Kodak

ThermoFlex Controller

Software
Version 2.01.354.011

Release Notes
English

739-00278C-EN Rev A

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739-00278C-EN Rev A

Revised August 2007

Introduction

We are pleased to send you the latest revision of Kodak® ThermoFlex® Mid II and Narrow Controller software. These release notes highlight the changes and improvements that were made to release 2.01.354.011 of ThermoFlex software.

ThermoFlex Controller software version 2.01.354.011 is installed in the factory on devices that have a Microsoft® Windows® XP operating system, and a CPU and E-box compatible to Windows XP.

ThermoFlex Controller software version 2.01.354.011 supports the following types of workflow software:

- Kodak Brisque® software
- Kodak Prinergy® software
- Kodak Prinergy Evo software
- Kodak TIFF Front End® (TIFF FE) software

What Is In These Release Notes

The release notes include the following sections:

- *Prerequisites*—describes the hardware and software required to use ThermoFlex controller version 2.01.354.011.
- *New Features*—describes new menu commands, options, windows, or dialog boxes that were added to ThermoFlex Controller software.
- *Enhancements*—describes improvements that were made to existing features.
- *Problems Fixed*—lists problems in the previous release of ThermoFlex Controller that are now resolved.
- *Known Problems*—lists problems that are not yet resolved.
- *Installing ThermoFlex Controller Version 2.01.354.011*—describes the software installation process.

Prerequisites

- Windows XP operating system
- Workflow:
  - Tiff Front End version 3.00.83 or later (for all versions, including the Offset option)

    Note: For external workflow using TIFF Front End, the monitor resolution must be 600 x 800. (See To set the monitor resolution: on page 16.)

  - For the Offset option with beam reduction, one of the following:
    - Prinergy® version 3.1.02
    - Prinergy Evo version 3.0.6.6

    Note: For offset plates, third-party software is also supported, but image quality is not guaranteed.
- Hardware:
  - Windows XP-compatible CPU
  - Windows XP-compatible E-box
  - Local3 board
  - Strobe 7 board

New Features

This section lists features that were added in the new release of ThermoFlex Controller software for ThermoFlex Mid II Hybrid and Narrow Hybrid platesetters.

Windows XP Operating System

The Windows XP operating system is supported.

Offset Plates Supported

For Hybrid devices with the offset option, offset plate loading is supported, including the following features:

Extension

Extension of 6 (1.5) is automatically enabled when you select **offset** in the media definition setting.

Beam reduction

Inconsistancy between diodes can cause non uniformity within a swath, which can cause head patterns. Beam reduction eliminates head patterns caused by non uniformity within a swath.

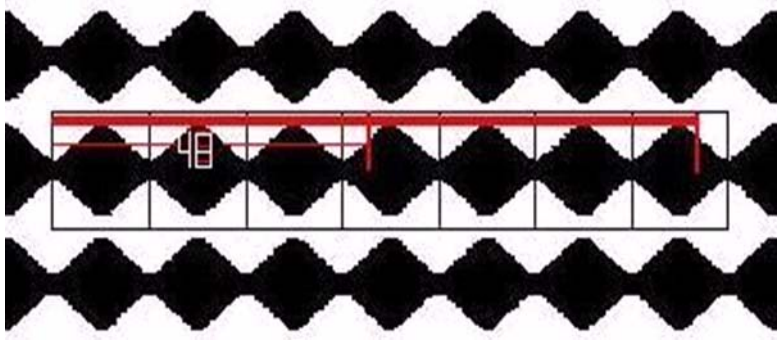


Figure 1: Full swath with screen

When there is non-uniformity within a swath, there is no sampling of the screen frequency. The beam reduction feature forces the patterns to sample the screen by automatically reducing the number of exposing diodes (beams) according to variable screen parameters of resolution to mesh (the distance between the centers of two cells) ratio and angle.

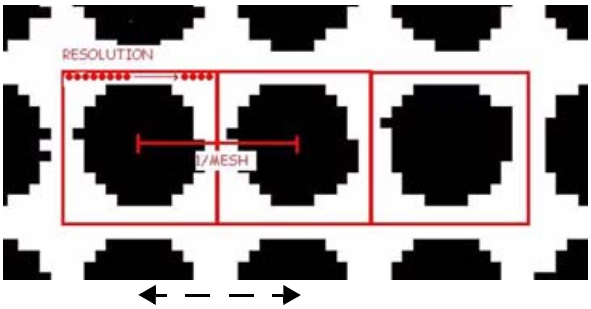


Figure 2: Mesh

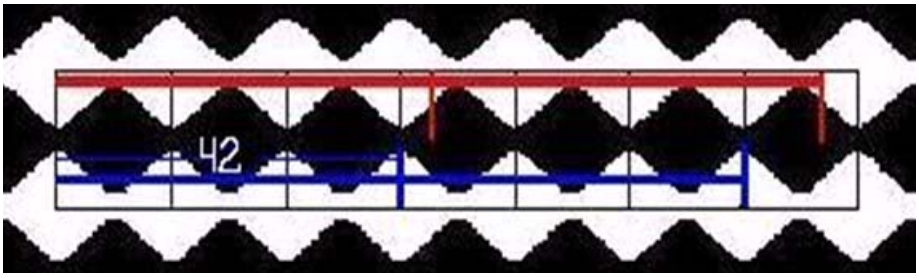


Figure 3: New swath

Since cells are identical only at rational angles, beam reduction is effective only for angles of 45, 90, or 0 degrees.

Since TIFF files do not provide screen parameter information, beam reduction is supported for Brisque jobs and Prinergy TIFFs, but not for third-party TIFFs.

Note: For FM staccatto, 24 beams are standard.

Diode Factors for First Three and Last Three Diodes

- Flexo: It is recommended to add factor values 10, 7, and 4
- Offset: TBD

Note: See Laser Factors Per Media on page 6.

DVD RW Application

DVD RW enables you to burn a DVD with customer jobs, for example, or machine parameters, etc. Kodak supplies an application that enables the operator to create the image.

To save customer system information on DVD:

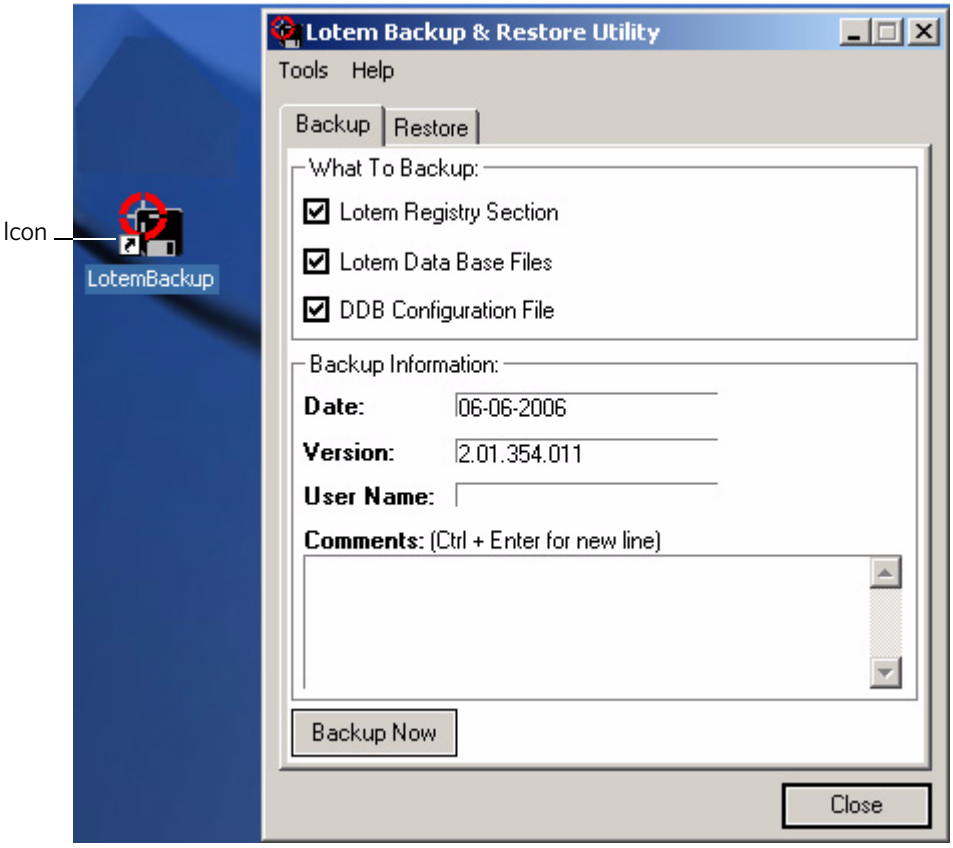
1. Take the necessary steps to access the E-box.
2. Insert a DVD burning application in the E-box DVD drive.
3. Quit the ThermoFlex Controller software and shut down the platesetter.
4. Turn on the platesetter.
5. In the DOS screen that appears on the monitor, select **Backup and restore**.
6. In the `Are you sure?` prompt, select **Yes**.
7. Select the relevant option and continue with the wizard.

8. When the wizard is complete, remove the DVD.
9. Insert the DVD and click **Enter**.

   A window appears that shows the progress of the DVD burning process.

Lotem Backup & Restore Utility

The LotemBackup icon opens the Lotem® Backup & Restore Utility. This utility allows you to quickly backup the registry, data base, and DDB factors.

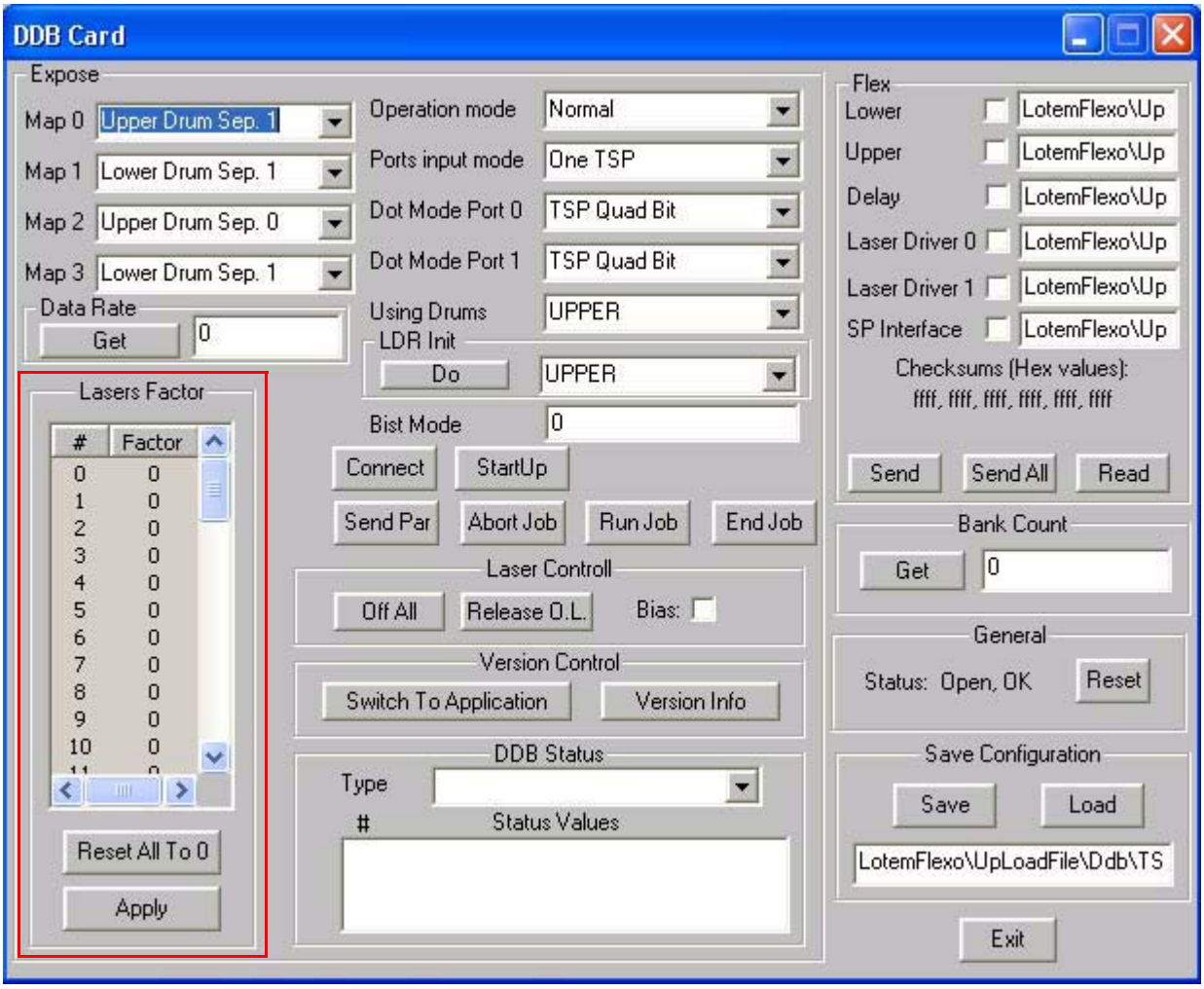


Laser Factors Per Media

You can create a customized table of laser factors for each different type of media. You can then use the customized table as follows:

- **Laser calibration testing:** Run a laser calibration test using a customized laser factors table.
- **Assign a customized laser factors table to a specific media:** Automate the use of a customized table of laser factors for a specific media by assigning a table to the media type.

Note: The laser factor table is no longer enabled in the DDB Card dialog box, as shown following. Instead, the laser factor table is now located in the DataBase dialog box, described on page 7.

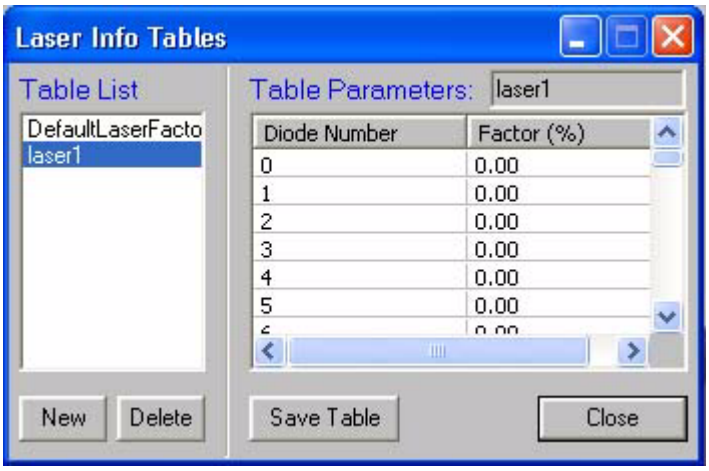


To create a customized laser factor table:

1. In the Hardware tree, select **DataBase > Laser Info**.



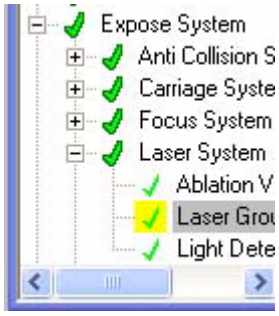
2. In the Laser Info Tables dialog box, click **New**.



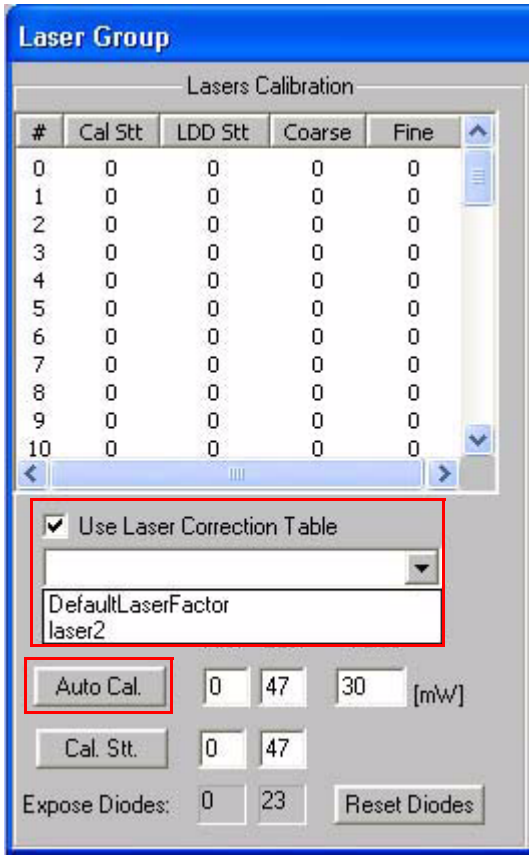
3. In the **Table Parameters** box, verify that the new list appears.
4. In the **Diode Number** list, select the diode whose factor you want to change, and then change the **Factor (%)** parameter.
5. Repeat step 4 for any other diode whose factor you want to change, and then click **Save Table**.

To run a laser calibration test using a customized laser factors table:

1. In the Hardware tree, select **Expose System > Laser System > Laser Group**.



2. In the Laser Group dialog box, select the **Use Laser Correction Table** checkbox, and select the laser factor table that you created.



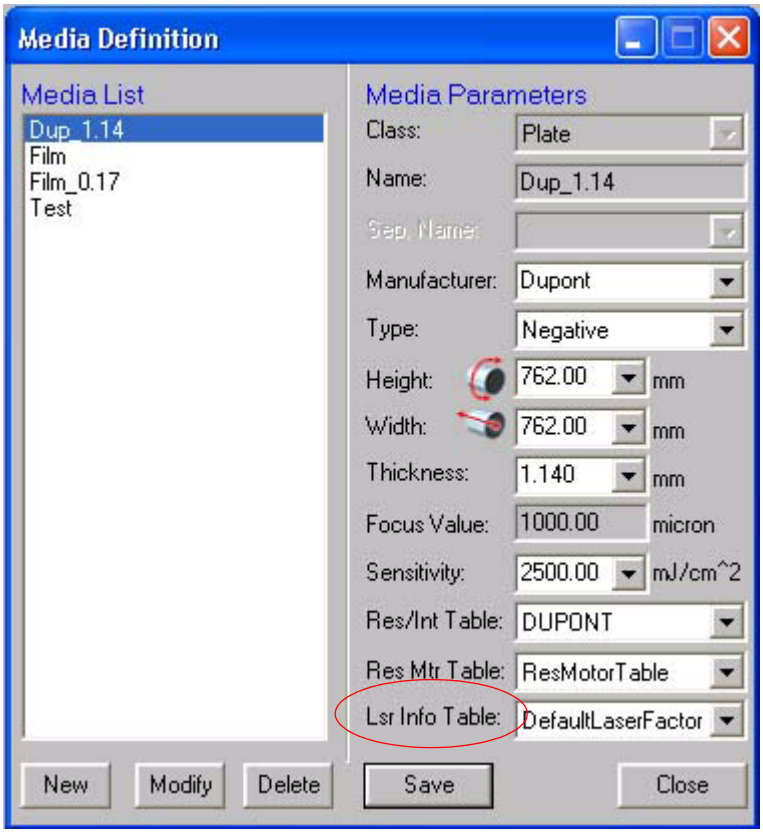
3. Click **Auto Cal**. A laser calibration test runs, using the laser factor table that you selected.

To assign a customized laser factor table to be used automatically by a specific media:

1. In the **Settings** menu, select **Media Definitions**.



2. In the Media Definitions dialog box, in the **Media List**, select the media type for which you want to assign a laser factor table.



3. In the **Media Parameters** area, in the **Lsr Info Table** list, select the customized laser factor table, and then click **Save**.

   The platesetter will automatically use the laser factor table that you assigned whenever that media is used.

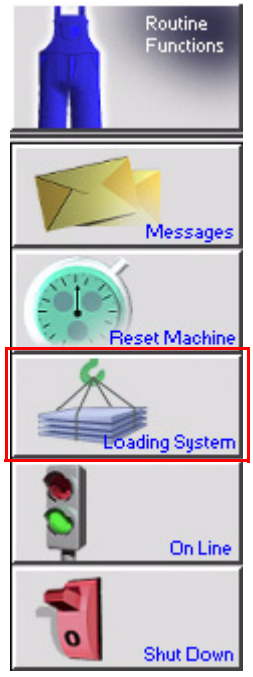
Enhancements

This section lists features that were improved in this release of ThermoFlex Mid II/ Narrow Controller software. Features that were modified as a result of a problem in the software are described in *Problems Fixed* on page 11.

- **BIOS**: The Windows XP operating system image CD ROM includes the BIOS, and includes all of the remote support accessories that were formerly on a separate CD.
- **Remote support accessories**: Remote support accessories, including remote desktop, are part of the image CD. In addition, you are automatically updated with the latest improvements. Other support applications are also available with XP.
- **Open interlocks list**: During startup, if any doors are open, a list of open interlocks appears on the monitor.



- **Loading system dialog box**: The Loading System dialog box access is simplified.



Problems Fixed

This section lists problems that are resolved in the current release of ThermoFlex Controller software.

- During preventative maintenance, the message to open the door appeared after the solenoid no longer enables opening the door. You had to listen for the sound of the opening of the solenoid to know when to open the door.

Limitations

This section lists issues in the current release of the ThermoFlex Controller software that are not problems, but require attention.

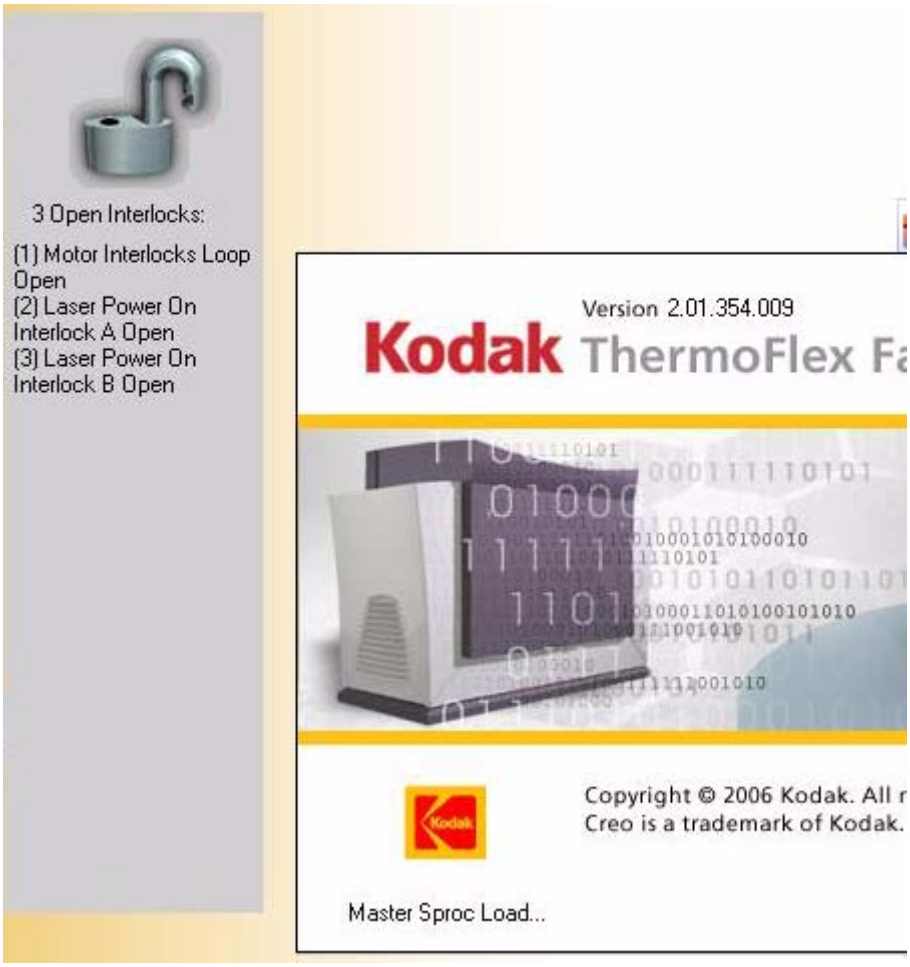
- For non-omron devices, during shutdown, if one of the doors is open, a message appears to close the door. If you click **OK**, ThermoFlex Controller shuts down properly, but does not move the focus motor to HP. This can cause lens-plate collision when a thicker plate is loaded on the drum.
- Upon startup, it takes about five minutes for ThermoFlex Controller to appear.
- If you perform startup while a platesetter door is open, the appearance of the ThermoFlex Controller software is different than when you perform startup with all platesetter doors closed.
- During exposure, if you select the UDRC motor through the hardware tree, the UDRC dialog box cannot be closed unless you restart ThermoFlex Controller .

Known Problems

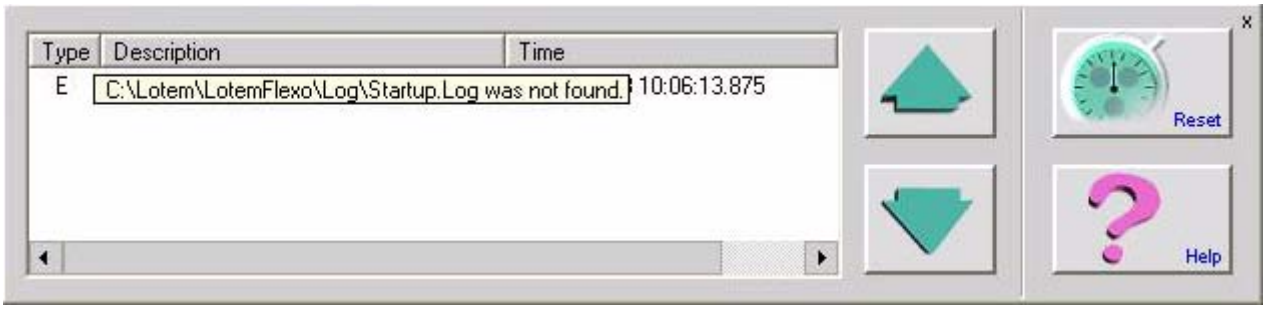
This section lists known problems in ThermoFlex Controller software. They may be outstanding issues from a previous release or new problems. When a problem listed here is resolved, the solution is described in the *Problems Fixed* section of the release notes for the next version of ThermoFlex Controller software.

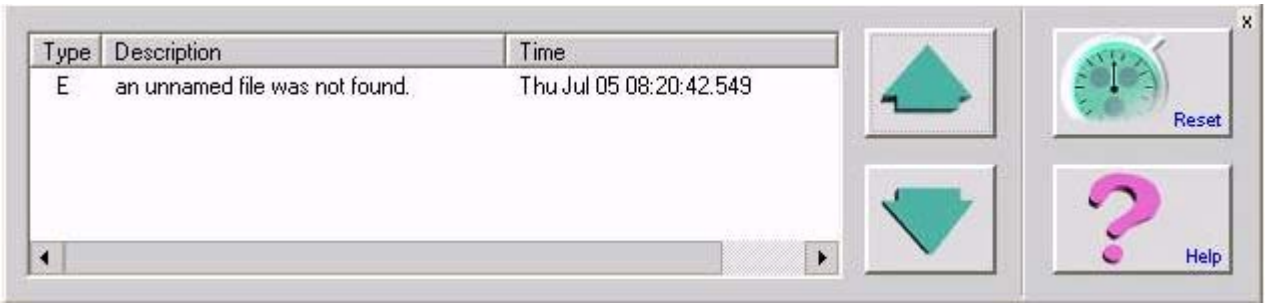
- The light Activator Task message relates to a future feature.
- The temperature control (TEC) system works, but is not accessible from the software.
- During exposure, after the loading process starts, if you accidentally press the Unload button, a debug message appears and you must restart ThermoFlex Controller.
- During exposure, if you select the UDRC motor through the hardware tree, the UDRC dialog box cannot be closed and you must restart ThermoFlex Controller .
- On ThermoFlex Mid, the drum continues to revolve during media loading or unloading .
- On ThermoFlex Mid II on the operation panel, the OK button remains on.
- When you send two jobs for loading or unloading, a debug message appears.
- The following error message appears intermittently during delay and intensity (drum speed) calibration tests:
  `Emergency Stop: Drum speed deviation is above the limit.`
- Dialog boxes cannot be opened from the desktop.
- Diagnostics do not work.

- While a platesetter door is open, if you minimize the ThermoFlex Controller software (by pressing CTRL + M) and then close the door while the ThermoFlex Controller software is minimalized, when you maximize the ThermoFlex Controller software, the open interlock error message still appears and you must click **Reset**.

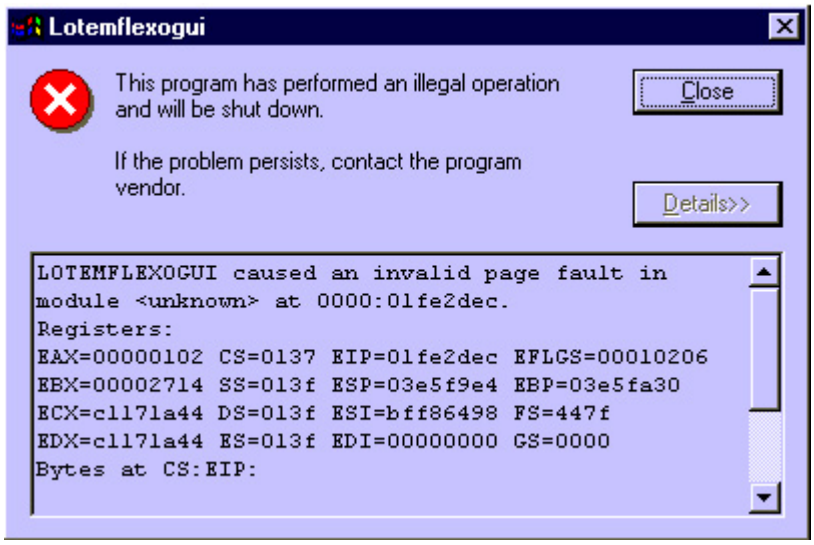


- Intermittently during startup, error messages appear in ThermoFlex Controller, and you must restart the software.





- When working with TIFF Expose, when you shut down the device, a debug message appears, and you must click **Close**.



Installing ThermoFlex Controller Version 2.01.354.011

This section desribes how to install ThermoFlex Controller software.

To set the monitor resolution:

1. On the desktop, right-click and select **Properties**.
2. In the Display Properties dialog box, click the **Desktop** tab.
3. In the **Background** list, select the background with the correct resolution for your workflow:

   Brisque or TIFF FE: Select **KodakWallpaperPC800x600**
4. Click **Apply**, and then click the **Settings** tab.
5. In the Settings dialog box, in the **Screen Resolution** area, adjust the Less/More bar to the same resolution that you selected in the previous step, and click **OK**.

To install ThermoFlex Controller software:

1. Insert the version 2.01.354.011 CD in the CD-ROM drive. The installation wizard appears.
2. In the Welcome screen, click **Next**.
3. In the User Info screen, click **Next**.
4. In the Machine Type screen, select the relevant type of device and then click **Next**.

   - **ThermoFlex Mid II**
   - **ThermoFlex Narrow**

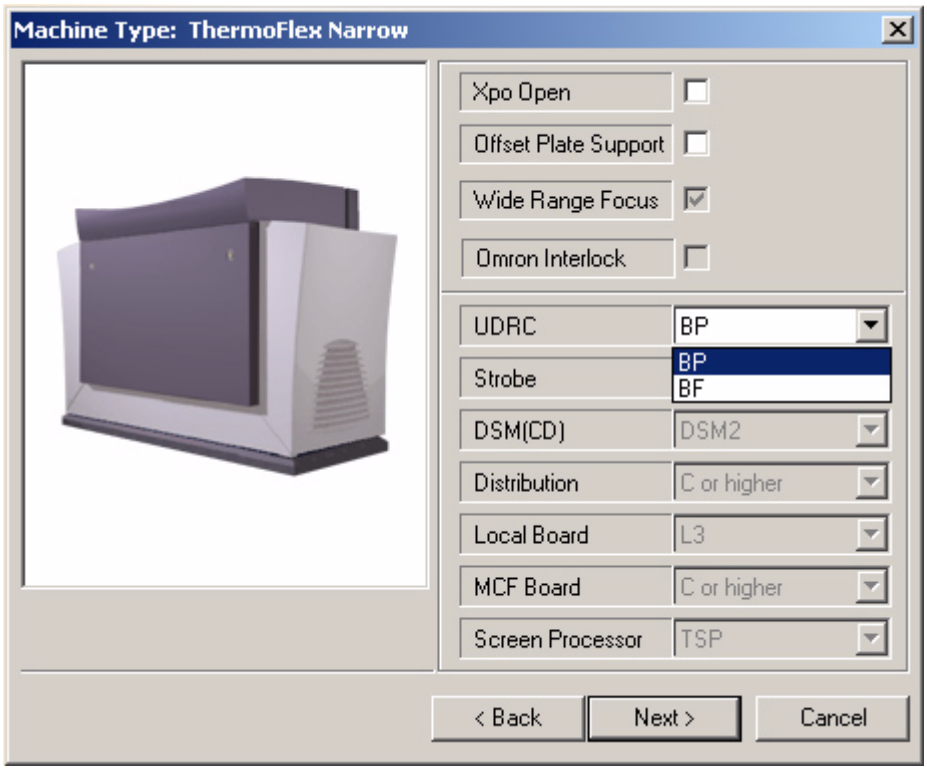
   Note: If the configuration includes Brisque, change the type of device name to one of the following, as required:

   - **ThermoFlexMid2**: Change to **LotemFlex4048**
   - **ThermoFlexNarrow**: Change to **LotemFlex2630**

5. In the second Machine Type screen, the configuration details of your device appear.

   The following two options are not set automatically. Set them according to you configuration, and then click **Next.**

   - **Offset Plate Support**: To verify that the device is offset, confirm that the platesetter drum has registration pins.
   - **UDRC**: If you have external venting, select BP. If not, select BF.



6. In the Start Copying Files screen, the details that you have selected appear. To start copying files, click **Next**.

   Attention: Do not click the **Cancel** button. Wait patiently for the files to be copied.

7. In the Install Wizard Complete screen, click **Next**.

   Note: Upon startup, it takes 2–5 minutes for ThermoFlex Controller to appear.

8. When prompted, install the relevant security updates, according to the list in Appendix 1, *Security Updates*:

A

Security Updates

Updates for Windows XP

- KB931836
- KB922582
- KB916595

Security Updates for Windows XP

- KB925902
- KB931784
- KB930178
- KB931261
- KB932168
- KB928255
- KB928843
- KB927802
- KB924667
- KB927779
- KB918118
- KB926436
- KB929969
- KB923980
- KB926255
- KB923689
- KB920213
- KB924270
- KB923414
- KB924496
- KB923191
- KB924191
- KB922819
- KB919007
- KB920685
- KB917422
- KB920670
- KB920683
- KB914388
- KB911280
- KB914389
- KB917344
- KB918439
- KB913580
- KB917953
- KB908531
- KB911562
- KB911927

Security Updates for Windows Media Player

- Security Update for Windows Media Player 6.4 (KB925398)
- Security Update for Windows Media Player 9 (KB917734)
- Security Update for Windows Media Player Plug-in (KB911564)

Other Updates

- Windows Malicious Software Removal Tool - April 2007 (KB890830)
- Windows Genuine Advantage Notification (KB905474)
- Cumulative Security Update for Internet Explorer 6 for Windows XP (KB928090)
- Cumulative Security Update for Outlook Express for Windows XP (KB923694)