Release Notes

English

Lotem 400
Version 1.61.351.012

739-00276B-EN Rev A

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Introduction

We are pleased to send you the latest revision of the Kodak *Lotem* 400 Controller software, version 1.61.351.012. These release notes highlight the changes and improvements that were made to release 1.60.09 of the *Lotem* 400 Controller software.

Version 1.61.351.012 includes updates 2 and 3.2.



Note: This version supports the updated distribution board (503-00352A) in addition to the current distribution board.

Products

- Kodak *Lotem* 400
- Kodak *Lotem* 400 Xpose

Prerequisites

Lotem 400 Controller software version 1.60.09

What Is in These Release Notes

The release notes include the following sections:

"Problems Fixed"—lists problems in the previous release of the *Lotem* 400 Controller software that are now resolved.

"New Features"—describes new menu commands, options, windows, or dialog boxes that were added to the *Lotem* 400 Controller software.

"Enhancements"—describes improvements that were made to existing features.

"Known Problems"—lists problems that are not yet resolved.

"*Installing Lotem Controller Version 1.61.351.012*"—describes the installation process of the software, and any related hardware.

New Features

This section lists features that were added in the new release of the *Lotem* 400 Controller software.

- New buttons in the Hardware Tree allow you to check the function of the master and slave sprockets.

  In case a problem occurs that may be related to the MCF board and you want to check the log, proceed as follows:

  a. Select **Hardware > Boards > MCF boards** and select the relevant sprocket (Master or Slave).

  b. In the Slave Sprock (or Master Sprock) dialog box, right-click and select **Properties**.

  c. To enable the self test, in the Properties dialog box, change the **Self Test Enable** parameter from 0 to **1** and then restart the computer.

  Note: After testing, change the parameter value back to **0** and restart the computer.

  d. Click the new **Run & Code Test** button to run the sprocket test.

  e. To view the test results, select **Utilities > Log Files** and select the **All Message Types** check box.

- When the *Lotem* 400 Controller software starts, if the laser and mechanical interlocks are closed, the device performs drum init and the carriage moves to HP.

Enhancements

The MCF board reliability is improved in this release of the *Lotem* 400 Controller software. An automatic sprocket test runs invisibly during the normal functioning of the device. If the test is not successful, it automatically resets and loads to fix the malfunctioning sprockets.

Features that were modified as a result of a problem in the software are described in the following section, “Problems Fixed”.

Problems Fixed

This section lists problems that are resolved in the current release of the *Lotem* 400 Controller software.

- **Drum init**—in the Loading System dialog box, the drum movement required you to perform Drum Init the first time.
- **Edge detection**—when the drum was on low speed (under 600 rpm), plate edge detection failed.
- **Diagnostics support**—version 1.60.09 did not include diagnostics and you had to install diagnostics with a separate CD. Version 1.61.351.012 includes diagnostics.
- **Ddb.wcs**—the ddb.wcs file installs automatically.
- **UDRC Doctor Watson error**—for configurations with UDRC, a Doctor Watson error occurred.
- **UDRC nozzle air flow blocked error**—for configurations with UDRC, the Nozzle air flow blocked error occurred, and you had to change the following UDRC nozzle parameters to resolve the error:
  - Bellmouth Flow Constand
  - Bellmouth Flow Exponent

Known Problems

This section lists known problems in the *Lotem* 400 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 the *Lotem* 400 Controller software.

Installation

After installing version 1.61.351.012, the following occur:

- **Icons**: Upon the first restart, the *Lotem* 400 and Diagnostics icons disappear.

  Workaround: Uninstall the version and then reinstall it, and verify that the icons appear.

- **DDB board WCS**: The first time you open the Laser Group dialog box, it takes several minutes to load the DDB board WCS.

- **Conveyor motor**: The conveyor motor starts slowly.

  Workaround: Increase the conveyor motor speed parameter to **10**.

- **Conveyor**: The conveyor does not move the plate because the conveyor motor does not rotate.

  Workaround: When installing the unload plate conveyor, define the flat belt conveyor and change the following parameters under **Loading System > Unload Plate:**

  - **First Conveyor Motor Speed**—change the default value (0.9) as follows:
    - Flat belt conveyor: 20
    - Round belt conveyor: 5
  - **Second Conveyor Motor Speed**—change the default value (0.5) as follows:
    - Flat belt conveyor: 15
    - Round belt conveyor: 2

Opening and Closing Doors

- **Motor interlock**: When you close the platesetter doors, the motor interlock in the *Lotem* 400 Controller software remains open for about 10 seconds.
- **Attention**: After startup (with the platesetter doors open), the interlock is activated, an emergency stop occurs, and Attention status appears. The same process occurs when opening the loader door.
- **Offline**: The software changes to OFFLINE after the cassette door is opened.

Xpose

- **Installation**: When installing Xpose, Xpose does not appear as the default selection and you must select PSM (Xpose).
- **Backup and Restore utility**: The utility does not work for *Lotem* 400 Xpose.
- **Xpose with MCU**: When exposing large positive plates of 750 mm along the drum, in Regedit, you must change the **Margin** parameter from -3 to **0**.
- **Xpose with MCU with CPU type 3 (new image)**: During a cold start installation, COM 2 is not defined. When you try to work, you get an error message.

MCU

- **Paper disposal**: In the *Lotem* 400 Controller software, under Loading System, the paper disposal stage does not work.
- **MCU door image**: In the *Lotem* 400 Controller software, the image of doors opening appears correctly but the cassette door does not appear.
- **Lotem 400 small with MCU**: In this configuration, in the earlier version that does not support small plates, the suction cups for large plates are activated for small plates (381×457 mm), which causes loading problems.

  Workaround: Change the **Min Plate Height Operation Middle Value** parameter from 330 to **381**.

Debris Removal

- **UDRC B**: During installation, when you select the UDRC B option, the UDRC solenoid does not appear in the **Hardware Tree**.

  Workaround: In the registry, select **IO OBJECT\Debris Removal** and change the **Open** parameter from 0 to **1**.
- **UDRC**: When loading this version as Processless, the Max Laser Power changes to 350 mW. It should be 600 mW.

General

- **VNC**: When you activate VNC from outside the *Lotem* 400 Controller software, the safety dialog does not appear.

  Workaround: Activate VNC from the *Lotem* 400 Controller software.

- **Focus test**: When performing the focus test, you must temporarily turn off edge detection:

  a. In the Media Definition dialog box, select **Advanced Mode**.

  b. Under **Positioning Type**, click **None**.

- **Digital vacuum detector**: The digital vacuum detector is not supported, so you cannot check XY vacuum.

- **Focus GoPos**: Focus GoPos always has an error of 0.5.

- **Low speed detector**: The low speed detector flickers.

  Workaround: Replace the distribution board.

- **Aborting exposure**: When aborting an exposure, plates do not unload intermittently.

  Workaround: In the registry, under **Expose**, change the **Unload Plate In Expose Failure** parameter value from 0 to **1**.

- **Stopping a running task**: When trying to stop any running task, the software stops responding intermittently, with an error in MFC42D.

- **TEC system**: The TEC system default status is **Closed**.

- **Export Registry File utility**: The Export Registry File utility saves the registry file under the same name as the version. When you uninstall the version, the registry file is also removed.

  Workaround: Save the registry file in drive C or on a separate disk, and not on the desktop.

Limitations

- **Lotem 200K**: *Kodak Lotem* 200K is not supported.
- **Flyoff detector**: During installation, when using Local3 Rev A, you must manually change the active state of the flyoff detector to **0**:

  In the registry, select **IO Objects > Local 3 > Detectors > Left (right) fly off activated** and change the **Detector Active State** parameter to **0**.
- **Drum speed test**: When running a drum speed test, to avoid drum deviation, you must not use a speed of less than 500 rpm.
- **MCU upgrade**: When upgrading from manual to automatic (MCU), you must open loader Local3 manually:

  In the registry, browse to **LOADER > Loader Local 3** and change the **Value Data parameter** from 0 to **1**.
- **MCU**: After loading a plate, the XY bar moves toward the plate to position x=700, directly over the paper/plate detector. This position can cause a false reading.

  Workaround: After installation, in the registry, locate **IO OBJECT\Loading System\Load Plate\From Drum Entry to Drum Stage** and change the **X Run Away From Plate on Drum** parameter from 700 to **900.**
- **Lotem 400 non-small with MCU**: When upgrading to version 1.61.351.012, set the **Detector Active State** parameter of the plate ramp according to the type of ramp detector you have:

  a. Check the type of ramp detector you have. There are two possibilities: magnetic or optic.

  b. Browse to **LOADER > Detectors > Plate Ramp Left HP Detector**, and set the **Detector Active State** parameter accordingly.

  - **Magnetic**: 1
  - **Optic**: 0

  c. Browse to **LOADER > Detectors > Plate Ramp Right HP Detector**, and set the **Detector Active State** parameter accordingly.
- **Xpose with UDRC**: You must set the communication with the UDRC (COM 6) manually. For instructions see "Error Messages Upon Startup for Lotem 400 Xpose with UDRC."

Installing Lotem Controller Version 1.61.351.012

This section describes how to install the distribution board required for this version of the software, and how to install the *Lotem* 400 Controller version 1.61.351.012 software.

Note: Back up the registry and database before installing version 1.61.351.012.

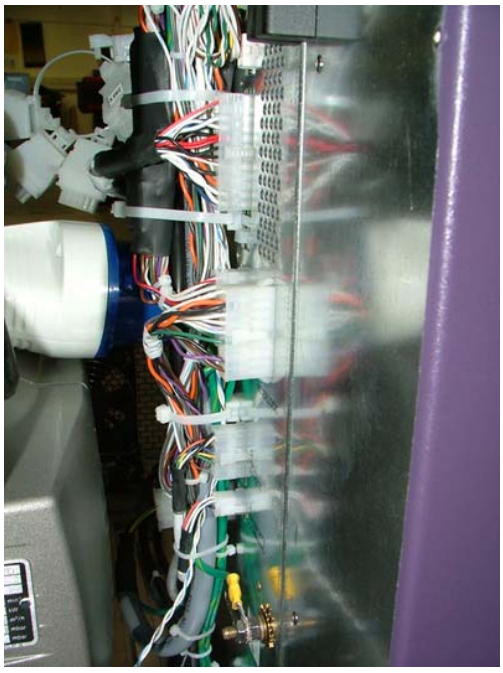
To install the distribution board:

1. In the *Lotem* 400 Controller software, open the rear door of the platesetter.
2. Quit the *Lotem* 400 Controller software, turn off the platesetter and disconnect the main power.
3. Open the left and right side doors of the platesetter.
4. Remove the back door.
5. Remove the two cross-head screws from the distribution box, and open the distribution box door.
6. Disconnect all *Molex* connectors and cable connections from the distribution board.



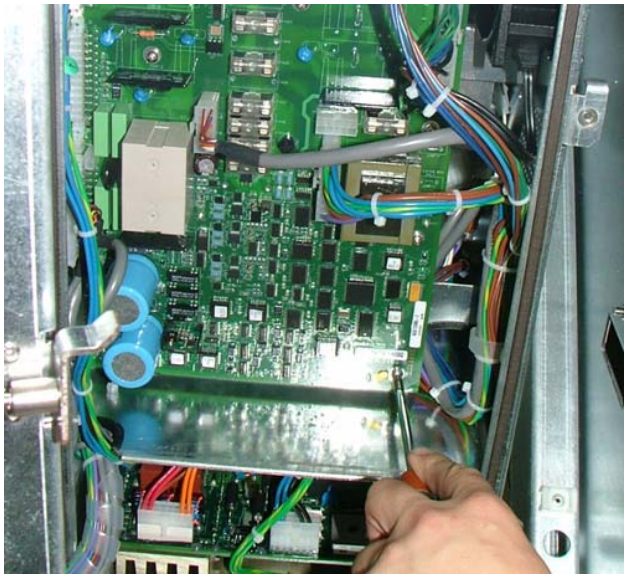
Connections to remove

7. Make sure to disconnect the cables from the side of the board.



Connections to remove

8. Remove the four cross-head screws, and remove the distribution board.



Cross-head screw location

To install the updated distribution board:

1. Insert distribution board number 503-00352A, and secure it with the four cross-head screws.
2. Connect all cables.
3. Close the distribution box door, and secure it with the two cross-head screws.

4. After replacing the distribution board, the distribution box part number is changed, and you must update the labels on the distribution box. Check the part number that appears on the distribution box and add the relevant label.

Current Distribution Box Number	New Distribution Box Label
500-00082	500-03674A
506E2D851B	500-03676A
506E2D185A	500-03678A

To install the software:

1. On the *Lotem* workstation, close all software and windows.
2. Start the *Microsoft Windows* operating system only (and not *Lotem* 400 Controller).
3. Insert the version CD in the CD-ROM drive.
4. Follow the instructions in the wizard. When the wizard installation is complete, the workstation restarts.
5. If your platesetter has a strobe 7 board, you must replace the .dll file, as follows:

   In Explorer, in the CD drive, double-click the **_Copy_Strobe7Card.bat** file.

   The Strobecard.dll file is automatically replaced, and the old **Strobecard.dll** file is automatically renamed **Strobecardold.dll**.
6. Restart the workstation.

To check that the version has been installed:

➢ In *Lotem* 400 Controller, select **Utilities > Machine Info**. The version should be 1.61.351.012.

To uninstall the version:

1. Quit the software.
2. Select **Start > Lotem400 > Uninstallation**.

Installation Notes

- After the new version is installed, make a new image CD for backup.
- If you experience edge failure, in the registry, under MACHINE, increase the **Plate On Drum Height Axis Absolute Position Error(mm)** parameter to **8–10**.
- If the plate does not reach the short pins in the punch, under Load Plate, adjust the **X Pre Extra To Short Pins (mm)** parameter.
- On *Kodak Magnus* 400 platesetters with *Xpo*, you may need to reselect the punch in all *Lotem* Xpose templates or press formats, and resave.