Kodak

Magnus 400 Controller

Software
Version 1.02.392

Release Notes and Installation Guide
English

739-00328A-EN Rev B

Kodak

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Introduction

Welcome to the Kodak® Magnus™ 400 Controller software version 1.02.392 release notes. These release notes provide late-breaking information about the latest release of the Magnus 400 Controller software. Where appropriate, they refer you to the Magnus 400 Controller help for more information. Changes made after the Magnus 400 Controller software version 1.01.391.003 was published are described in detail in these release notes.

See also: Magnus 400 Controller Version 1.01.391.003 to 1.02.392 Upgrade Procedure.

Prerequisites:

- Either Update 2 or Update 3 for Magnus 400 Controller 1.01.391.003:
  - For platesetters with a thermal 2 head (TH2)—Update 2 CD (651-00444B)
  - For platesetters with a laser diode array (LDA) head—either Update 2 CD or Update 3 CD (651-00565A)
- For MCU configurations—FCO 512-00364A Spring Spoiler for Magnus 400 (719-00698A)
- For platesetters with Lotem Interface (LIF) Revision C (without Turbo Screening Processor [TSP])—the Kodak Xpo™ version 3.1.42 software

  Note: For more information about Xpo software, see the Xpo 3.1.42 for Magnus 400 / Lotem 400 Xpose Release Notes.
- Magnus 400 Accessories CD (651-00628A)

  Note: This prerequisite is for platesetters in the field that do not have the image disk with version 1.14 of the operating system (part number 651-00500B).

  To verify the operating system version on your platesetter, select **Start > Run** and type `cd_ver`. The following information should appear:
  `image cd Version: VER 1.14 DATA 22/08/2006`

  The Magnus 400 Accessories CD is included in FCO kit for the version 392 software.

  For platesetters on which you want to install the Magnus 400 Controller 1.02.392 software, you must first install the files on the Magnus 400 Accessories CD.

What Is in These Release Notes

The release notes include the following sections:

Enhancements describes improvements that were made to existing features.

Problems Fixed lists problems in the previous release of the Magnus 400 Controller software that are now resolved.

Known Problems and Limitations lists problems that are not yet resolved, as well as problems that cannot be fixed due to software constraints.

Configuring the UDRC in the Registry describes how to configure the Universal Debris Removal Cabinet Base configuration Particulate filter only (UDRC BP) in the registry.

Installing the Magnus 400 Controller Software describes how to install the Magnus 400 Controller 1.02.392 software. It also provides tips on how to deal with typical situations or problems that you may encounter.

Enhancements

This section lists features (software and hardware) that were improved in this release of the Magnus 400 Controller software. Features that were modified as a result of a problem in the software are described in *Problems Fixed* on page 11.

Software

- Smart Edge Detection (SmartED) board
- Plate loading sequence and loading scripts
- Watch dog for the Lotem Master Control Electronics (LMCE) and Turbo Master Control Electronics (TMCE) boards
- UDRC BP
- Distribution board retry communication
- Firmware changed
- Paper bin open
- Punch centering
- Magnus 200S and 200F
- 1-bit TIFF
- Files Collector
- Xpo calibration tool
- Registry files located in Kodak folder

Smart Edge Detection Board

In version 1.02.392.021, the SmartED board has embedded firmware and supports SmartED board Revision B (part number 503-00397A) only. Communication is established through the **COM6** port. The previous Revision A board supported communication through the COM1 port only.

- Access the Firmware auto-loading mechanism from the Smart Plate Edge Card dialog box.

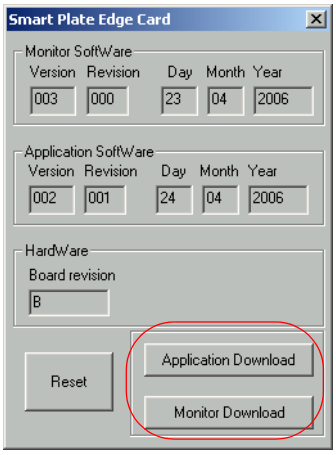


Figure 1: Loading firmware

(Optional) To load the firmware, click either **Application Download** or **Monitor Download**. When the `Perform the monitor loading?` message appears, click **Yes**.

- SmartED supports diagnostics

Universal Debris Removal Cabinet (UDRC) BP

During operation, messages appear regarding the UDRC BP status. These messages alert the operator to the current status of the UDRC—for example, when the filter is full or if the suction is blocked.

Loading System

- The loading sequence script has been improved to unify the handling of different types of media thicknesses.
- The minimum and maximum range values of each parameter appear in tooltips.

  This parameter is restricted to default values. Only tolerance values that are within the range of the existing default values are valid; otherwise, an error message appears.

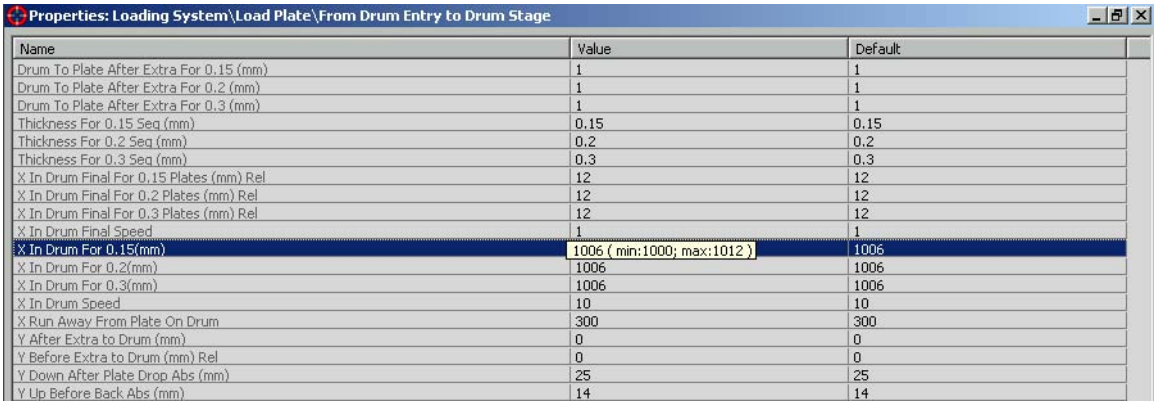


Figure 2: Entering minimum and maximum tolerances

Paper Bin

A new option has been added that enables you to leave the paper bin bottom cover open during platesetter operation, which you remove with 4 screws. This option enables the slip sheets to fall freely without using the paper detector.

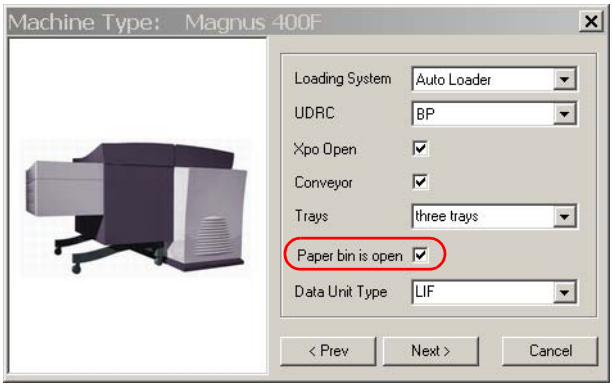


Figure 3: Selecting the paper bin is open check box

When configuring the platesetter, you must decide whether to keep the paper bin bottom cover open or closed. After installation, if you want to change the configuration of the paper bin, change the setting for:
Loading System\Paper Bin is open [Yes=1,No=0].

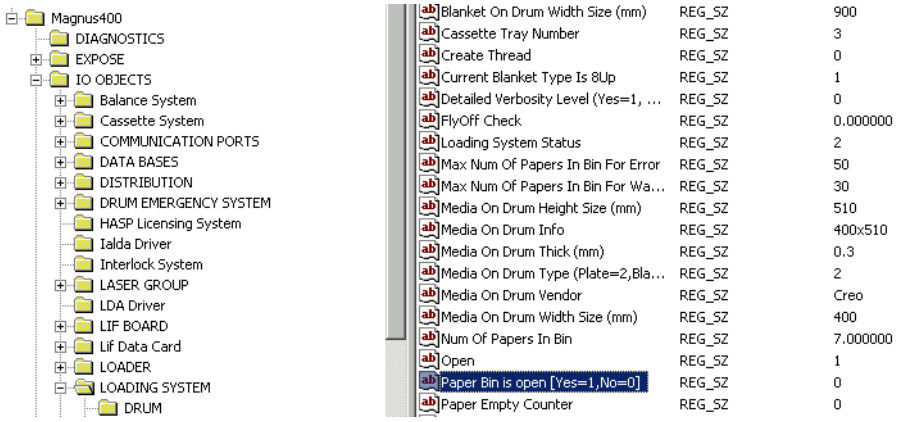


Figure 4: Changing the paper bin configuration

Magnus 200S and Magnus 200F Support

The Magnus 400 Controller 1.02.392 software supports both the Magnus 200S platesetter and the Magnus 200F platesetter.

Watchdog for LDA and TH2 Heads

Watch dog support prevents hardware damage to the platesetter by stopping platesetter operation (drum or carriage) when the Magnus 400 Controller software stops responding.

To locate the Watchdog parameter:

- In Regedit, go to **IO/RCON SYSTEM/CARD/Rcon card/Rcon Watchdog heartbeat (sec)**. The default value is 20.

To disable the Rcon Watchdog heartbeat (sec) parameter:

- Change the default parameter from 20 to **0**.

1-bit TIFF

Note: For platesetters with an LDA head only.

A new parameter, **Data Unit Type (TSP=0, LIF=1)** has been added to the registry. It supports LIF2 data transfer without TSP intervention.

Note: If you move from TSP to LIF2 Rev C (part number 503-00022C), you can change the parameter value in the Machine Properties window. After changing the value, you must reconfigure the Kodak Xpo software for LIF.

Moving From the Data Path From TSP to LIF

1. Remove the TSP board and data cable.
2. Insert the LIF Revision C board.
3. Go to Regedit and change the Machine/Data Unit Type (TSP=0 LIF=1) parameter from 0 to **1**.
4. Restart the Magnus 400 Controller software.
5. Perform reconfig from the Xpo software. At the end of the configuration process, on the screenboard dialog box, you will see **LIF2 Data Path**.

Files Collector

The Files Collector is a customer utility that collects the database and registry files from a Kodak machine and sends them to a Kodak FTP server. The Files Collector should be used immediately after a problem occurs.

The Files Collector utility is included on the Magnus 400 Controller 1.02.392 software CD.

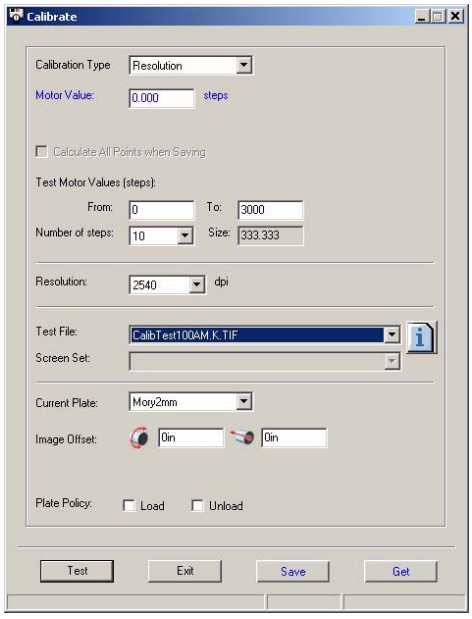
For instructions on how to use this utility, see the Files Collector 2.0 User Guide.

Xpo Calibration Tool

The Xpo 3.1.42 software supports the LIF data board, in addition to TSP support. Using the LIF data board, you can calibrate .TIF files directly from within the Xpo software. Line work (LW) files are still calibrated using TSP on which you must apply a screen set.

To access the Xpo calibration tool:

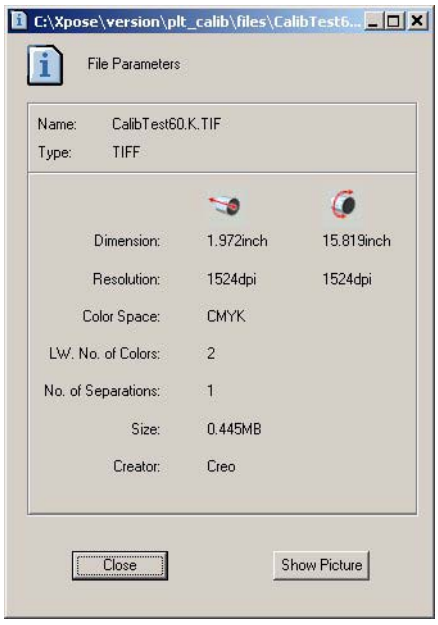
➢ From the Xpo palette, select **Tools > Calibrate**.



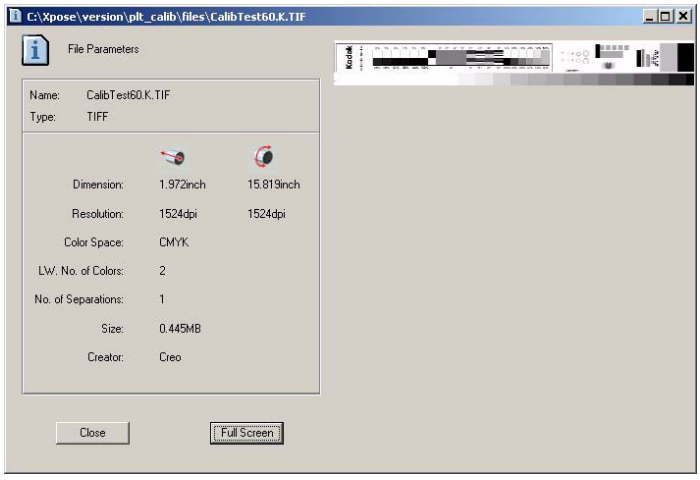
To calibrate a test file:

1. From the **Calibration Type** list, select the type of calibration that you want to perform.
2. From the **Test File** list, select the .TIF file that you want to calibrate. A list of files is displayed, according to the resolution that you select.

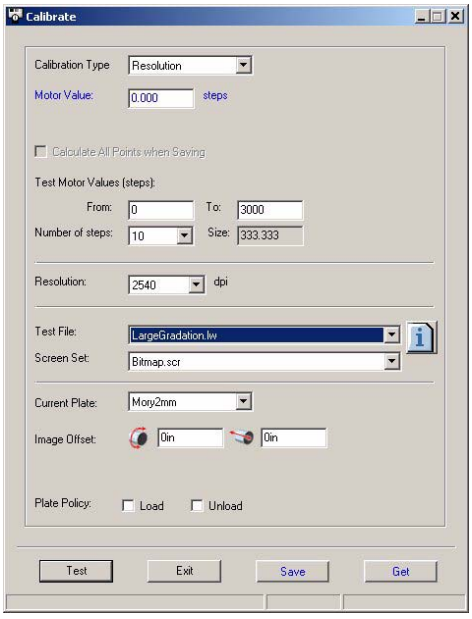
   a. To view information about the selected file, click .



   b. To view a picture of the file, click **Show Picture**.

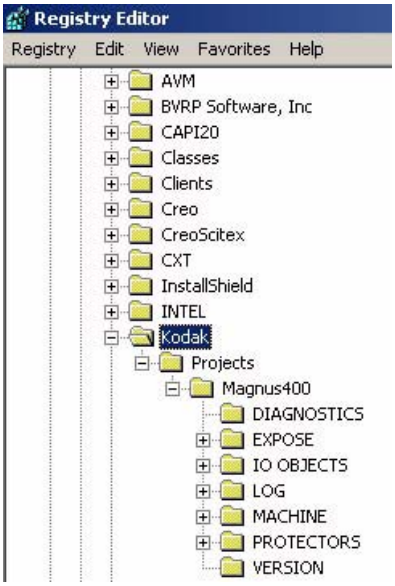


3. If your platesetter is using a TSP data board and you select an .lw file to calibrate, you must select a compatible screen set on which to run the test file.



Kodak Folder

The registry files are now located under the Kodak folder.



Hardware

The following improvements have been made to the hardware for the Magnus 400 Controller 1.02.392 software:

- The short-pin guides were redesigned and are now level to the punch-entry height.
- Two microswitches were added to detect when a plate is near to the short pins.
- A bracket was added on the short-pin guides to hold the microswitches.
- The short-pin wiring connections are now routed to the two microswitches.
- Washers were removed from the suckers to prevent plate skewing.
- Washers were added to the XY bar to tilt the XY bar, so that thin plates do not touch the punch roller guides or the punch's top wires.

Problems Fixed

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

- LIF and LMCE diagnostics were completed.
- Firmware information was added to the Machine Info window.
- LMCE files load using a script from Kodak Service Shell.
- Edge detection operates properly after startup.
- In the Kodak Brisque® software, scaling works on platesetters with an LDA head only.
- Intermittent drum error messages no longer appear.
- The expose process successfully reaches 100%.
- In simulation mode, to expose to disk, select **Drum Not rotated, lasers Not activated, TIFF file create**.
- Spare laser information values are updated manually.
- On Magnus 400 Quantum platesetters, half resolution cannot be defined.
- A previous Media definition problem has been fixed.
- The paper/metal detector parameter range has been fixed.
- The Save button that was unavailable in the Media definition dialog box is now available.
- Diagnostics that previously ran on a faulty channel and are now fixed.
- During installation, the parameters retained their default values.
- The XY bar no longer gets stuck on the cassette during the loading process.
- Pressure marks that appeared on 0.15 mm plates due to the pressure of the suction cups have been fixed.
- Calibration test with positive plates is now supported.
- The Magnus 400 Controller software no longer stops responding during the loading sequence.
- Diagnostics that failed when diode #0 was spliced has been fixed.

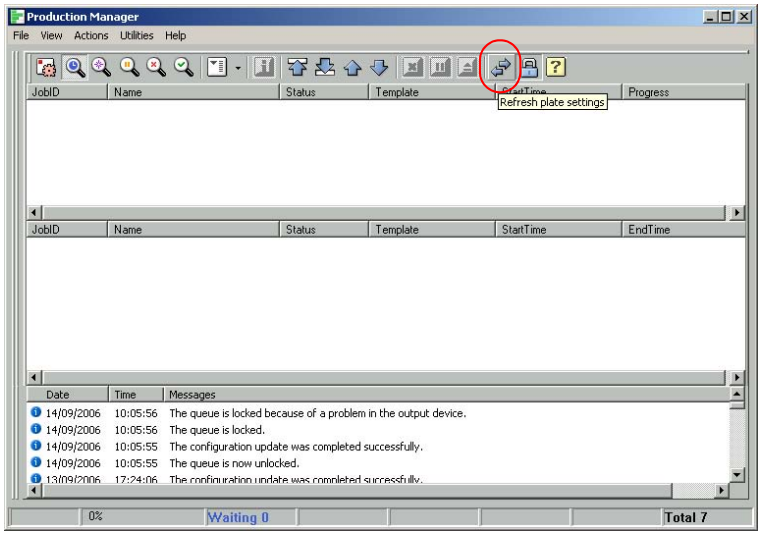
Known Problems and Limitations

This section lists known problems in the Magnus 400 Controller software. 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 Magnus 400 Controller software.

- Local3 loading not consistent: This problem still occurs. To work around this problem, install the Infineon Memtool 3 software. For more information, see Resetting the Local3 Board on Magnus 400.
- Remote support: When you select **Utilities > Remote Support** for the first time, initially the NetMeeting Setup dialog box appears (in which you must click **Next** several times), followed by the Remote Support dialog box. After the Remote Support dialog box appears for the first time, it will appear automatically whenever the **Remote Support** option is selected.
- In the Laser Info Tables window, the **Extension** tab is unavailable.
- The Magnus 400 Controller software stops responding when the Xpo Calibration dialog box is open and you send a plate to expose after changing a parameter in the Media Definition dialog box.

  Workaround:

  1. In the Magnus 400 Controller software, in the Media Definitions dialog box, change the required parameter and click **OK**.
  2. Close the Xpo Calibration dialog box.
  3. On the Xpo palette, select **Production Manager**.
  4. In the Production Manager window, on the toolbar, click the **Refresh plate settings** button and close the window.



  5. On the Xpo palette, select **Calibration**.
  6. In the Calibration dialog box, send a plate to expose.

- For platesetters with LIF and the Xpo 3.1.31 software only: To perform calibration using the Xpo software, you must define a negative media in the Media Definition dialog box, and then perform a calibration test with the negative media. Positive media will not appear in the Calibration dialog box.
- Buttons are unavailable (gray) in the Magnus 400 Controller software dialog boxes, in the Media Setting dialog boxes, and in the Loading System dialog boxes.

  Workaround: Restart the Magnus 400 Controller software.
- On Magnus 400 Quantum platesetters only: When you define a punch in the registry, you must change the **Punch Motor > Height Pos** parameter from 100 to **375**.

Configuring the UDRC in the Registry

Magnus 400 Controller 1.02.392 supports a new UDRC BP configuration that includes a nozzle vacuum detector and wiring (part number 220-01932A), which alerts the operator to the status of the UDRC. To implement the UDRC BP configuration, you must install the new UDRC BP cable and the nozzle vacuum detector and wiring, and make sure to update the registry accordingly.

You can configure the UDRC either during the software installation (see step 5b in *Installing the Magnus 400 Controller 1.02.392 Software* on page 20) or later in the registry.

If the UDRC is not configured as type BP, you can use the UDRC together with the platesetter, but you will not be alerted to its status during operation.

To configure the UDRC parameter in the registry:

1. In the Magnus 400 Controller software, select **Utilities > Hardware**.
2. In the Hardware tree, go to **Others > Magnus400**.
3. Right-click **Mangus400** and select **Properties**.

   The Properties: Magnus400\MACHINE dialog box appears.
4. Locate the **UDRC installed** parameter and change the value to **1**.

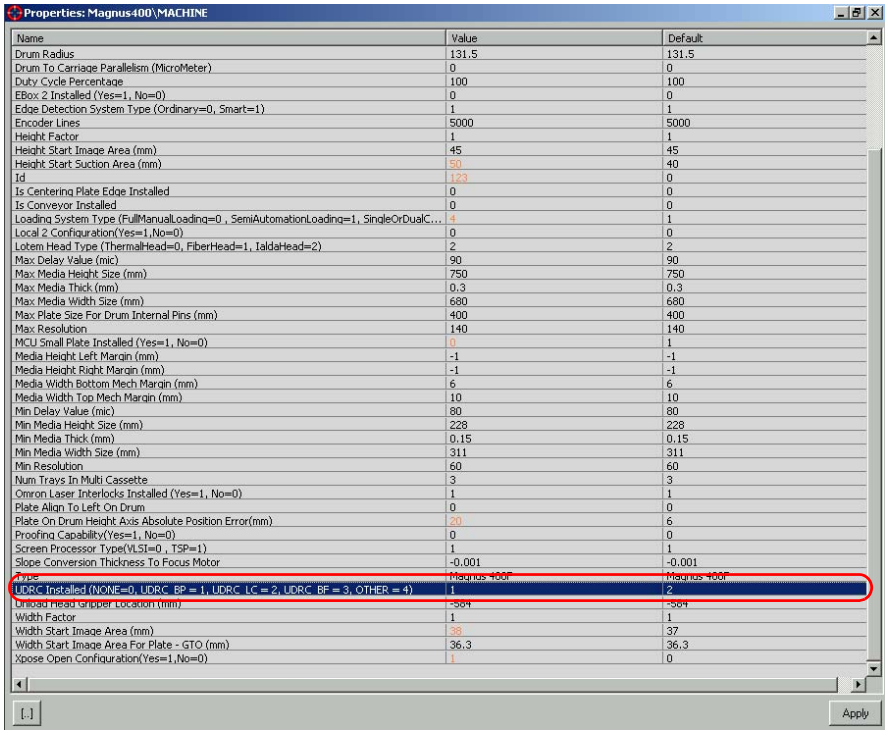
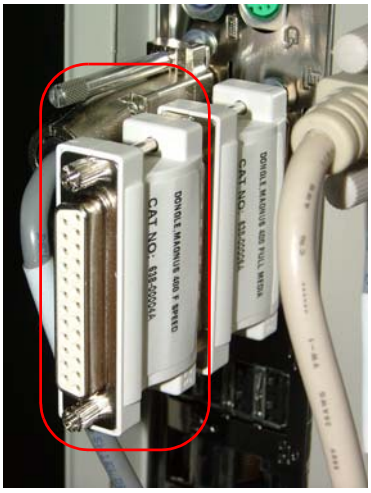


Figure 5: Changing the value of the UDRC installed parameter

5. If your UDRC is not type BP, change the value to **4** (OTHER).

Installing the Magnus 400 Controller Software

Important: Before installing the software, verify that the customer feature dongle is properly connected to the parallel port on the computer. Use the following table to identify the correct dongle for your platesetter.



Dongle 638-00004A



Dongle 638-00006A

Platesetter	Dongle Part Number
Magnus 200S	Not applicable
Magnus 200F	638-00004A
Magnus 400S	638-00006A
Magnus 400F	638-00004A + 638-00006A
Magnus 400F Quantum	Not applicable

Important: To upgrade the Magnus 400 Controller software from version 1.01.391.003 to 1.02.392, you must first install the **Magnus 400 Accessories** CD (651-00628A) before installing software version 1.02.392.

This procedure includes the following sections:

- *Installing the Magnus 400 Accessories CD Files* on page 16

  Note: These instructions are for platesetters in the field that do not have an image disk with version 1.14 of the operating system.

- *Installing the Magnus 400 Controller 1.02.392 Software* on page 19
- *Installing Firmware Files* on page 22

Installing the Magnus 400 Accessories CD Files

Note: If an image disk with version 1.14 of the operating system is installed on your platesetter, go to Installing the Magnus 400 Controller 1.02.392 Software on page 19.

The Magnus 400 Accessories CD (651-00628A) contains additional software that you must install prior to installing the new Magnus 400 version software.

This section includes the following procedures:

- *Before You Begin*
- *Installing Dot Net*
- *Installing Creo Feature License* on page 17
- *Installing Service Shell 2.6 Service Pack 2* on page 17

Before You Begin



1. On the Microsoft® Windows® desktop, double-click the **MachineBackup** icon to save the registry and database files. See Saving the Registry and Database Files in the Magnus 400 Cold Start Installation Guide (731-00804A-EN).

   Note: For the Magnus 400 Quantum platesetters (with TH2 heads), in addition to saving the registry and database files, you must also save the nonvolatile storage (NVS) parameters.
2. On the Operations toolbar, verify that the status indicator is **Ready**.
3. In the Magnus 400 Controller software, open the rear door of the platesetter.
4. Quit the Magnus 400 Controller software, Service Shell, and any other software that might be open on your client workstation.

Installing Dot Net

1. On the computer inside the platesetter, insert the Magnus 400 Accessories CD into the CD-ROM drive.
2. On the Windows desktop, double-click **My Computer**.
3. In the My Computer window, double-click drive **F:** (SWSetup).
4. In the SWSetup window, double-click the **LicensingServer** folder.
5. In the LicensingServer window, double-click the **Win2000_dotnetfx.01.exe** file.
6. When the `Would you like to install Microsoft .NET Framework 1.1 Package?` message appears, click **Yes**.

   After a few moments, the License Agreement window appears.
7. Select the **I agree** check box and click **Install**.
8. When the `Installation of Microsoft .NET Framework 1.1 is complete.` message appears, click **OK**.

   You have successfully completed *Installing Dot Net*.

Installing Creo Feature License

1. In the LicensingServer window, double-click the **CreoFeatureLicensingServer.exe** file.
2. In the InstallShield Wizard Welcome dialog box, click **Next**.
3. When the `Please remove all USB SuperPro dongles before continuing.` warning message appears, verify that no dongles are connected to the USB ports and click **Next**.

   The Destination Folder dialog box appears, displaying the correct path of the folder to which you want to install the license: **C:\Creo\FeatureLicense**.
4. Click **Next**.
5. In the Ready to Install the Program dialog box, click **Install**.
6. After the software is successfully installed, in the InstallShield Wizard Completed dialog box, click **Finish**.
7. When the following message appears, click **No**.
   `You must restart your system for the configuration changes made to Creo Feature Licensing Server to take effect. Click Yes to restart now or No if you plan to restart later.`
8. In the LicensingServer window, double-click the **database.bat** file.

   A DOS window appears and immediately closes, and three XML files are installed.

   You have successfully completed *Installing Creo Feature License*.

Installing Service Shell 2.6 Service Pack 2

1. On the Windows desktop, double-click **My Computer**.
2. In the My Computer window, double-click drive **F:** (SWSetup).
3. In the SWSetup window, double-click the **Service Shell** folder.
4. In the Service Shell window, double-click the **Service Shell Host-CTP.exe** file.
5. When the following message appears, click **Yes**.
   `Service Host software seems to be running. Do you want to shut down and continue the installation?`
6. In the InstallShield Wizard Welcome dialog box, select **Upgrade/Reinstall** and click **Next**.
7. In the Does This Workstation Require Multi Language Support? dialog box, select the **No** check box and click **Next**.

   The Service Shell Host installation starts. After the software is successfully installed, the InstallShield Wizard Complete dialog box appears.
8. Select the **No, I will restart my computer later** check box and click **OK**.

   You have successfully completed installing the Service Shell Host.
9. Return to the Service Shell window and double-click the **Service Shell Client-CTP.exe** file.

   The InstallShield Wizard Welcome dialog box appears.

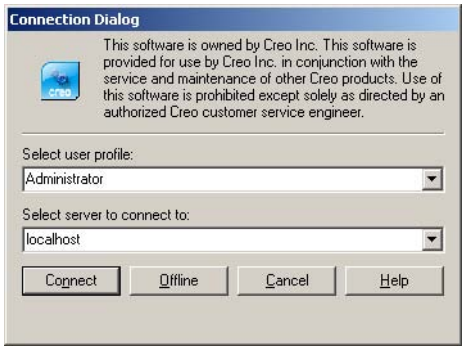
10. Select **Upgrade/Reinstall** and click **Next**.
11. The Service Shell Client installation starts. When the `The service shell scripts were copied to the Backup\Script directory prior to the install.` message appears, click **OK**.

    The InstallShield Wizard Complete dialog box appears.
12. Click **Finish**.

    The Restart dialog box appears.
13. Select the **Yes, I want to restart my computer now.** check box and click **OK**.
14. After the computer restarts, remove the **Magnus 400 Accessories** CD from the CD-ROM drive.
15. If you have a service dongle, on the computer inside the platesetter, connect the service dongle to the USB port.



The Connection Dialog dialog box appears.





16. If you do not have a service dongle, perform the following steps:
    a. On the Windows desktop, double-click the **Service Shell Client** icon.

       The Service Shell Login window appears.
    b. In the **Please enter a valid password to continue** box, type the relevant password and click **Login**.

       Note: The password is updated periodically. To obtain the correct password, contact the system administrator.

       The Connection Dialog dialog box appears.

17. Click **Connect**.

    The Service Shell workspace appears.

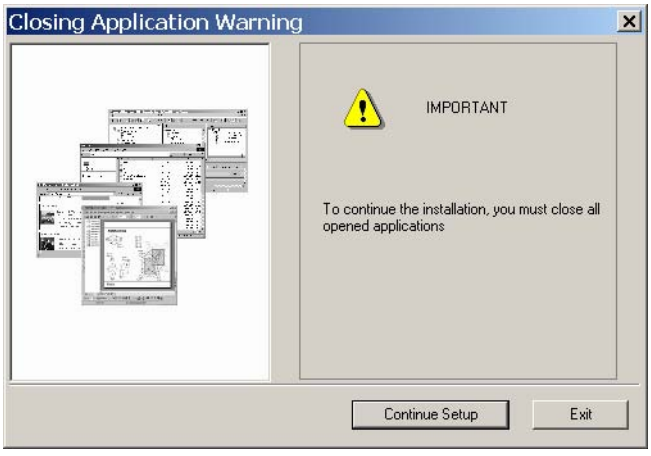
18. Quit Service Shell and remove the service dongle.

    You have successfully completed *Installing Service Shell 2.6 Service Pack 2*.

Installing the Magnus 400 Controller 1.02.392 Software

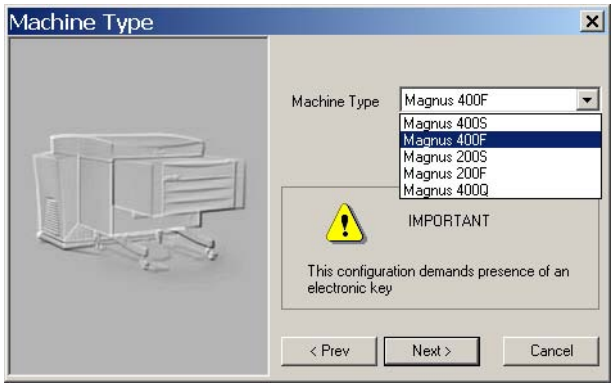
After you successfully install the software from the Magnus 400 Accessories CD, you need to install the Magnus 400 Controller 1.02.392 software.

1. Insert the **Magnus 400 Version 1.02.392** CD (651-00640A) into the CD-ROM drive. When the Closing Application Warning dialog box appears, verify that all software is closed and click **Continue Setup**.



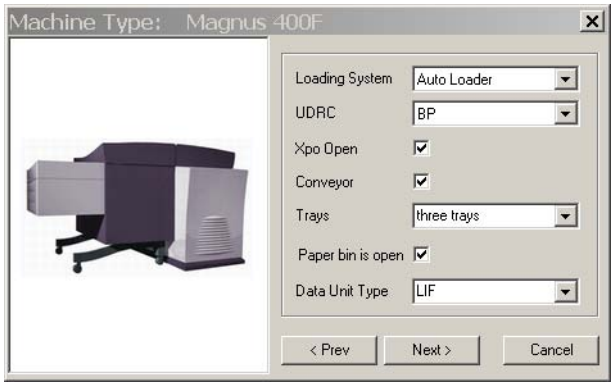
2. When the Magnus Family Installation Setup dialog box appears, click **Next**.
3. Type the following customer information, and then click **Next**.
   - User Name: (your user name)
   - Company: Kodak (or customer's name)
   - Serial Number: (the Magnus 400 Controller platesetter serial number)

The Machine Type dialog box appears.

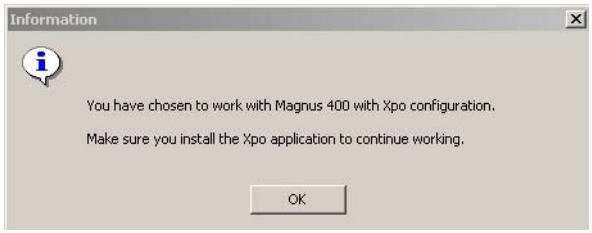


4. In the Machine Type list, select the platesetter that you are installing, and click **Next**.

   The Machine Type dialog box is refreshed, and the selected platesetter type appears in the title bar.



5. Perform the following steps, and then click **Next**:
   a. In the **Loading System** list, select either **Semi Automatic** or **Auto Loader**.
   b. In the **UDRC** list, select either **None**, **BP,** or **Other**.
   c. If you select **BP**, verify that the UDRC BP cable and the nozzle vacuum detector and wiring are installed on the platesetter.
   d. If you are working with a Magnus 400 platesetter with the Xpo software, select the **Xpo Open** check box. When the following message appears, click **OK**.



e. Select the **Conveyor** check box.

f. In the **Trays** list, select either **one tray** or **three trays**.

g. Select the **Paper bin is open** check box.

h. In the **Data Unit Type** list:

- If LIF Rev C is installed on your machine, select **LIF**.
- If TSP is installed on your machine, select **TSP**.

The Magnus 400 Controller software takes a few minutes to load.

After the software is successfully installed, the Reboot dialog box appears.



6. Select **Yes, I want to restart my computer now.** and click **Finish**.
7. Remove the **Magnus 400 Version 1.02.392** CD from the CD-ROM drive and restart the computer.

Important: Proceed to the next section, Installing Firmware Files on page 22. Do not start the Magnus 400 Controller 1.02.392 software until you have successfully installed the firmware files.

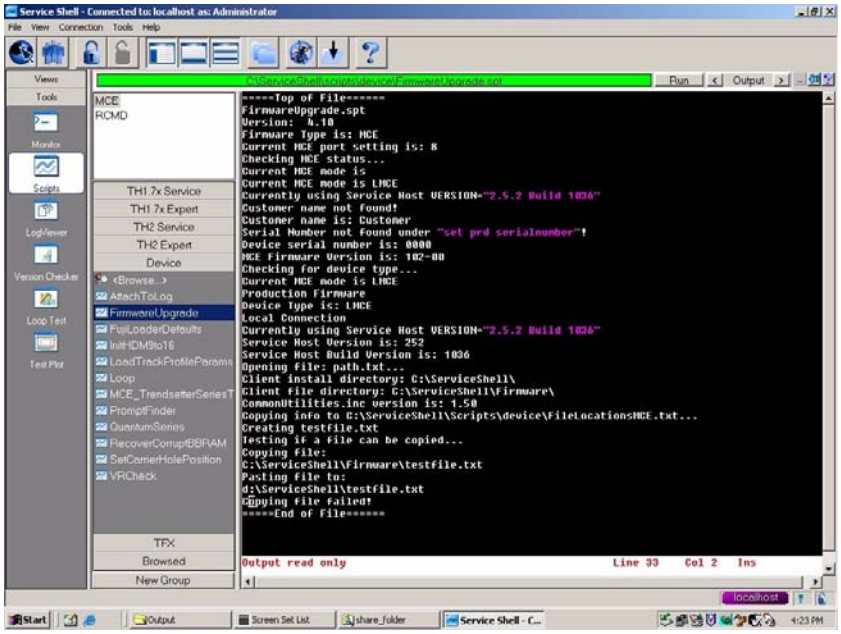
You have successfully completed *Installing the Magnus 400 Controller 1.02.392 Software*.

Installing Firmware Files

Before you begin the firmware installation, verify whether the firmware files are already installed on the platesetter. If they are, you do not need to reinstall them.

1. On the left panel in the Service Shell workspace, click **Monitor**.
2. At the command prompt, type: `fw dir`.
   - For platesetters with an LDA head (LMCE firmware), the following application files should appear:
     - Main: 1.04.01
     - Lca: 70.89
     - Boot: 1.16.01
     - Post: 1.06
   - For platesetters with a TH2 head (TMCE firmware), the following application files should appear:
     - Main: 1.40.00
     - Lca: 2.28
     - Boot: 1.16
     - Post: 1.06
     - TH2: 1.05d

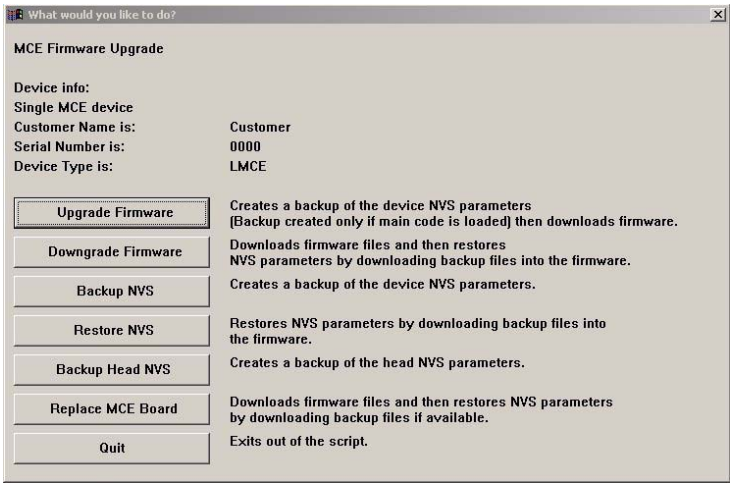
     Note: To view the TH2 file, at the command prompt, type `th2 "ver`.
3. If you do not have the appropriate firmware files installed, on the Windows desktop, click the **Service Shell Client** icon.



4. On the left panel in the Service Shell workspace, select **Tools > Scripts > Device** and double-click **Firmware Upgrade**.

5. When the `Do you want to run the following script?` message appears, click **Yes**.

   After a few moments, the MCE Firmware Upgrade dialog box appears.

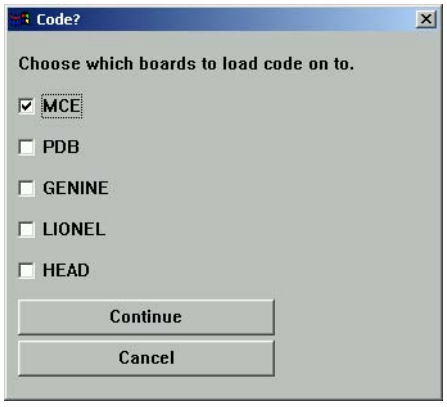


6. For platesetters with an LDA head, perform the following steps:

   Note: For platesetters with a TH2 head, go to step 7.

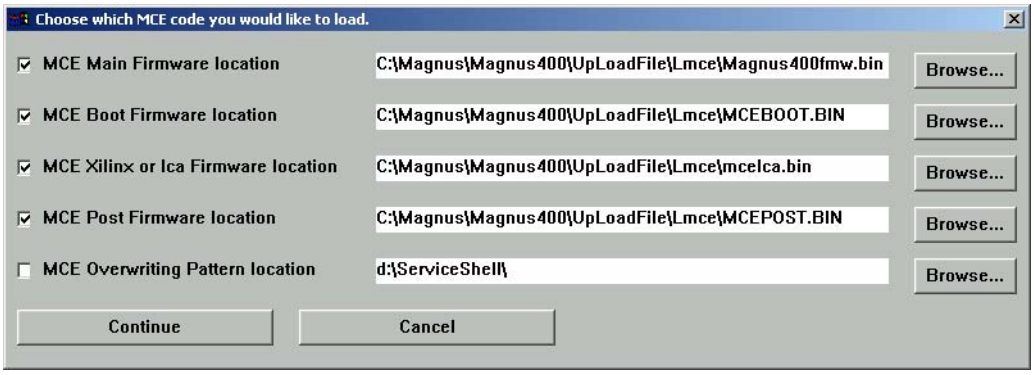
   a. Click **Upgrade Firmware**.

      The Code? dialog box appears.



   b. Select **MCE** and click **Continue**.

The Choose which MCE code you would like to load dialog box appears.



c. Select the first four check boxes only:

- **MCE Main Firmware location**: Click **Browse** to locate and select the **Magnus400fmw.bin** file.
- **MCE Boot Firmware location**: Click **Browse** to locate and select the **MCEBOOT.bin** file.
- **MCE Xilinx or Ica Firmware location**: Click **Browse** to locate and select the **mcelca.bin** file.
- **MCE Post Firmware location**: Click **Browse** to locate and select the **MCEPOST.bin** file.

d. Click **Continue**.

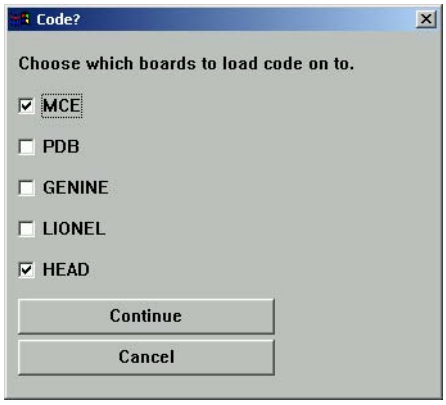
The files are copied to **C:\Magnus\Magnus400\UploadFile\Lmce** and the MCE Firmware Upgrade dialog box appears.

e. Go to step **8**.

7. For platesetters with a TH2 head:

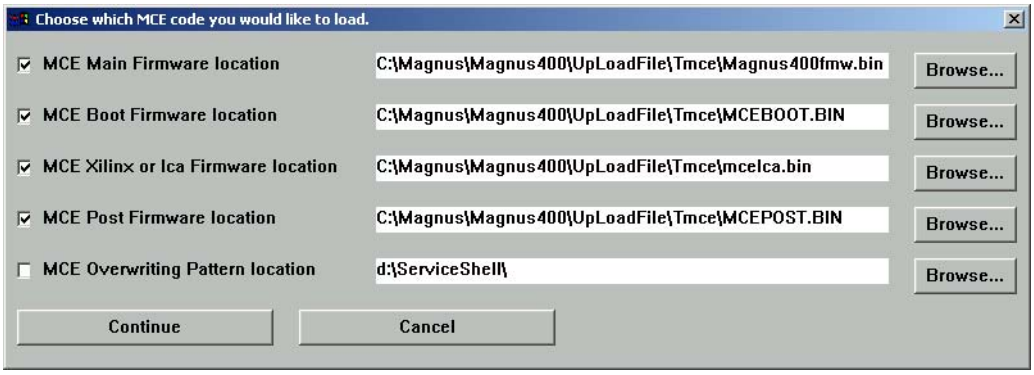
a. Click **Upgrade Firmware**.

The Code? dialog box appears.



b. Select the **MCE** and **HEAD** check boxes, and click **Continue**.

The Choose which MCE code you would like to load dialog box appears.

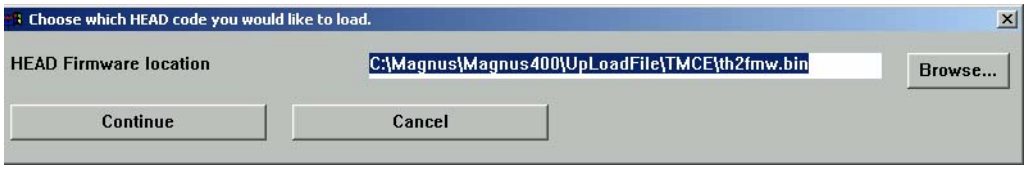


c. Select the first four check boxes only:

- **MCE Main Firmware location**: Click **Browse** to locate and select the **Magnus400fmw.bin** file.
- **MCE Boot Firmware location**: Click **Browse** to locate and select the **MCEBOOT.bin** file.
- **MCE Xilinx or Ica Firmware location**: Click **Browse** to locate and select the **mcelca.bin** file.
- **MCE Post Firmware location**: Click **Browse** to locate and select the **MCEPOST.bin** file.

d. Click **Continue**.

The files are copied to **C:\Magnus\Magnus400\UploadFile\Tmce** and the Choose which HEAD code you would like to load dialog box appears.



e. Click **Browse** to locate and select the **th2fmw.bin** file.

f. Click **Continue**.

The file is copied to **C:\Magnus\Magnus400\UploadFile\Tmce** and the MCE Firmware Upgrade dialog box appears.

8. Click **Quit**.
9. On the left panel in the Service Shell workspace, click **Device Monitor**.
10. At the command prompt, type `fw dir` and press ENTER.

11. Verify that the following firmware versions appear:
    - For platesetters with an LDA head (LMCE firmware):
        - Main: 1.04.01
        - Lca: 70.89
        - Boot: 1.16.01
        - Post: 1.06
    - For platesetters with a TH2 head (TMCE firmware):
        - Main: 1.40.00
        - Lca: 2.28
        - Boot: 1.16
        - Post: 1.06
        - TH2: 1.05d

        Note: To view the TH2 file, at the command prompt, type `th2 "ver`.
12. At the command prompt, type `set drum maxacc`, and press ENTER.

    The following information appears:

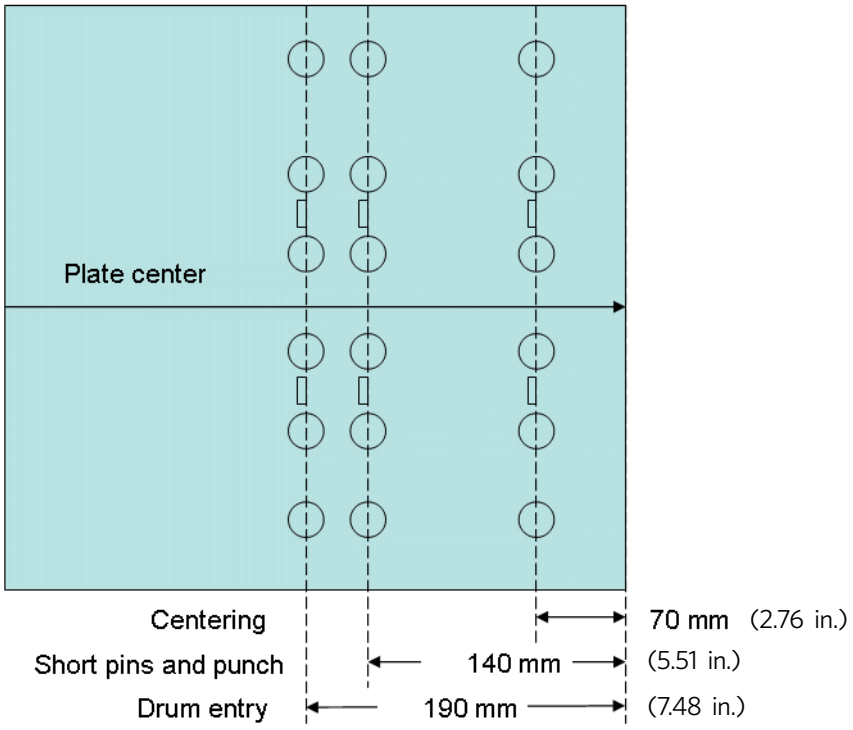
Group	Parameter	Active	Default
Drum	MaxAcc	11.00	8.00

13. To change the MaxAcc value to 12, at the command prompt, type `set drum maxacc 12`, and press ENTER.
14. Quit the Service Shell workspace and start the Magnus 400 Controller software.
15. Restore the database, and then manually enter all the non-default values that you previously wrote down, but not the multi-cassette unit (MCU) loading parameters (leave these values as default).
    - During the Magnus 400 Controller software installation, a **Kodak** folder is automatically created (in addition to the **Creo** folder). When you restore the database, the log files still appear in the **Creo** folder. Copy the log files to the **Kodak** folder.
    - The MCU loading parameters are automatically set to their default values after installing the Magnus 400 Controller 1.02.392.021 software. Minor fine-tuning adjustments might be required.

      Note: For a detailed list of the MCU loading parameters, see Appendix A—MCU Loading System Parameters in the Upgrading Magnus 400 Controller Software 1.01.391.003 to 1.02.392.021 procedure (731-00949A).

16. On platesetters with MCU, adjust the plate-picking positions according to the following diagram.

    Note: For more information about plate-picking positions, see the Magnus 400 With MCU Plate-Loading Sequence Reference Guide (731-00835A).



17. In the Magnus 400 Controller software, send a file to expose and check the quality on the plate.