Kodak

Magnus 800 Platesetter Controlled Release
Software Version 1.04

Release Notes
English

653-01342A-EN Rev C
Internal 739-00349A-EN Rev C

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Internal 739-00349A-EN Rev C

Revised May 2007

Introduction

We are pleased to send you the latest revision of the Kodak® Magnus™ 800 platesetter controlled release 1.04.404.059 software.
The release notes highlight the changes and improvements incorporated into Magnus 800 platesetter controlled release 1.04.404.059 software.
This software version supports all Magnus 800 configurations (semi-automatic, single-cassette autoloader, and multi-cassette autoloader). Magnus 800 Controller version 1.02.402 or later must be installed before you can install Magnus 800 platesetter controlled release 1.04.404.059 software.

Prerequisites

FCO 512-00374A: Improving the Magnus 800 MCU user door.
See TechPlanet (http://techplanet.creo.com/AgileContent/Extranet/719-00717A-RevD98149687.pdf).

What Is in These Release Notes

The release notes include the following sections:

About This Software Release on page 2—provides a brief overview of this software release

New Features on page 3—describes the new features in this software release.

Known Issues on page 7—provides a list of known issues that will be resolved in the next software release

Supported Versions on page 11— lists the supported software versions of the DFE and the Magnus 800 Controller firmware

Installing Magnus 800 Platesetter Software and Firmware on page 12—describes how to install the software and firmware

Uninstalling Magnus 800 Controller on page 18—describes how to uninstall the software and firmware and revert back to the previous software version

About This Software Release

This section describes the enhancements made to the software code in Magnus 800 Platesetter Controlled Release software version 1.04.404.059.

Loading and Unloading Software Module

The software code pertaining to the loading and unloading software module has been enhanced and improved since the previous version of Magnus 800 Controller. The improved software code does not change the functionality of the platesetter, but instead enhances the synchronicity between the six plate stations and the manner in which plates are managed throughout the loading and unloading sequence.

Improved Stability

The software code in this version enhances Magnus 800 Controller's stability and reduces the frequency of software system failures.

Elimination of Previous Known Problems

The improved and enhanced software code renders all previous known problems obsolete.

New Features

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

UDRC Detector Support

The status of the UDRC filter is now displayed in Magnus 800 Controller.
When the UDRC particulate filter is almost full, Magnus 800 Controller generates the following warning message: `The particulate filter is almost full. Please ensure a replacement filter is on hand.`

Platesetter to Processor Compatibility

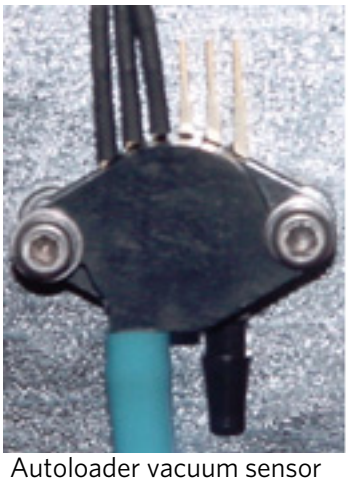
A new interface has been implemented between both the Kodak G-series and Mercury processors and the Magnus 800 platesetter. The Magnus 800 platesetter will not release a plate to a Kodak G-series or Mercury processor when the processor is off, busy, or experiencing problems.

Analog Sensors

Five additional analog sensors have been installed onto the Magnus 800.
You can view the sensors' readings in either the Hardware Tree or the **Log** file.

Name of Sensor	Function	Tolerance Range	Accuracy +/-	Generates Recovery Message
Autoloader humidity sensor	When accessed, this sensor displays the humidity at the customer site.	36% to 66%	2.5%	No
Autoloader vacuum level sensor	Verifies that the vacuum on the autoloader falls within the tolerated range.	0 bar to 1 bar (0 psi to 14.5 psi)		Yes
Autoloader temperature sensor	When accessed, this sensor displays the temperature at the customer site.	18°C to 33°C (64°F to 91°F)	0.5°C.	No
TEC pressure sensor	When accessed, this sensor displays the TEC low-pressure normal range.	3 bar to 4 bar (44 psi to 58 psi)	0.1 bar	No
Main air pressure sensor	Verifies that the normal, working air pressure in the platesetter falls within the tolerated range.	4.5 bar to 7.2 bar (65 psi to 104 psi)	0.18 bar	Yes

Important: If you encounter any air-pressure-related recovery messages after installing this software, make sure the air tubes are correctly connected both on the platesetter and on the autoloader.
If required, reverse the platesetter pressure sensor, otherwise the air tube will not fit between the sensor and the chassis and it could cause the sensor to break.



Autoloader vacuum sensor

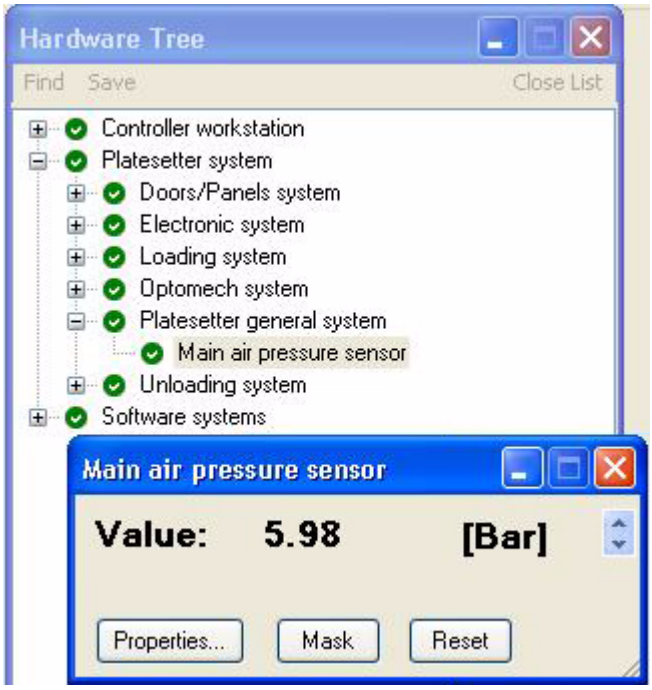


Platesetter pressure sensors

After performing an upgrade, the analog sensors may have to be adjusted, as described below:

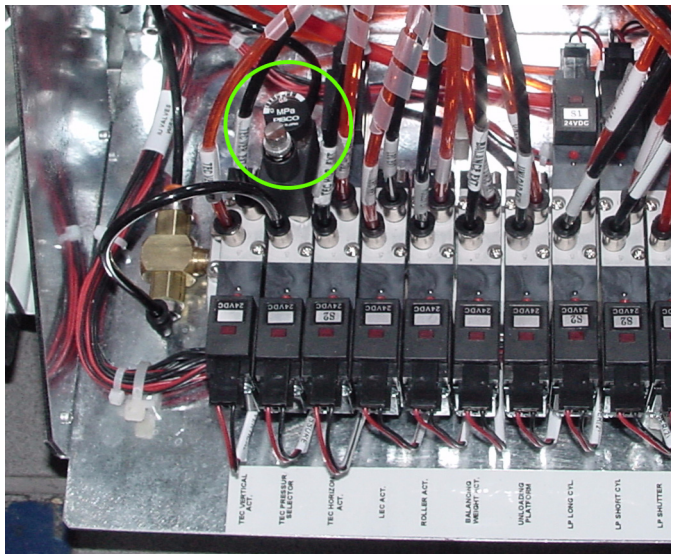
Main Air Pressure Sensor

Adjust the air filter valve, located on the wall-mounted filtration unit, until the air pressure reaches 6 bar. Verify the air pressure bar in the Hardware Tree's Main air pressure sensor window.

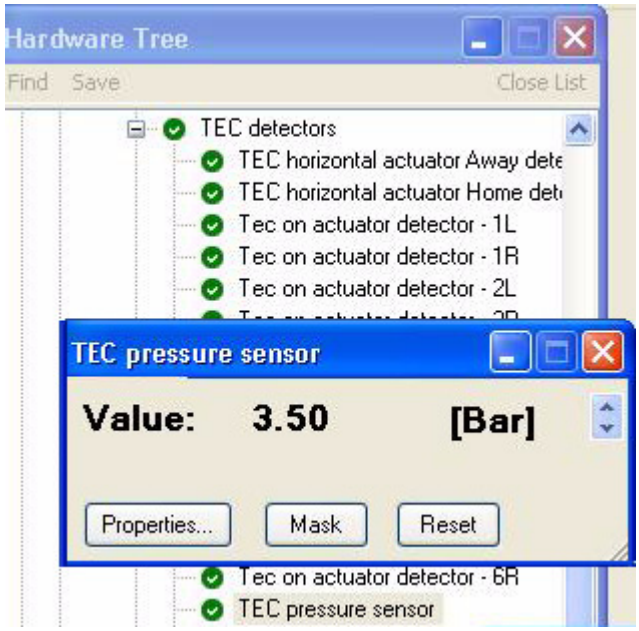


TEC Pressure Sensor

Adjust the TEC pressure sensor by rotating the dial located on the platesetter's manifold.

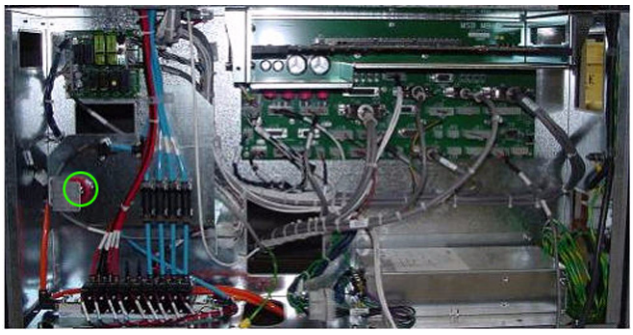


Verify the value of the TEC pressure sensor in the Hardware Tree's TEC pressure sensor window.

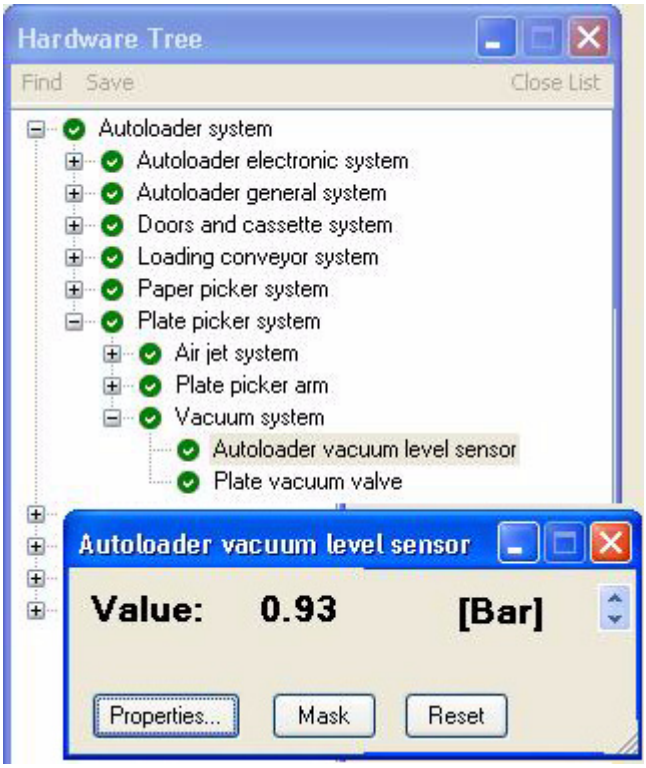


Autoloader Vacuum Level Sensor

Adjust the autoloader vacuum level pressure sensor by rotating the dial located in the autoloader's E-box.



Verify the value of the autoloader vacuum level sensor in the Hardware Tree's TEC Autoloader vacuum level sensor window.



Autoloader Humidity and Temperature Sensors

These two sensors are located under the autoloader general system.

Files Collector Utility

The Files Collector is a utility that collects log files and registry paths from a Kodak product and sends them to a Kodak FTP server. This data should ideally be sent to the server immediately after a problem occurs. The data collected is used for troubleshooting the device when an escalation is required.
On TechPlanet, go to http://techplanet.creo.com/output/computer_to_plate/magnus800/content/Procs/Software/M8proc_FilesUtility.htm.

Known Issues

This section lists known issues in Magnus 800 platesetter controlled release 1.04.404.059. When an issue listed here is resolved, the solution is described in the Problems Fixed 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 Magnus 800 Controller.

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 etstablishes a communication link. Click **Continue** to resolve the issue as by doing so, it 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 release 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.

Repeated Pressing on MCU Control Panel

When releasing a cassette from the MCU, the operator must press only once on an MCU cassette request button. If the MCU cassette request button is pressed multiple times, Magnus 800 Controller fails to exit Working mode and the software must be restarted.

Abort Plate Loading

If a plate is on the drum, and the operator aborts the loading of a plate that is yet to reach the drum, the plate on the drum is erroneously 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 offers three option buttons: **Cancel**, **Load Manually**, or **Fill Cassette**. The pop-up message should disappear after the operator clicks one of the options, but instead it remains open.

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

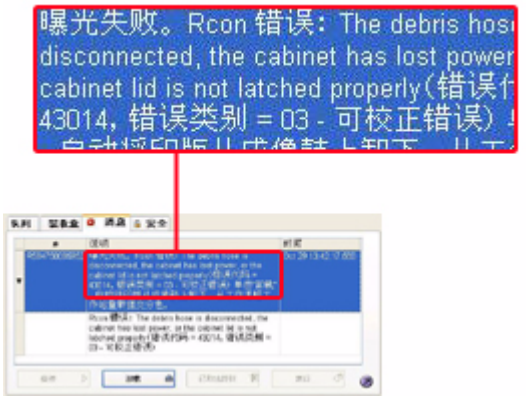
If a separation is aborted, the plate's status is incorrectly displayed on the **Queue** tab. The aborted plate's job name and separation incorrectly appear on the **Queue** tab's **Job Name** and **Separation** columns.

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.

Service Engineer-Related Known Issues

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

Test Plot Applet

The following problems have been identified with the test plot applet (TPA).

- Recovery messages that appear in Magnus 800 Controller cannot be resolved in TPA.
- When TPA is handling an exposure, do not attempt to activate any process from within Magnus 800 Controller.
- When a plate is unloaded via Magnus 800 Controller, a wrong pop-up message appears in TPA.
- When a drum-related recovery message is generated, TPA remains in unloading sequence.

Workaround: The following workaround resolves the problems described above.

1. Resolve the recovery message from within Magnus 800 Controller, and then exit Magnus 800 Controller.
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 Magnus 800 Controller 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, do not send jobs from the DFE when running TPA.

Trailing Edge Clamp Vertical Valve

If there is no plate on the drum, and the trailing edge clamp (TEC) vertical valve is activated, the obligatory warning message does not appear.

Motor Speed Limit

None of the motors have an upper speed limit.

Loading System Single Line Initialization Option

The single-line initialization option in the Loading Systems dialog box does not function.

TEC Vertical Actuator Valves

The TEC vertical actuator left and right valves erroneously appear as objects in the hardware tree.

Unloading Process

- After you have annually loaded a plate and you then request to unload the plate onto the unloading conveyor, the plate exits the unloading conveyor, instead of stopping on the conveyor.
- Only applicable if there is no unloading conveyor:
  If you attempt to unload a plate from the drum station to the unloading platform station the plate exits the platesetter. In addition the **Queue** tab displays the second plate as being located in the autoloader, when it is in fact loaded onto the drum.

Multi-Cassette Autoloader Safety Display

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 an 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 about the open door appears.
3. Close the autoloader door. The status of the platesetter remains in Attention mode, a recovery message about 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 Magnus 800 Controller. To manually bypass the MCU, disable the MCU in preference tools, restart Magnus 800 Controller, and continue working.

Supported Versions

DFE Type	Version	Update
Brisque	5.1.32	FP_UPD + patch (P33)
Kodak Prinergy®	3.1.0.3c	
Kodak Prinergy Evo	3.1.6.5	
Kodak Xpo™	TFE3.00.79	

	Version
Service Shell	3.1.19
DCAPI Server	2.0.5.15
Boot code	1.18
Post code	1.08
MCE fmw	1.08.01
MCE LCA	2.36
TH2 fmw	1.07b

	Version
Image CD	1.09

Installing Magnus 800 Platesetter Software and Firmware

Back up the Operational Parameters

1. If required, quit Magnus 800 Controller.
2. Open Service Shell.
3. Use Service Shells' 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. Manually copy the Magnus 800 Controller database and the customer's CFL to the **BART** folder.
   - Copy the folder C:\Magnus\Magnus800\Database**MediaDataBase** to C:\Creo\BART\<last backup set>**Database**
   - Copy the folder C:\Magnus\Magnus800\Database**PunchDataBase** to C:\Creo\BART\<last backup set>**Database**
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 drive. For instructions, go to http://techplanet.creo.com/output/computer_to_plate/magnus800/nav/downloads.htm#utilities.

Install Magnus 800 Controller

1. Insert the Kodak Magnus 800 Platesetter Controlled Release (CR1.04) Software Version CD into the CD-ROM drive. The Welcome - Magnus 800 Setup dialog box appears.
2. Click **Next**. The Setup Type dialog box appears.
3. Select the **Reinstall** check box, and click **Next**. The Device Configuration dialog box appears.

4. Select the required device configuration, including the **Automation** option, the **Punch** option, the **Unloading Conveyor Type**, and the **Connectivity** option. Click **Next**. The Setup dialog box appears.

   Important: If the company name and device serial numbers boxes are empty, perform the following actions. (Otherwise skip to step 5.)

   a Type the customer's name in the **Company Name** box.

   b On the panel near to the circuit breakers, check the label depicting the device serial number. The serial number format is: M800XX. Type the serial number in the **Platesetter Serial Number** box.

   c On the panel near to the autoloader's circuit breakers, check the label depicting the autoloader's serial number. The serial number format is: M8A00XX. If applicable, type the serial number in the **Autoloader Serial Number** box.

   d On the panel near to the circuit breakers, check the label depicting the MCU serial number. The serial number format is: M8M00XX. If applicable, type the serial number in the **MCU Serial Number** box.

5. If the company name and device serial number boxes have already been completed, click **Next**. The setup status progress bar appears.

6. When the installation is complete, click **Finish**, and remove the CD from the CD-ROM drive.

Update Expose Timeout Parameters

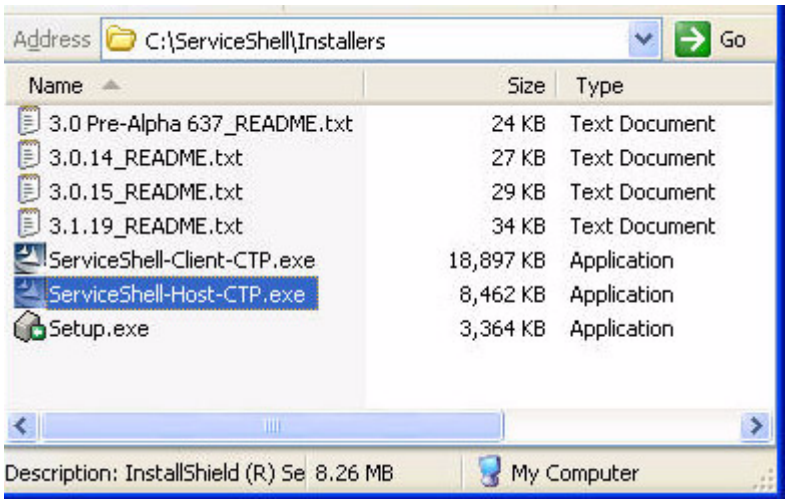
Open Regedit and update the following parameters:

HKEY_LOCAL_MACHINE\SOFTWARE\Kodak\Magnus\Software systems\Device system\Expose\Expose Time Outs

Expose Time Out (sec)	2400
General Req Time Out (sec)	600
Hoste Server Receive Message Time Out (sec)	600
Post Expose Time Out (sec)	600
Prepare Expose Time Out (sec)	2400
Wait For Start Expose Time Out (sec)	900

Install Service Shell Host

1. Locate the **Installers** folder (**C:\ServiceShell\Installers)** and double-click **ServiceShell-Host-CTP.exe**.



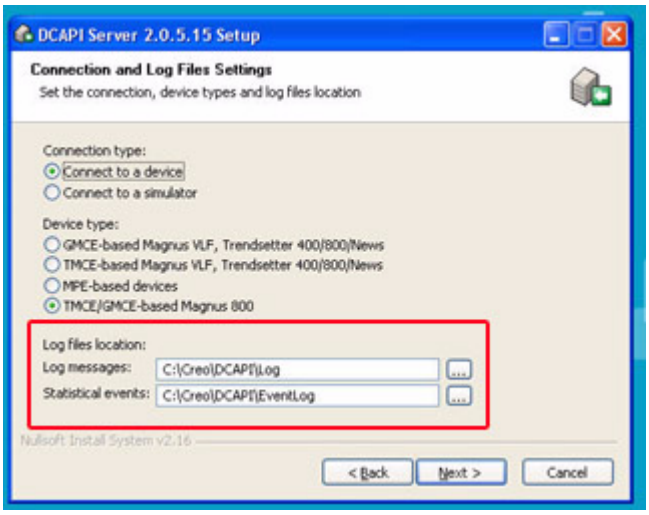
2. Follow the on-screen installation procedures. After Service Shell Host has been installed, do not restart the Magnus 800 Controller computer.

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, restart the Magnus 800 Controller 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 File 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 Platesetter and Autoloader MSB Firmware

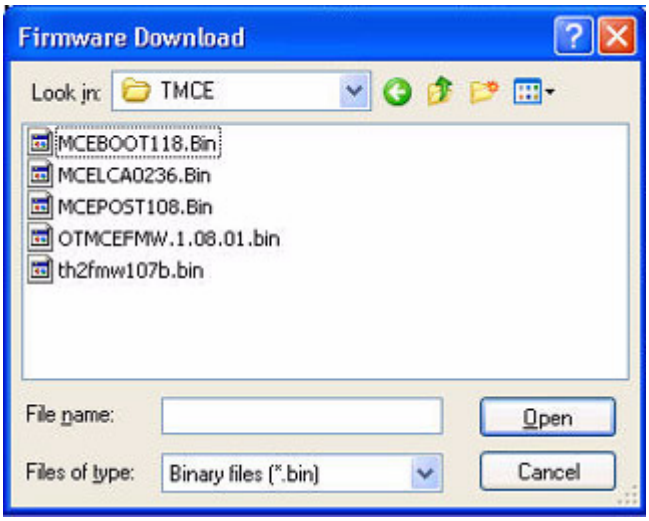
The Magnus 800 platesetter and the Magnus 800 autoloader each contain one master system board (MSB). This procedure describes how to manually install the upgraded MSB embedded software on the platesetter and autoloader via the host monitor.

1. Quit 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 scrip:
   Within 40 seconds of running a script, turn on the platesetter.
   - Platesetter script: **PlateSetterMsbFullDownloadNew_C.txt** (v1.0.1.0).
   - Autoloader script: **AutoloaderMsbFullDownloadNew_C.txt** (v1.0.1.0).

   Important: If you fail to turn on the platesetter within the allotted 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.

Install and Update TMCE Firmware

The latest firmware is located in the **TMCE** folder (**C:\ServiceShell\TMCE**).



This firmware must be installed onto the TMCE and TH2.

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

1. To install the firmware, 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).
2. After installing the TMCE firmware, update the following four parameters otherwise edge detection errors will be generated):
   - `MAGNUS >> set gc pinloc 1` **312**
   - `MAGNUS >> set gc pinloc 2` **508**
   - `MAGNUS >> set gc pinloc 3` **744**
   - `MAGNUS >> set gc pinloc 4` **940**
3. If you have relocated the registration pins on the drum, update the following parameters:
   - `MAGNUS >> set gc pinloc 1` **352**
   - `MAGNUS >> set gc pinloc 2` **548**
   - `MAGNUS >> set gc pinloc 3` **704**
   - `MAGNUS >> set gc pinloc 4` **900**

4. Enable/disable the carriage motor fan sensor.

   Note: This is only applicable to Magnus 800 platesetters with serial numbers M80022 and lower. The carriage motor fan has to be disabled due to incompatible hardware.

   - To disable the carriage motor fan sensor, type:
     `MAGNUS>> scan cm_fanfault bon`.
   - To enable the carriage motor fan sensor, type:
     `MAGNUS>> scan cm_fanfault boff`.

   Note: The CFL automatically configures the platesetter model and speed. There is no further need for recording the head type (`OTMCE>> config`).

Uninstalling Magnus 800 Controller

This section describes how to uninstall the latest Magnus 800 platesetter software, and how to downgrade the system to the previous version.
Before you begin this procedure, make sure you have a valid **Magnus 800 Controller V1.02.402.004** CD, **BART**, and a Ghost image of the disk.

1. Delete the folder **C:\Magnus**.
2. Install the previous Magnus 800 Controller software version 1.02.402 from the CD.
3. Verify that all the **Install Shield** boxes are correct (customer name, serial numbers, and configuration).
4. Install the previous Service Shell Host and Client versions from **C:\ServiceShell\Installers**
5. Install the previous DCAPI version from **C:\ServiceShell\Installers\Setup.exe**.
6. Restart the Magnus 800 Controller computer.
7. Open **Service Shell Client**:
   - Using BART, restore the Magnus 800 registry and CFL database from the backup set of version 1.02.402.004.
   - Downgrade the TMCE firmware version with **C:\ServiceShell\TMCE\OTMCEFMW.1.00.24.bin**
   - Downgrade the TH2 firmware version with **C:\ServiceShell\TMCE\th2fmw104d.bin**
8. Install the MSB firmware as described in the TechPlanet procedure *Upgrading the master system boards' embedded software on Magnus 800 Controller software version 1.02* (http://techplanet.creo.com/output/computer_to_plate/magnus800/content/software/M8_proc_UpgradeMSB.htm).
9. Restart the platesetter and the Magnus 800 Controller computer.
10. Install Magnus 800 Controller and wait until the platesetter's status is Ready.

If you experience any problems, restore the entire disk from the ghost back up that you created before upgrading the system.