Kodak

Magnus 800 Controller

Controlled Release, Software Version 1.05.405.101

Release Notes

English

653-01391B-EN Rev A
Internal 739-00399B-EN Rev A

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Internal 739-00399B-EN Rev A

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Introduction

We are pleased to send you the latest controlled release of the Kodak® Magnus™ 800 Controller software, version 1.05.405.101.
This software was primarily released to coincide with the launch of the Kodak Magnus 800 S300 platesetter. Therefore, this release is focused towards achieving a successful integration between the Magnus 800 Controller software and the latest platesetter version, as opposed to resolving previously known issues.

Prerequisites

- Magnus 800 Controller software version 1.04.404 or later.
- Kodak Xpo™ 3.1.55

What Is in These Release Notes

The release notes include the following sections:

New Features on page 2—describes the new features in this software release.

Known Issues on page 3—provides a list of known issues that may be resolved in the next software release.

Issues Resolved on page 6—provides a list of issues resolved in this software release.

Supported Versions on page 7— lists the supported software versions of the DFE and the Magnus 800 Controller software firmware

Installing Magnus 800 Platesetter Software and Firmware on page 8—describes how to install the software and firmware.

Uninstalling Magnus 800 Controller Software on page 11—describes how to uninstall the software and firmware and revert back to the previous software version.

New Features

This section describes the new features incorporated into this software release.

- This software supports Magnus 800 S300 and S100 configurations .
- TH 1.7 heads for S and F speeds
  This software supports TH 1.7 heads for both S and F speed platesetters.
- Beta version of stand-alone diagnostics application
  This beta software includes a stand alone diagnostics application. See the TechPlanet procedure, *Magnus 800 platesetter diagnostic software*
  http://techplanet.creo.com/output/computer_to_plate/magnus800/content/Procs/Software/M8proc_diagnostics.htm
- Small plate size option
  This software supports small plate sizes whose minimum dimensions are 305 mm (12 in.) along the drum and 330 mm (13 in.) around the drum.

  Note: **The option for exposing small plates is only available on Magnus 800 platesetters series 300, and even then the option must be ordered separately.**
- Downgradable software
  The software can be downgraded to a previous version.
- Kodak rebranding
  The software and its installation screens have been rebranded in accordance with Kodak's latest rebranding guidelines.
- Variable Mainscan Resolution (VMR)
  The VMR option adds the following functionality to Magnus 800 platesetters.

  Note: **The VMR feature only works in conjunction with Kodak Prinergy® and Kodak Prinergy Evo:**

  - Changes the pixel resolution of the device around the drum circumference (mainscan)
  - Makes fine adjustments (+/- 3.2%) by stretching or shrinking the pixel size to fit minor variations of lenticular lens frequencies
  - Enables resolutions from 1200-4800 dpi and from 1270-5080 dpi

Known Issues

This section lists known issues, and if applicable their workaround resolutions. When an issue listed here is resolved, the solution is described in the Issues Resolved section of the release notes for the next version of the Magnus 800 Controller software.

Operator Related Known Issues

The following known issues relate to the operator's interaction with the Magnus 800 Controller software.

- Magnus 800 Controller software startup
  When the Magnus 800 Controller software starts up, it establishes a communication link to the platesetter's MSB and to the autoloader's MSB.
  A recovery message is generated if an MSB has not fully booted up before the software establishes a communication link.
  To resolve this issue, click **Continue**, as this enables the MSB enough time to boot up. To avoid the recovery message completely, turn on the Magnus 800 platesetter, and then wait for one minute before starting the Magnus 800 Controller software
- Cassette Fill button
  When prompted to fill a cassette tray, the operator must release the cassette tray from within a Magnus 800 Controller dialog box. Clicking the MCU control panel buttons will not release the cassette tray from the MCU.
- Autoloader recovery message
  When an autoloader-related recovery message appears, the operator must first resolve the recovery message before attempting to release a cassette from the single-cassette unit (SCU).
- Queue tab
  If a separation is aborted, the plate's status is incorrectly displayed on the **Queue** tab. The aborted plate's job name and separation incorrectly appear on the **Queue** tab's **Job Name** and **Separation** columns.
- Pop-up message is not generated
  When sending a loading request, or exposure request, that relates to a released cassette, a Magnus 800 Controller screen prompt appears. The operator must reinsert the cassette into the MCU and then click **OK** in the screen prompt. If the operator clicks **OK** first, the platesetter remains in Working mode.
- Rcon recovery translation
  Rcon recovery messages are only partially translated.
- Japanese display language
  In some of the Japanese menu titles, English words are interspersed with the Japanese text.
- Plate counter
  The plate counter can only be refreshed by restarting the Magnus 800 Controller software.
- The original plate margin size increases when a VMR file is sent for exposure.

- If the Prinergy/Brisque fails to send a plate for exposure, the plate is nevertheless loaded onto the drum.

Service Related Known Issues

The following known issues relate to a service engineer's interaction with Magnus 800 Controller. software

- Wrong MCU recovery message

  If you install the Magnus 800 Controller software 1.05 onto a Beta platesetter, the wrong recovery message is generated regarding an open MCU panel. Perform the following actions to resolve this issue:

  1. In the Registry, **amend** the value of the **Support Old Ver Cassette Locker** parameter to **1 (Magnus800\Software systems\Cassette system\MCU Parameters).**
  2. In the Registry, **delete** the **MCU feeder bottom panel open detector** parameter **(Magnus800\MultiCassette\Detectors\MCU feeder bottom panel open detector)**.
  3. Restart the Magnus 800 Controller software.

- Max VMR scale parameter is unavailable
- If the platesetter is turned off before quitting the Magnus 800 Controller software, a debug assertion window appears. To resolve this issue, always quit the software before turning off the platesetter.
- Diagnostics and Service Shell can both be opened and run simultaneously.
  To resolve this issue, never open or run Diagnostics and Service Shell together.
- When the unloading sequence has terminated, the **Unload Plate** button appears in the TPA dialog box.
- The default mouse speed for the Lenovo® computer is too fast.
  To resolve this issue, only use an optic mouse which has a USB connector.
- If the **Remove** option is selected in the installation wizard and you decide to cancel the operation, you will have to reinstall the Magnus 800 Controller software.
- If the software upgrade is prematurely terminated the **MagnusOldVer** folder disappears. To resolve this issue, endeavour not to cancel a software upgrade.
- If the main air pressure connector is disconnected, the main air pressure sensor indicator still displays 8.5 bar.
- Loading System Single Line Initialization Option
  The single-line initialization option in the Loading Systems dialog box does not function.
- Motor Speed Limit
  None of the motors have an upper speed limit.

- Test Plot Applet
  The following issues have been identified with the test plot applet (TPA).
  a. Recovery messages that appear in the Magnus 800 Controller software cannot be resolved in TPA.
  b. When TPA is handling an exposure, do not attempt to activate any process from within the Magnus 800 Controller software.
  c. When a plate is unloaded via the Magnus 800 Controller software, an incorrect pop-up message appears in TPA.
  d. When a drum-related recovery message is generated, TPA remains in unloading sequence.

  The following workarounds resolve synchronization issues related to TPA and the Magnus 800 Controller software.
  1. Resolve recovery messages from within the Magnus 800 Controller software, and then exit the Magnus 800 Controller software.
  2. On the **Applications** tab in Windows Task Manager, exit Service Shell.
  3. On the **Processes** tab in Windows Task Manager, select **DCAPIserver.exe**, and click **End Processes**.
  4. Start the Magnus 800 Controller software and make sure it reaches Ready status.
  5. Open Service Shell and continue working with TPA.
- Digital Front End and Test Plot Applet
  The digital front end (DFE) does not communicate with TPA. Therefore, avoid sending jobs from the DFE when running TPA.
- TEC vertical actuator valves
  The TEC vertical actuator left and right valves erroneously appear as objects in the hardware tree.
- Multi-cassette autoloader safety display (only applicable on beta platesetters)
  When you remove the multi-cassette autoloader's service panel, the **Safety** tab displays an incorrect Magnus 800 configuration.
- Multi-cassette autoloader doors and panels
  1. Open any MCU panel. The platesetter status displays Ready and a recovery message appears.
  2. Continue to open an autoloader door. The platesetter's status reverts to Attention, and an additional recovery message relating to the open door appears.
  3. Close the autoloader door. The status of the platesetter remains in Attention mode, a recovery message relating to the MCU safety switch appears, and all the buttons in the recovery message are available.

  To revert the platesetter's status from Attention to Ready, close all the autoloader doors and MCU panels.

- Manual plate request

  1. When all the cassette trays are located inside the MCU, open the MCU rear panel. The following message appears: `R4633: The MCU safety switch opened because one or more MCU doors or autoloader doors opened.`
  2. Send a separation for exposure, and select a plate that is located in one of the cassette trays. The platesetter's status changes to Attention mode, and the following message appears: `R6442: The loading process has been suspended. The MCU safety switch opened. Press Reset to load the plate manually.`

  If you click **Reset**, the expected plate request message fails to appear, and there is no further response generated by the Magnus 800 Controller software. To manually bypass the MCU, disable the MCU in preference tools, restart the Magnus 800 Controller software, and continue working.

Issues Resolved

This section lists issues that were resolved from the previous software release.

- Abort plate loading
  If a plate is on the drum, and the operator aborts loading a plate that is yet to reach the drum, the plate on the drum is no longer unloaded.
- Pop-up message
  If the operator aborts a job from the Kodak Brisque® software because the required plates are not in a cassette tray, a warning message and a pop-up message appear as expected. The pop-up message now disappears after the operator clicks one of the options.
- Trailing edge clamp (TEC) vertical valve
  If there is no plate on the drum, and the TEC vertical valve is activated, the obligatory warning message now appears.
- Repeated pressing on MCU cassette request button
  If the operator repeatedly clicks on the MCU cassette request button, the Magnus 800 Controller software now exits Working mode and there is no need to restart the software.
- Unloading process
  - ❒ After you have manually loaded a plate and you then request to unload the plate onto the unloading conveyor, the plate now stops on the unloading conveyor.
  - ❒ If there is no loading conveyor and you attempt to unload a plate from the drum station, the plate remains on the unloading platform. In addition the **Queue** tab now displays the correct information.

Supported Versions

DFE Type	Version	Update
Brisque	5.1.32	Build.01.FP
Kodak Prinergy®	3.1.0.4	
Kodak Prinergy Evo	3.2.6.0	
Kodak Xpo	3.1.55	

	Version
Service Shell	3.1.22
DCAPI Server	2.0.5.15
Boot code	1.18
Post code	1.08
MCE fmw	1.10.11
MCE LCA	2.36
TH1.7	2.01
TH2 fmw	1.07b
MSB platesetter firmware	SW MSB 1.1.0.39 SW BOOT 1.0.0.2 FPGA MSB 0.0.1.14 CPLD MSB 0.0.0.0
MSB autoloader firmware	SW MSB 1.1.0.39 SW BOOT 1.0.0.2 FPGA MSB 0.0.1.16 CPLD MSB 0.0.0.0

	Version
Image CD for Lenovo M55e	1.12
Image CD for IBM X206m	1.09

Installing Magnus 800 Platesetter Software and Firmware

Back up the Operational Parameters

1. If required, quit the Magnus 800 Controller software.
2. Open Service Shell.
3. Use Service Shell's Backup and Restore feature to back up the Magnus 800 platesetter operational parameters. See the TechPlanet procedure, *How to save and restore the Magnus 800 platesetter operational parameters* http://techplanet.creo.com/output/computer_to_plate/magnus800/content/Procs/Software/M8proc_BackupTMCE.htm.
4. Backup the TH 1.7 NVS parameters. See the TechPlanet procedure, *Backing up and restoring the TH 1.7 NVS parameters on a Magnus 800 platesetter* http://techplanet.creo.com/output/computer_to_plate/magnus800/content/Procs/software/M8_proc_restorenvs.htm.
5. Use the supplied **Output Division Backup and Restore Utility** and blank CDs to perform a complete ghost back-up of the Magnus 800 Controller software drive. For instructions, see TechPlanet http://techplanet.creo.com/output/computer_to_plate/magnus800/nav/downloads.htm#utilities.

Install the Magnus 800 Controller Software

1. Insert the **Kodak Magnus 800 Platesetter Controlled Release (CR1.05) Software Version** CD into the CD-ROM drive. The Welcome - Magnus800 Setup dialog box appears. Click **Next**.
2. Depending upon the number of times the software has previously been installed determines which dialog box appears next in the installation wizard. If this is not the first time the software has been installed, a dialog box appears offering the choice of either reinstalling, restoring, or removing the software. Select the appropriate check box and click **Next**. Select either the full installation option or the custom installation option, click **Next** and proceed to step 3.

   Note: First clean installation: If you are installing the software for the first time, a dialog box appears asking you to select either Full Installation (default) or Custom. Make sure the Full Installation checkbox is selected, click Next, and then proceed to step 3.
3. In the Device Configuration dialog box, enter the required information and click **Next**.
4. In the Enter Device Information dialog box, enter the required information and click **Next**.
5. Make sure the setup information is correct and click **Next**. The installation process begins. When the installation process has finished a window appears. Click **Finish** and remove the CD from the CD-ROM drive.

Amend Registry Parameters

If the platesetter is to be used in conjunction with a single-cassette unit, locate and if required, amend the **Cassette shutter open/close detector number** (Magnus800\Autoloader\Single cassette interface\MSB IOObjects\Detectors\) according to the single-cassette unit's (SCU) orientation.

Registry parameter	Right orientated SCU	Left orientated SCU
Cassette shutter open detector	Amend detector number to 13	Amend detector number to 12
Cassette shutter close detector	Amend detector number to 12	Amend detector number to 13

Install Service Shell Client

1. Locate the **Installers** folder (**C:\ServiceShell\Installers**) and double-click **ServiceShell-Client-CTP.exe**.
2. Follow the on-screen installation procedures. After Service Shell Client has been installed, do not restart the Magnus 800 Controller software computer.

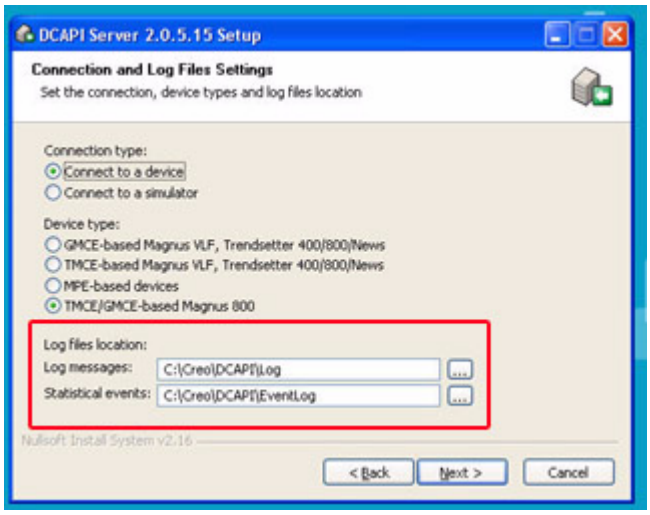
Install Service Shell Host

1. Locate the **Installers** folder (**C:\ServiceShell\Installers)** and double-click **ServiceShell-Host-CTP.exe**.
2. Follow the on-screen installation procedures. After Service Shell Host has been installed, restart the Magnus 800 Controller software computer.
3. Configure the Service Shell Host as described in the on-screen Service Host Configuration wizard.

   Note: In the Service Host - MCE System Configuration dialog box, make sure you select the Ensure Connection option. This ensures the COM2 is enabled for diagnostic purposes.
4. Restart the Magnus 800 Controller software computer.

Install Device Control Application Programming Interface (DCAPI)

1. Locate the **Installers** folder (**C:\ServiceShell\Installers**), and double-click **Setup.exe**.
2. Follow the on-screen installation procedures. When the Connection and Log Files Settings dialog box appears, assign a location where the logged files will be stored.



3. Check, and if required, update the following Log files:
   - Log messages: **C:\Creo\DCAPI\Log**
   - Statistical events: **C:\Creo\DCAPI\EventLog**

Install and Upgrade TMCE Firmware and Thermal Head Versions

The latest firmware is located in the **TMCE** folder (**C:\ServiceShell\TMCE**). This firmware must be installed onto the TMCE, TH 1.7, and TH 2.

Important: Ignore warnings and error messages generated during the firmware installation.

1. To install the firmware onto the TMCE, TH 1.7, and TH 2, see the TechPlanet procedure *How to load firmware onto the TH2 and TMCE board* http://techplanet.creo.com/output/computer_to_plate/magnus800/content/Procs/Software/M8proc_LoadTMCEfw.htm.

   Note: The TH 1.7 firmware is an .exo file.

2. Install the following components, (as described in the section on page 9), and then proceed to step 4:
   - Service Shell Host and Client
   - Device Control Application Programming Interface (DCAPI)
   - Platesetter and autoloader MSB firmware

Install Platesetter and Autoloader MSB Firmware

The Magnus 800 platesetter and the Magnus 800 autoloader each contain one master system board (MSB). This procedure describes how to manually install the upgraded MSB embedded software on the platesetter and autoloader via the host monitor.

1. Quit the Magnus 800 Controller software.
2. Shut down the platesetter.

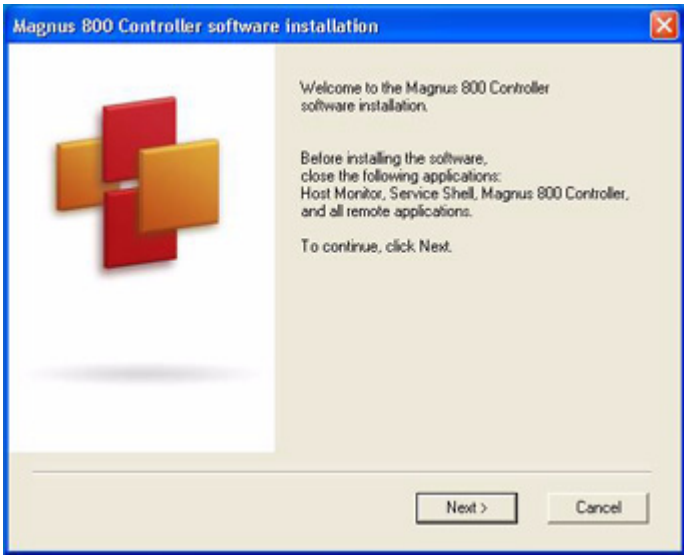
3. Start the **Host Monitor Application** (**C:\Magnus\Util\HostMonitor\Debug\HostMonitor.exe**).
4. Click **Run Script**, and then locate the **HostMonitor** folder (**C:\Magnus\Util\HostMonitor**).
5. To install the platesetter or autoloader MSB firmware, run the associated platesetter or autoloader script:
   Within 40 seconds of running a script, turn on the platesetter.
   - Platesetter script: **PlateSetterMsbFullDownloadNew_C.txt**.
   - Autoloader script: **AutoloaderMsbFullDownloadNew_C.txt**.

   Important: If you fail to turn on the platesetter within the allocatted 40 seconds, repeat steps 1-5 inclusive.
6. Wait until the loading process has been completed. If the loading process is successful, the following message is generated: *The downloading process is completed*.
   If the loading process fails, restart the **Host Monitor Application**, and repeat the loading procedure from step 1.
7. To install the firmware on the second MSB, repeat steps 2-6.
8. Turn off and then turn on the platesetter.

Uninstalling Magnus 800 Controller Software

This section describes how to uninstall the latest Magnus 800 Controller software, and how to downgrade the software to the previous version.
Before you begin this procedure, make sure you have a valid **Magnus 800 Controller V1.05.405.101** CD, **BART**, and a ghost image of the disk.

1. Install the **Kodak Magnus 800 Platesetter Controlled Release (CR1.05) Software Version** CD into the CD-ROM drive. Click **Next** when the Welcome screen appears.



2. The next screen in the sequence enables you to either remove (uninstall) Magnus 800 Controller software from the computer or downgrade the software to the previous version.



   - Select **Restore** to downgrade the software to the previous version.
   - Select **Remove** to remove the installed software version from the computer. The software will be removed but the **OldVer** folder will be retained.

3. Click **Next**. Depending on the option selected, the software is either removed or downgraded.
   If you experience any problems, restore the entire disk from the ghost back (created before upgrading the software).