Kodak

Installing NVS Parameters on a Magnus 400 Quantum

Platesetter

Procedure

English

731-01006A-EN

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Product

- Kodak® Magnus™ 400 Quantum platesetter

Background

This procedure describes how to install the nonvolatile storage (NVS) parameters and firmware files on the turbo master control electronics (TMCE) board on a Magnus 400 Quantum platesetter. You can perform the installation either manually or automatically

Important: During the installation process, verify that the Magnus 400 Controller software is closed.

Procedure

Determining Whether the TMCE Board Contains the Necessary TMCE Files

Perform the following procedure only if you have replaced the TMCE board with another board that does not include the TMCE file configurations.

To determine if the TMCE board contains the necessary TMCE files:

➢ On the left panel in the Kodak Service Shell workspace, click the **Monitor** tool.

If the `Quantum Eng>>` command prompt appears on the monitor, you must install the firmware TMCE files.

Installing the NVS Parameters and Firmware TMCE Files

The Magnus 400 Quantum platesetter is delivered to the site preconfigured according to customer requirements. This procedure describe how to install the firmware TMCE files when a fresh installation of the Microsoft® Windows® operating system is required.

Important: When installing the TMCE files for the first time, you must load them in the correct order.

Note: The firmware file versions are updated periodically. Verify that you are installing the correct firmware files for the platesetter. See Firmware for Magnus 400 Quantum.

Manually Installing the NVS Parameters and Firmware TMCE Files

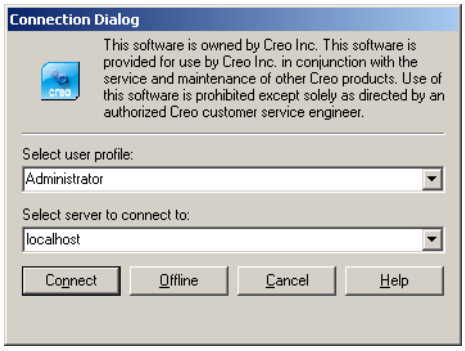
1. On the Windows desktop, double-click the **Service Shell Client** icon.

   The Service Shell Login window appears.

2. Type the appropriate password.

   The Connection Dialog dialog box appears.

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



3. Click **Connect**.

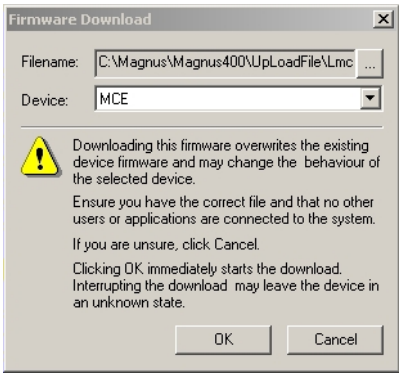
   The Service Shell workspace appears.

   Important: On the keyboard, press ENTER and verify that you loaded the version in Quantum mode. The `Quantum>>` command prompt should appear on the monitor.

4. In Service Shell, click the **Monitor** tool .

5. On the Service Shell toolbar, click the **Firmware Download** icon .

   The Firmware Download dialog box appears.



6. In the **Filename** box, type `C:\Lotem\Lotem400\UploadFile\TMCE\Quantum_Fmw134-tcp.bin`.
7. In the **Device** list, select **MCE** and click **OK**.

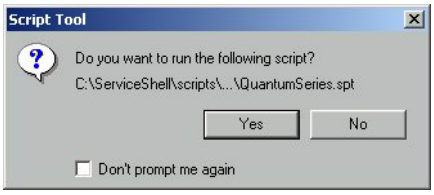
   Note: Service Shell automatically performs a reset after each file is loaded.

8. After you install the first file, repeat steps 5–7 for the remaining four files. Load the files in the following order:

Order	File Name
1.	**Mce lca 0178.bin**
2.	**Mce Boot 109.bin**
3.	**Mce Post 105.bin**
4.	**Th2fmw 103b.bin**

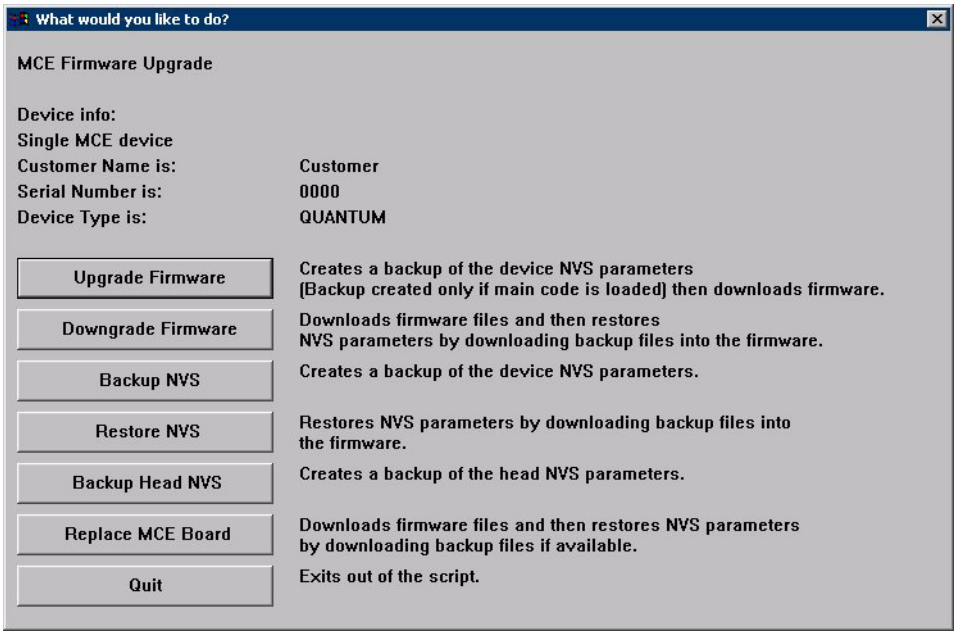
Automatically Installing the NVS Parameters and Firmware TMCE Files

1. Quit the Magnus 400 Controller software.
2. Start the Service Shell Client.
3. In Service Shell, on the **Tools** palette, click **Scripts** .
4. Click **Device**.
5. When the following message appears, click **Yes**.



6. Double-click **Firmware Upgrade**.

   After a few moments, the What would you like to do? (MCE Firmware Upgrade) dialog box appears.



7. Click **Upgrade Firmware**.

   The Code dialog box appears.

8. Select the **MCE** and **Head** check boxes, and click **Continue**.

   A dialog box with a list of files appears.

9. Select the following check boxes, and then, for each check box selected, click **Browse** and select the path that corresponds to the location of that file.

   - **MCE Main**: Locate **C:\Lotem\Lotem400\UploadFile\TMCE\Quantum_Fmw134-tcp.bin**
   - **MCE Boot**: Locate **C:\Lotem\Lotem400\UploadFile\TMCE\MCE Boot 109.bin**
   - **MCE Xillinx**: Locate **C:\Lotem\Lotem400\UploadFile\TMCE\MCE Iac 0187.bin**
   - **MCE Post**: Locate **C:\Lotem\Lotem400\UploadFile\TMCE\MCE Post 105.bin**

10. After you finished selecting the files that you want to load, click **Continue**.

    The Head Firmware Location window appears.

11. Select **Th2 fmw 103b.bin** and click **Continue** twice.

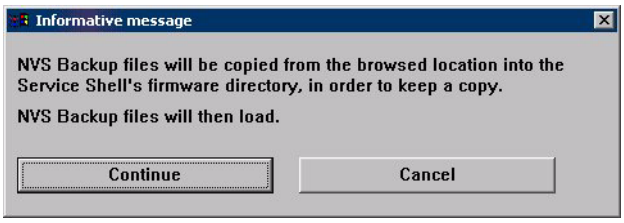
    The Please enter the locations of all necessary files dialog box appears.

12. In the **MCE NVS RAM location** box, click **Browse** and locate the **Customer_Quantum_0000_MCE_134_00_Ram NVS bin** file.

13. In the **MCE NVS FLASH location** box, click **Browse** and locate the **Customer_Quantum_0000_MCE_134_00_Flash.NVS bin** file.

14. Click **Continue**.

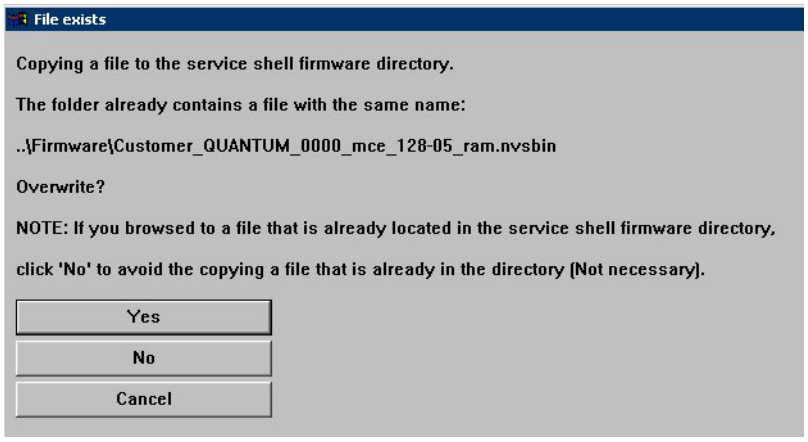
    The Informative message dialog box appears.



15. If a File Exists dialog box appear, click **No**.

    A second File Exists dialog box appears.

16. Click **No**.



    Wait a few moments for the files to load. When the files are loaded, the What would you like to do? (MCE Firmware Upgrade) dialog box appears.

17. Click **Quit**.

18. In Service Shell, click **Device Monitor** and verify that the version is in Quantum mode. At the `Quantum>>` command prompt, type `FW Dir` and verify that all files have been installed.

    The following information should appear on the monitor:

Name	Version	Start	Scts	Length	Checksum	Used	Free
MCE BBR Code	1.03	00000000	1	6832	Passed	5%	95%
MCE NVS Params	n/a	00020000	2	262144	n/a	100%	0%
MCE BOOT Code	1.09	00060000	2	108096	Passed	41%	59%
MCE FW Dir	1.00	000A0000	1	131072	n/a	100%	0%
MCE MAIN Code	1.34.00	000C0000	16	1553880	Passed	74%	26%

Name	Version	Start	Scts	Length	Checksum	Used	Free
MCE OVWR Data	n/a	002C0000	2	0	n/a	0%	100%
MCE POST Code	1.05	00300000	2	75294	Passed	28%	72%
MCE Xilinx	1.87	00340000	6	218976	Passed	27%	73%
Totals			32	2356294		56%	44%

Technical Contact(s)

Content owner: Mario Amir

See the Escalation page for escalation contacts.

Date Submitted

29 Jan 2007

Last Updated