:

1. In the boxes at the bottom of the window, type the numbers exactly as they appear in all the columns of a single line in the table.
2. Click the **Remove** button; the line (Screen Set) is removed from the table.
3. Repeat the process for each additional set.
4. When done, click the **Done** button; the table is saved on the local Brisque and removed from the screen. You return to the # prompt.

To modify the number of beams assigned to a set of parameters:



Note: On an existing set of Screen Set parameters, the service engineer may modify only the N. of Beams parameter.

1. In the Multi Beam Control window, select (highlight) the N. of Beams parameter and type another instead, then click the **Enter** button.
2. Repeat the process for each additional set.
3. When done, click the **Done** button; the table is saved on the local Brisque and removed from the screen. You return to the # prompt.

Saving the FlexoTable

The table with all the modifications is saved locally when you press the **Done** button. However, if the application is removed and restored the default table appears. You may save a table to a data volume, and restore a saved table, when required.

Backing up FlexoTable to a Data Volume

To back up FlexoTable:

1. Log out from the Brisque application.
2. Log in as **root** and type `ripro` (your password); the # prompt appears.
3. At the prompt, type `scismit`, then press ENTER.
4. From the SciSmit main menu, select **Backup and Restore**, then **Save and Restore Configuration to Data Volume**, then **Save Configuration to Data Volume**; a confirmation window appears.
5. Press ENTER to start the operation.
6. The Status window displays the **OK** status upon completion.



Note: If a failed status is returned, you can scroll through the screen to locate the reason for the failure. In most cases, it is due to a missing DIT password (TransferPro), missing APR path, or missing license. In any case, the configuration is completely saved and can be restored.

7. Select F10 to exit SciSmit.
8. Type `Quit` to return to the # prompt.
9. Type `cdesci` to return to the Brisque application.

Restoring FlexoTable from a Data Volume

To restore FlexoTable:

1. Log out from the Brisque application.
2. Log in as **root** and type `ripro` (your password); the # prompt appears.
3. At the prompt, type `scismit`, then press ENTER.
4. From the **SciSmit** main menu, select **Backup and Restore**, then **Save and Restore Configuration to Data Volume**, then **Restore Configuration from Data Volume,** and press ENTER.
5. Press F4 and select **ALL Brisque Setups**, then press ENTER twice.
6. To confirm, press ENTER when the message `Are You Sure?` appears.



Important: After completion of restore, please wait until the system reboots itself.

7. The Status window appears, displaying an OK status for a successful restore operation.
8. Select F10 to exit SciSmit.
9. Type `Quit` to return to the # prompt.
10. Type `cdesci` to return to the Brisque application.

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