



Appendix A

Software Kit & Software Loading

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A.1 Software Kit

The Lotem 400 Quantum Support Kit (513K3R404) includes:

- **Lotem 400 Quantum Software Startup** diskette – 501V51692A
- **Windows 95 Operating system** CD – 510V51689A
- **Lotem 400 Quantum Application software** CD – 510V1N168E
- **Software Installation Procedure** – printed on the CD cover.

This kit is part of the Lotem 400 Quantum platesetter and can be ordered separately for service use.

Important Notes:

1. All machine parameters are saved on the **Machine parameters** diskette, and attached to the Electronic box of each new machine on the production line.
2. You should frequently **save** the machine parameters onto the diskette.
3. Both the **Registry** file and **DataBase** folder can be saved on the same diskette.
4. In case of **System disk crash** or **Software corruption** you will not be able to open the machine doors or backup the parameters. In such an event, proceed with the following instructions:
   - Refer to *Section 2.2 on page 53* for instructions on how to open doors manually.
   - Restore the machine parameters, using the machine parameters saved on the diskette.
   - Obtain the **IP Address** from the **System administrator** or from the Brisque **Scismit**.

A.2 Software Installation Procedure

Prior to software loading:

1. Save the **Registry** file onto floppy diskette (*Section A.2.1 on page 149*).
2. Save the **DataBase** folder onto floppy diskette (*Section A.2.2 on page 150*).
3. Write down the **IP address** of the PC controller (*Section A.2.3 on page 150*).
4. Load the **Windows 95** Operating system (*Section A.2.4 on page 151*).
5. Load the **Lotem 400 Quantum** Application and Diagnostics (*Section A.2.7 on page 153*).

After software installation:

1. Restore the **Registry** file from the floppy diskette (*Section A.2.8 on page 154*).
2. Restore the **DataBase** folder from the floppy diskette (*Section A.2.9 on page 154*).

The above steps are detailed below.

A.2.1 Save Registry File

1. Power on the Lotem 400 Quantum platesetter.
2. Open the right side door of the platesetter.
3. Insert a formatted write-enable diskette into the floppy diskette drive.
4. On your PC computer, click **Start** and select **Run** from the pop-up menu.
5. Type **regedit** in the Run window and click **OK**.
6. Select **HKEY_LOCAL_MACHINE, SOFTWARE, Scitex, Projects, LOTEM400V**.

7. Select **Registry** from the **Main** menu.
8. Select **Export Registry** file.
9. Select **(A:) floppy** from the **Save in** window. Enter a logical file name xxx.reg. and then **save** the registry file.
10. Select **Registry** from the **Main** menu.
11. Select **Exit**.
12. Leave the diskette in the diskette drive and proceed to the next section for saving the **DataBase**.

A.2.2 Save DataBase Folder

1. On your PC computer, click **Start** and select **Programs** from pop-up menu.
2. Select **Windows Explorer.**
3. Select the **C drive** -> **Lotem** folder -> **DataBase** (DataBase is highlighted).
4. From the **Edit** menu, select **Copy**.
5. Select **(A:) floppy**. From the **Edit** menu, **paste** the **DataBase** folder into the diskette (alternatively, use the **Drag & Drop** option).
6. From the **File** menu, select **Close**.
7. Remove the diskette from the diskette drive.

A.2.3 Write Down the PC Controller IP Address

1. On your PC computer, click **Start** and select **Settings** -> **Control Panel**.
2. In the **Control Panel** window, select **Network**.
3. From the Network window, select **Protocols** -> **TCP/IP address**.
4. Write down the **IP Address**.
5. Click **OK** twice and exit the **Control Panel**.

A.2.4 Loading Windows 95 Operating System

Please use the following procedure to load Windows 95 software and all the necessary drivers.

1. Turn on the platesetter to enable opening the CD drive.
2. Insert the **Software startup** diskette into the diskette drive; insert the **Operating system** CD into the CD drive.
3. Press <**Ctrl**> + <**Alt**> + <**Del**> to start up the Lotem 400 Quantum. Press <**Delete**> to enter the **BIOS Setup** screen.
4. Select **Default** screen - **Original**, and click **No** in response to the **Restore Old Values?** prompt.
5. Select **Setup** screen - **Advance**, and change the **Boot Up Sequence** to **A, C, CDROM.**
6. Press **Esc** (twice) to exit; select **Save Changes** and **Exit**.
7. The system will boot from the **Software startup** diskette.
8. Select **Option A** from the screen.
9. At the prompt **Are you sure you want to continue**? click **Yes** (estimated loading time 5 minutes).
10. Upon completion, remove the **software startup** diskette from the diskette drive and the **Operating system** CD from the CD drive.
11. Press <**Ctrl**> + <**Alt**> + <**Del**> to start up the platesetter. Make sure that the Windows 95 software is running.
12. Define the PC controller **IP address** (refer to *Section A.2.3 on page 150*).
13. You are now ready to load the Creo application. Proceed to next section.

A.2.5 Saving NVS Parameters from TMCE to the Disk

1. From the DOS Prompt, type:
   C:\TH2\Tools\
   Bload F= File Name_ram.bin
   p = x; b = 57600; d = ram; i = NVS upload.

2. Wait until the file is saved.


The file must be saved under the same directory as the Bload program.

A.2.6 Saving Flash Parameters from TMCE to the Disk

1. From the DOS Prompt, type:
   C:\TH2\Tools\
   Bload F= File Name_flash.bin
   p = x; b = 57600; d = flash; i = NVS upload.
2. Wait until the file is saved.


The file must be saved under the same directory as the Bload program.

A.2.7 Loading Lotem 400 Quantum Application & Diagnostics S/W

Please use the following procedure in order to load the **Lotem 400 Quantum** application software.

1. **Delete** the **Lotem400V** and the **Lotem400VDiag** icons (important when installing **only** the application software).
2. Insert the **Application software** CD into the CD drive.
3. Wait for the **Lotem Setup** screen.
4. Select **Next** for the **Welcome** screen.
5. Select **Yes** to confirm the **Software License Agreement**.
6. Enter the following:
   - Name: **Lotem**
   - Company: **Creo**
   - Serial: (machine serial number)
   - Select **Next**.
7. Verify that the **destination** folder is **C:\Lotem** and select **Next**.
8. Verify that the **Setup** type is **Typical** and select **Next**.
9. Select **Next** to **Start Coping Files** (estimated loading time is 5 minutes).
10. Select **Finish** for **Setup Complete**; the new **Lotem400V** and the **Diagnostics** icons appear on the Windows 95 screen.
11. Remove the **Application and Diagnostics software** CD from the CD drive.
12. Proceed with the **Restore** procedure in the following two sections. If necessary, close doors and start the **Lotem 400 Quantum** application by double-clicking on the icon.

A.2.8 Restore the Registry File

1. Insert the **Machine parameters** diskette into the diskette drive.
2. On the PC computer, click **Start** and select **Run** from the pop-up menu.Type **regedit** in the Run window and click **OK**.
3. Select **Registry** from the **Main** menu.
4. Select **Import Registry** file.
5. Select **A: floppy** from the **Look in** pop-up menu.
6. Select the saved registry file (xxx.reg).
7. Select **Open** to load the registry file.
8. Click **OK** in response to the following message: **Information in A:\xxx.reg has been successfully entered into the registry**.
9. Select **Registry** and **Exit**.
10. Leave the diskette inside the diskette drive and proceed to next procedure: **Restore the DataBase Folder**.

A.2.9 Restore the DataBase Folder

1. Make sure the **Machine parameters** diskette is in the diskette drive.
2. On your PC computer, click **Start** and select **Program** from pop-up menu.
3. Select **Windows Explorer**.
4. Select and open the **C drive**.
5. Double-click on **A: floppy**.
6. Drag & drop the **DataBase** folder from the **A: floppy** to **C:\Lotem\Lotem400V** folder.
7. Select **Yes to all** to confirm the folder replacement.
8. Select **File** -> **Close**.
9. Remove the diskette from floppy drive and attach it to the Electronic box.