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creo

Technical bulletin

Release Notes for ThermoFlex Controller Software Version 1.31.350.002

These release notes describe the additions and enhancements that were made since the release of the previous ThermoFlex® Controller software version. Software version 1.31.350.002 supports the following products:

- ThermoFlex Mid II
- ThermoFlex Mid 4048
- ThermoFlex Narrow

These release notes include the following subjects:

- Prerequisites
- Installing version 1.31.350.002
- New features
- Enhancements
- Limitations
- Known problems

Prerequisites

- Local3 board
- Strobe 7 board
- Brisque® 4.1 software or TIFF FE 3.0.37

Installing version 1.31.350.002

1. Insert the version 1.31.350.002 CD (part number 651-00331A) in the CD-ROM drive, and follow the instructions in the wizard.
2. For ThermoFlex Mid II, when the software is loaded, in Regedit, locate HKEY_LOCAL_MACHINE\SOFTWARE\Scitex\Projects\LOTEMFLEXO\MACHINE and change the machine type to **LotemFlex 4048**.
   Note: This step will be eliminated with Brisque version 5.1.

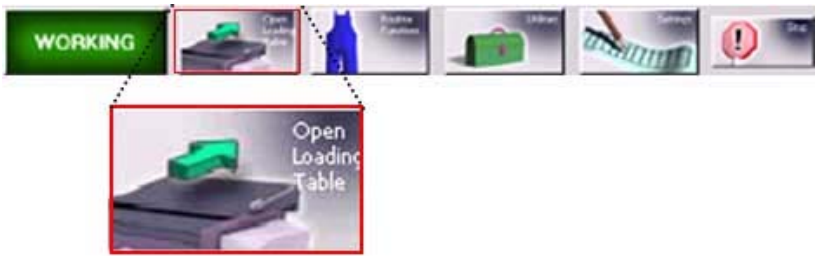
New features

- Diagnostics are supported. (See the Troubleshooting page in TechPlanet.)
- There is a new startup sequence:
  1. The focus motor moves to Home Position (HP).
  2. The carriage moves to HP.

3. Drum init is activated.
4. If a plate is on the drum, the vacuum pump is activated.
5. If your configuration is for ThermoFlex Mid II, the LEDs on the panel (load, unload and OK) turn on and off as the system checks whether the commands are successful.

Note: During each step, if the task is not completed successfully, an error message appears. In step 5, if the LED is not lit but the command is successful, no error message appears.

- Emergency system is supported.
- Wide focus range is supported.
- Install shield configuration is supported.
- Foot pedal does not exist in ThermoFlex Mid II.
- The Mid II configuration has a new interface:
  - The **Open Loading Table** menu button replaces **Open Front Door**



  - A new picture of the device appears on the monitor.
  - You can open the loading table by double-clicking the loading table on the picture of the device on the monitor.



  - The **Preventive Maintenance** button opens the loading table (instead of the front door, as in other ThermoFlex products).

- The **Routine Functions** menu includes a new picture of the **Open Service Door** button.

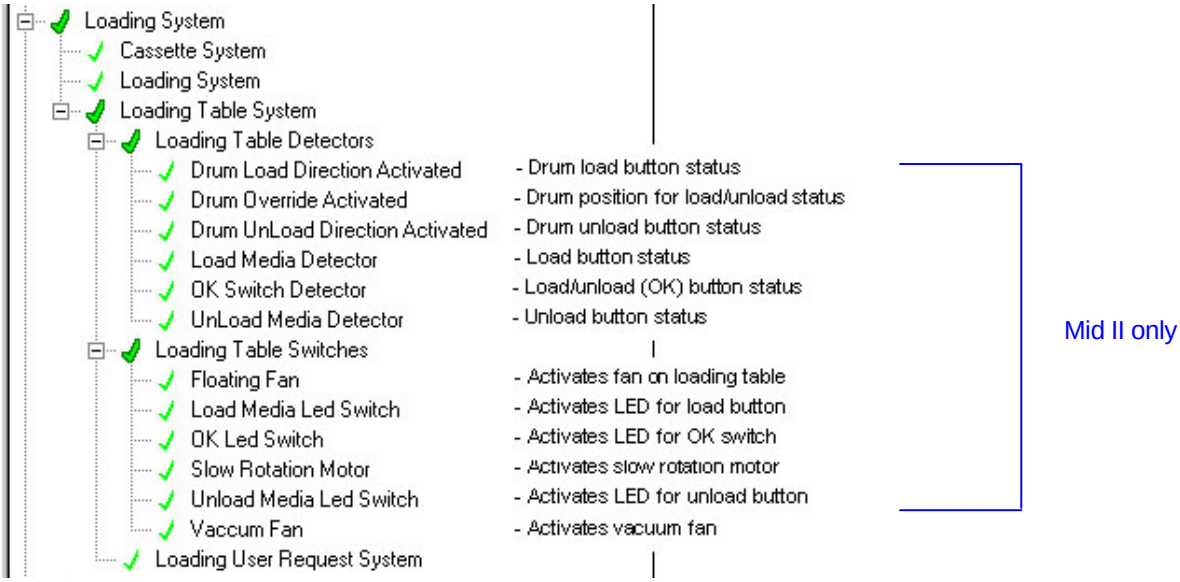


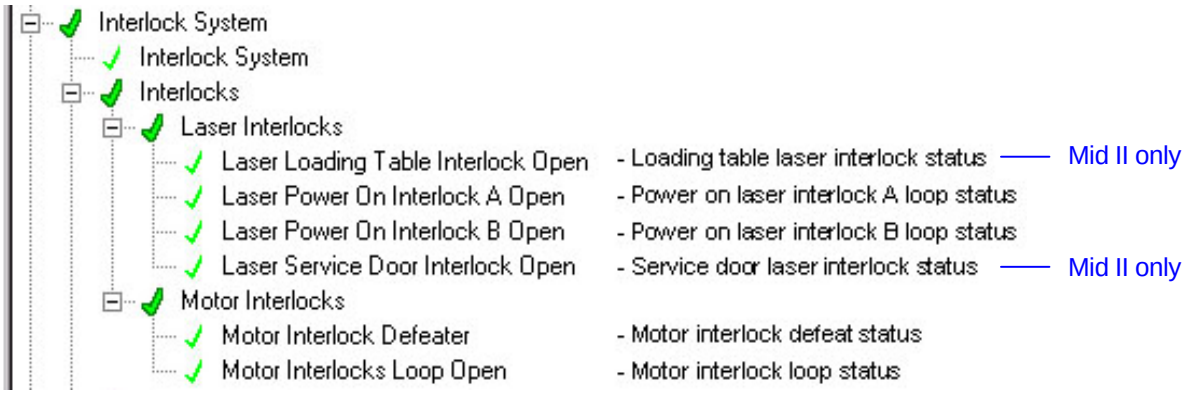
- Changes were made in the hardware tree to the status of the Interlock detector items (relevant to Mid II):

  Laser interlocks—when a door or panel is open, the laser interlock status is OPEN and lasers cannot be activated.
  There are no separate signals for the side door laser interlocks and the rear and front panel laser interlocks, so if any of those interlocks are OPEN, the status of both A and B Laser Power On Interlocks changes to OPEN.

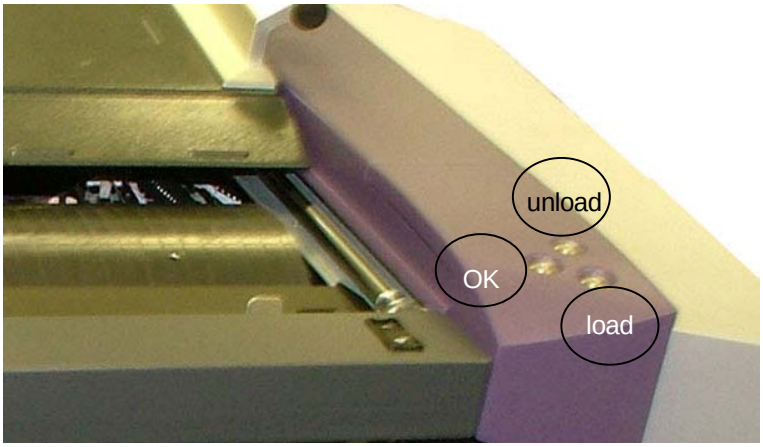
  Motor interlocks—when one of the motor interlocks is OPEN, no functions can be activated, except the following:

  - You can rotate the drum using the switch on the panel
  - You can activate the focus motor from the application





- Operation panel (Mid II only)—a panel has been added to the device on the top-right front side. You can perform the following functions by pressing the relevant button on the panel:
  - **Load**—to load a plate of the same type as the previous plate
    Note: The first time you load after installation and when you load a new plate type, perform loading from the ThermoFlex Controller software, not with the loading button on the device.
  - **Unload**—to unload the plate from the drum
  - **OK**—to shorten the loading process, unload a plate and without closing the loading door, load another plate. After you close the door, the expose process starts, but the system asks you to load a plate. Press OK to indicate that the plate is already loaded on the drum.

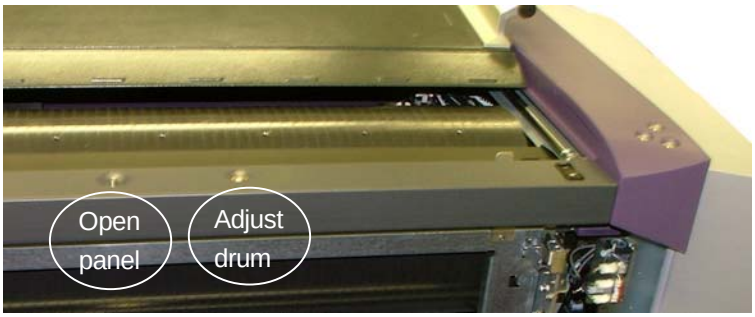


- Operation bar (Mid II only)—an operation bar has been added to the device on the top front. You can perform the following functions on the operation bar:

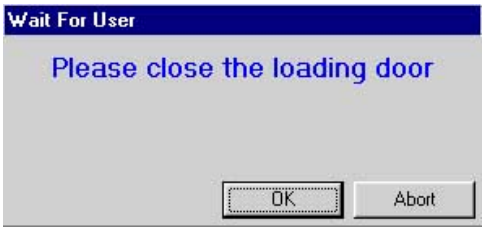
- **Rotate drum**—to rotate the drum in preparation for plate loading/unloading



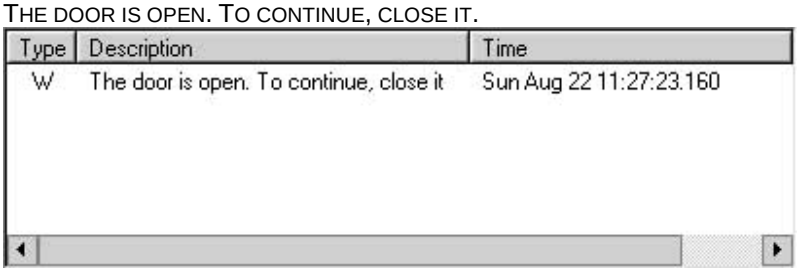
- **Adjust drum**—to adjust the drum position
- **Open panel**—to open the front panel of the platesetter



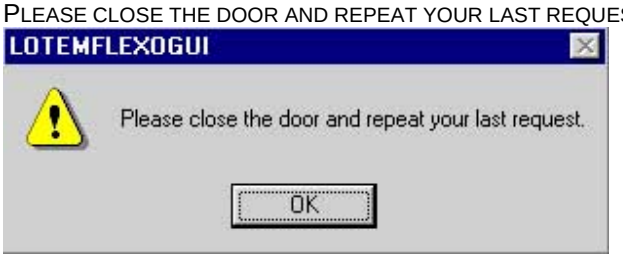
- Error messages appear (Mid II only) for the following loading and unloading issues:
  - PLEASE CLOSE THE LOADING DOOR.



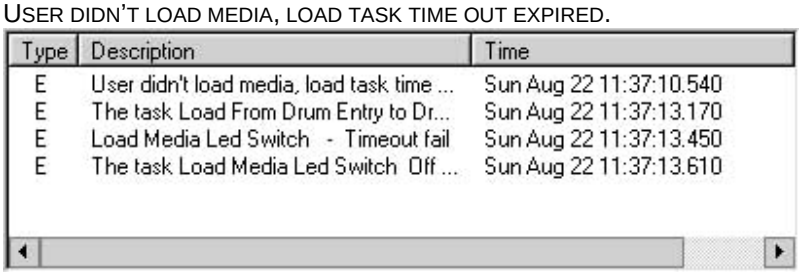
  - THE DOOR IS OPEN. TO CONTINUE, CLOSE IT.



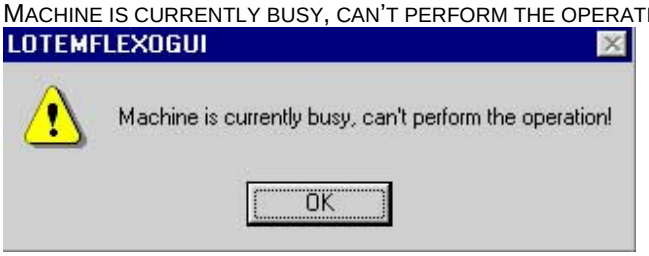
- PLEASE CLOSE THE DOOR AND REPEAT YOUR LAST REQUEST.



- USER DIDN'T LOAD MEDIA, LOAD TASK TIME OUT EXPIRED.



- OPEN LOADING DOOR OPERATION HAS FAILED.
  This message appears if the door does not open within the allotted time.
- MACHINE IS CURRENTLY BUSY, CAN'T PERFORM THE OPERATION!



Enhancements

- DDB startup is eliminated (for example, after opening one of the platesetter doors).
- The anti-collision detector works prior to exposure, and then is disabled during exposure and when the head returns to HP.
- The emergency system stops operation in the event of an emergency (for example, drum runaway).
- Install shield (configuration support) is supported.
- Remote support tools to enhance support locally or remotely are located on the version 1.31.350.002 CD.

  The version 1.31.350.002 CD includes an **Accessories** directory with installation instructions for each accessory. If you do not have the version 1.31.350.002 CD, see FCO 512-00141A for general information and installation instructions.

  For devices that run on Windows® 95, to export logs, the database, or other information through remote support, share the C: drive for the device.

  Note: To enable remote support, the TCP/IP connection must not be point-to-point . Connect both the workflow solution workstation and the platesetter to the site's network infrastructure.
- When shutting down, the focus motor returns to HP.

Limitations

For ThermoFlex Narrow, during shutdown, the focus motor moves to HP only when the interlocks are closed. When you shut down the device, you must first shut all doors and panels to make sure that all interlocks are closed.

Known problems

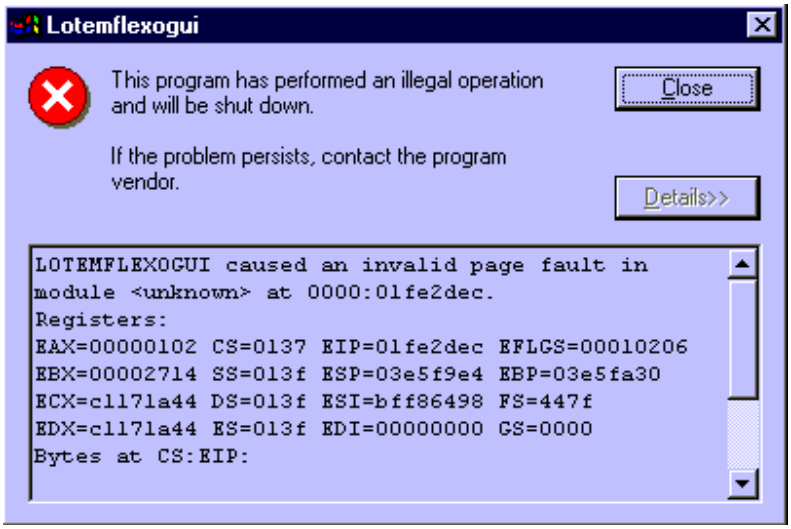
- In ThermoFlex Mid 4048, in Controller, under **Open Interlocks**, FRONT DOOR OPEN appears.
  Workaround: Change the front door interlock active state parameter value from 0 to **1**, and change the detector num parameter from 57 to **33**.

- During preventive maintenance, the message to open the door appears after the solenoid no longer enables opening the door.
  Workaround: Do not look at the monitor; instead listen for the sound of the opening of the solenoid.
- The Light Activator Task message relates to a future feature.
- The temperature control (TEC) system works, but is not accessible from the software.
- When you click the **Preventive Maintenance** button, after the back door is opened, two error messages appear:
  - MACHINE INTERLOCK ACTIVATED, PERFORM EMERGENCY STOP TO THE MACHINE
  - LASER INTERLOCK ACTIVATED

  After these error messages appear, the device goes to **Offline** status and you must change the mode to **Ready**.
- When loading the version after a crash, in the resolution table, Resolution 94.448 is not correct.
  Workaround: correct 94.4**48** to be 94.4**88**

- When working with TIFF Expose, when you shut down the device, a debug message appears:



  Click **Close**. The device shuts down immediately.

- On the ThermoFlex Narrow only, in the Media Definitions dialog box, two media sizes appear that are only appropriate for Mid II devices.
  Workaround:

  1. Select one of the following media types:
     - Dup 0.067
     - Dup 0.045
  2. Change the height and width values as follows:
     - Height—change from 1010 to 690
     - Width—change from 1200 to 762
  3. Repeat steps 1 and 2 for the other media type.

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