



ROM Write Utility
Operating Instructions

Ver. 3.2

11/10/09



Introduction

The ROM Write Utility is a PC based program that allows the technician to update the firmware on the Main Control Board and PCL Print Option Board of Muratec machines. This booklet contains instructions on how to install and perform an update procedure using the ROM Write Utility.

The ROM Write Utility is available free of charge to authorized Muratec servicing dealers. The utility can be downloaded from the Muratec technical support web site. The ROM Write utility is in a Win Zip file. The file contains the ROM Write utility and Operating Instructions. It will be necessary to unzip and extract the ROM Write Setup executable file after downloading.

It is also necessary to download the latest Main Control Board and PCL Print Option firmware flash files from the Muratec technical support web site. These files are located in "Machine Update Files" folder. Download the files for the machines to be updated. The update files are in Win Zip files. It will be necessary to unzip and extract the files after downloading.

The following is a list of Muratec machines and PCL Print Option boards that can be updated using the ROM Write Utility:

MFX-2850	F-525	F-300	PCL500 (OP500)
MFX-2350	MFX-2030	MFX-1350	MFX-2855
MFX-2830	MFX-1430	F-305	MFX-2355
MFX-2050	F-560	MFX-1950	
MFX-1450	F-520	F-315	
F-565	MFX-1330	PCL550 (OP550)	

Important: You cannot update the firmware in the following situations:

1. The machine is transmitting
2. The machine is scanning
3. The machine is receiving
4. There are documents stored in memory
5. The back-up battery is not sufficiently charged

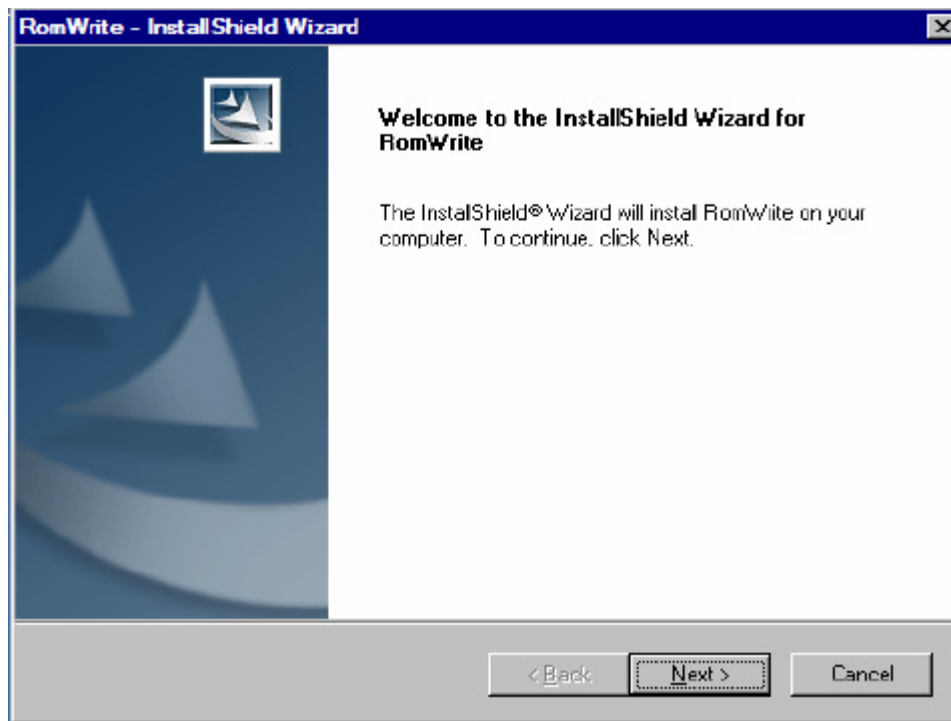
In that case, wait until the transmission, scanning, receiving or printing is completed or the documents stored in memory are transmitted or deleted. The machine must typically be powered on 24 – 48 hours for the battery to be sufficiently charged.

ROM Write Utility Installation

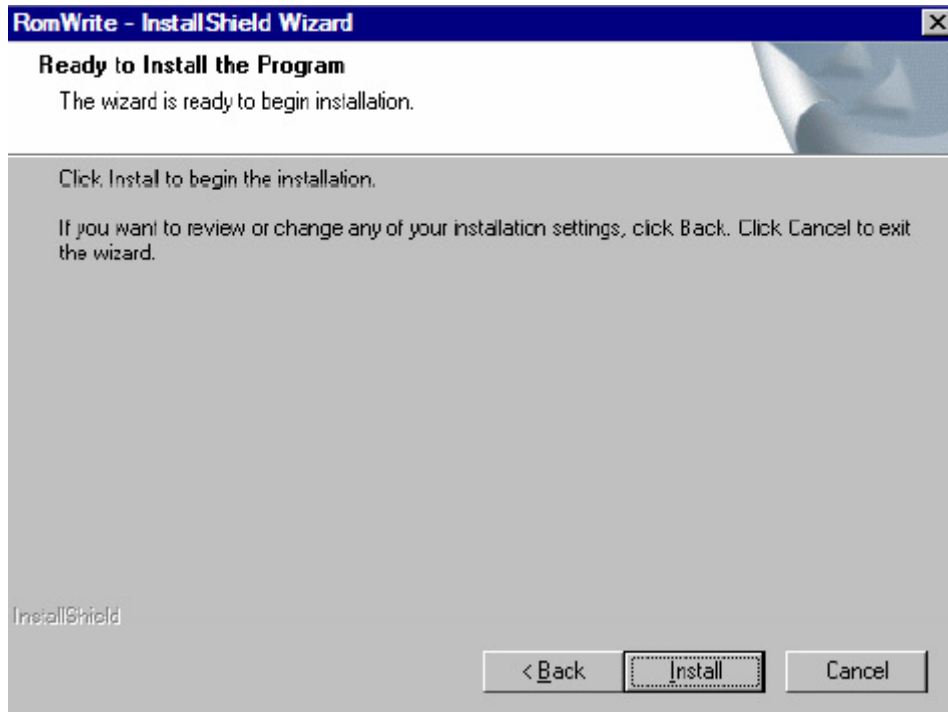
1. On the PC where the ROM Write utility was downloaded, double-click the RomWrite Setup.exe icon to start the Installer Program.



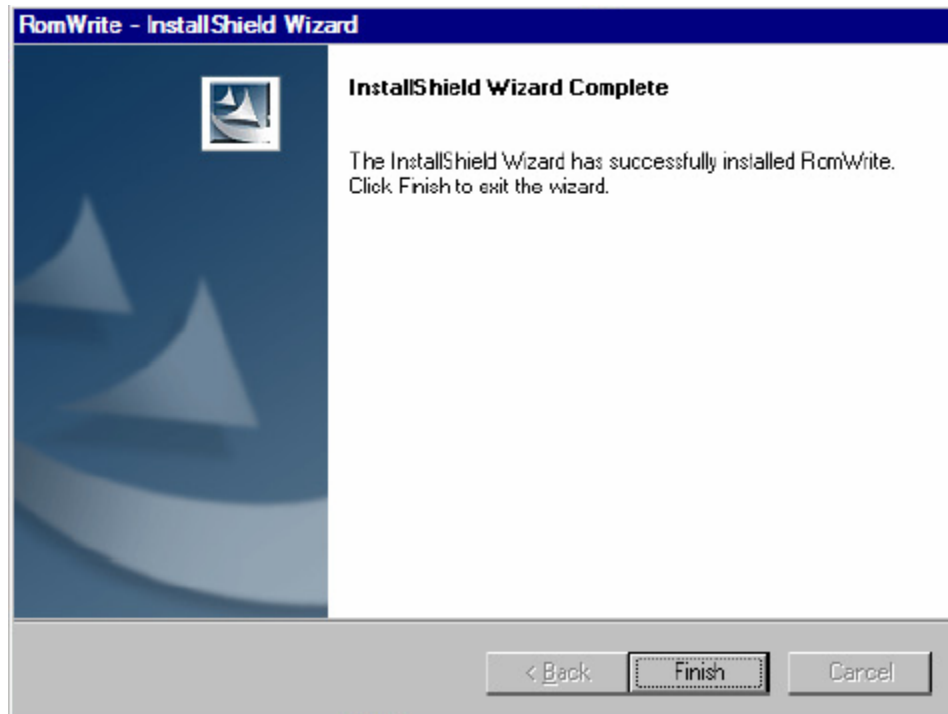
2. The InstallShield Wizard will start. Click on **Next**.



3. Click on **Install**.



4. When the installation is completed, click on **Finish**.

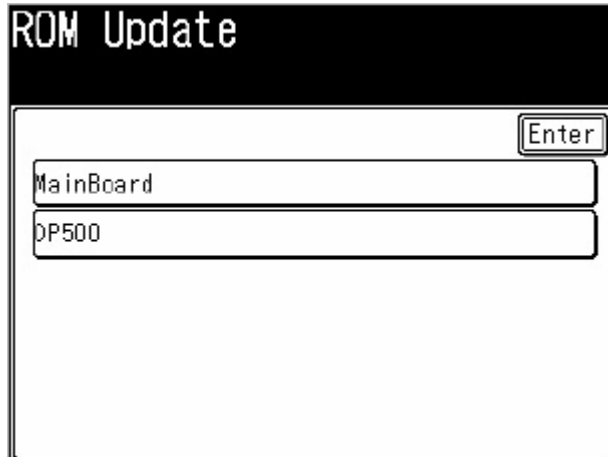


Installing the USB driver on the PC

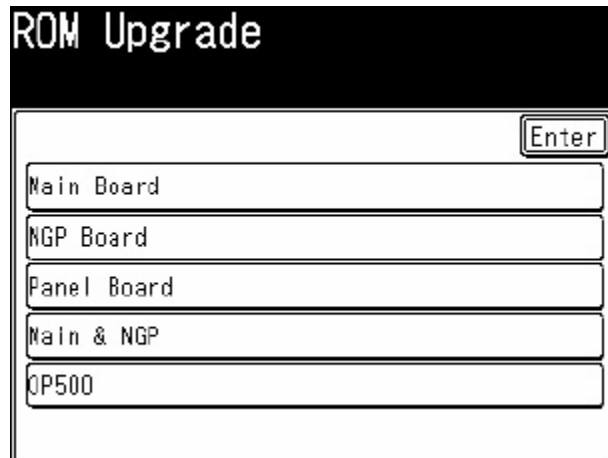
Installing the USB driver typically only needs to be performed on time. Once the USB driver is installed, the PC will not prompt you to install the USB driver.

1. At the machine, press **Settings, *, 9, 8** (or **Menu, *, 9, 8** depending on the model). The following screen will appear.

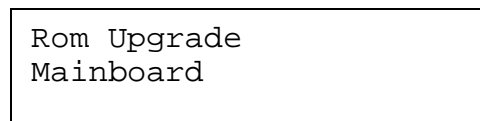
- **MFX-2850/2350/2830/2855/2355:**



- **MFX-2050/1450/F-565/F525, MFX-2030/1430/F-560/520:**

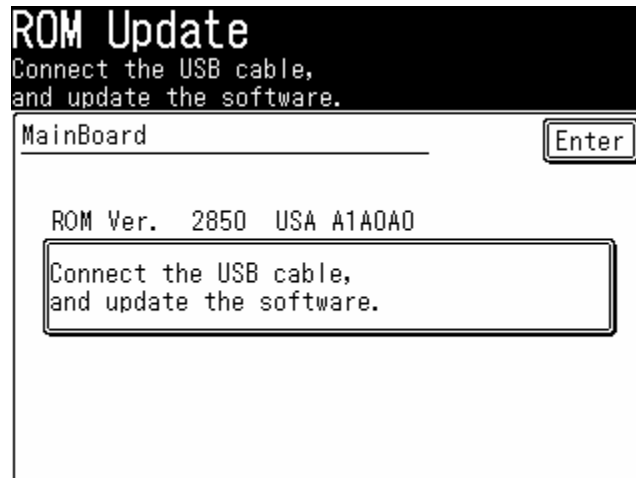


- **MFX-1350/F-305, MFX-1330/F-300, MFX-1950/F-305:**

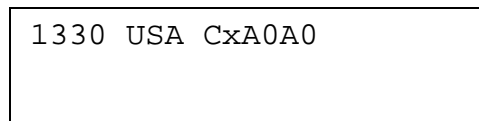


2. Select **Main Board** on the LCD screen. (On the MFX-13xx/F-30x, press **Enter**.) The following screen will appear.

- **MFX-2850/2350/2830/2855/2355, MFX-2050/1450/F-560/520, MFX-2030/1430/F-560/520:**

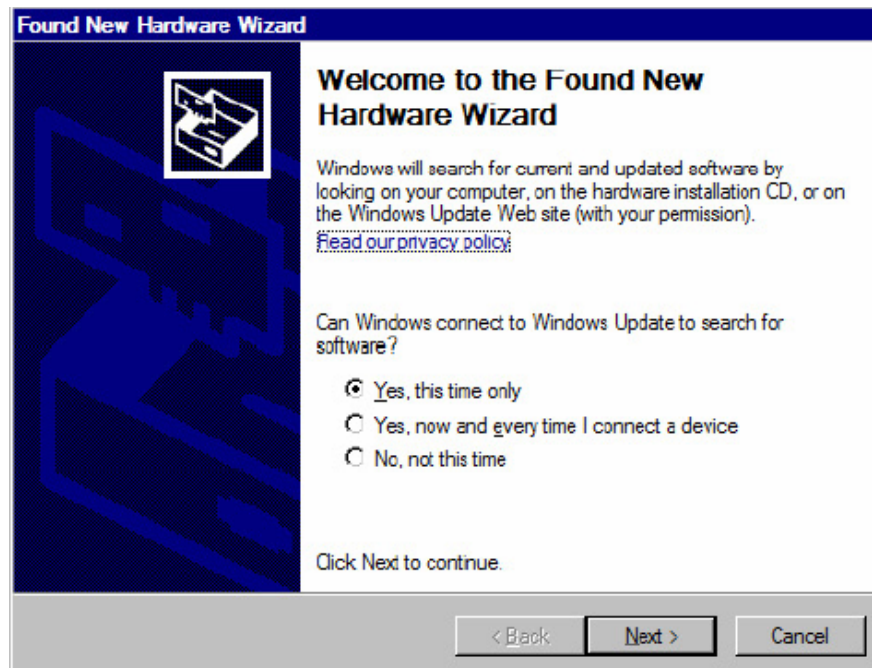


- **MFX-1350/F-305, MFX-1330/F-300, MFX-1950/F-315:**

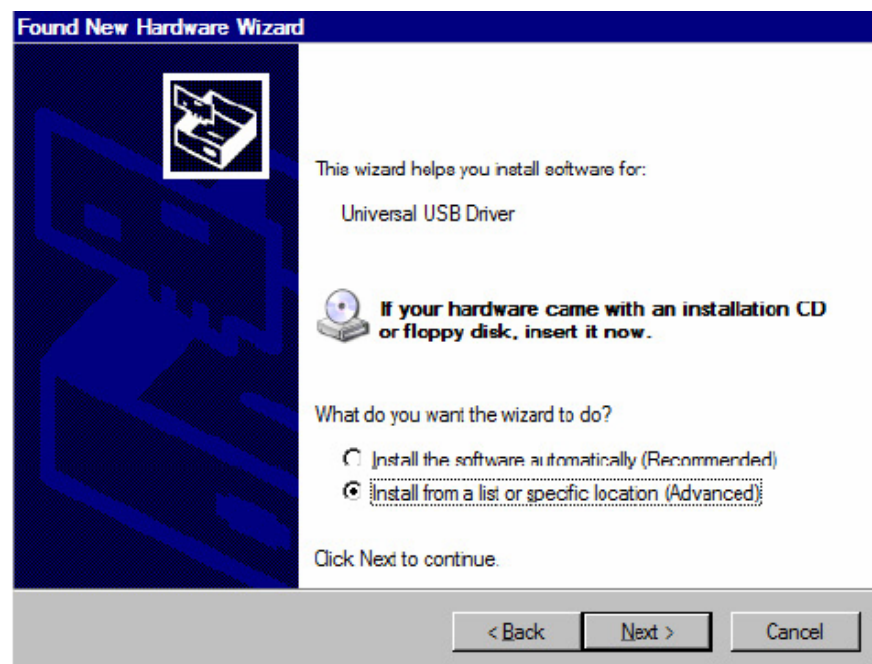


3. Connect the PC and the Muratec unit with a standard USB cable.
4. When using Windows 2000 and Windows XP, the new hardware is detected and the new hardware wizard will open. Windows will now require the installation of the USB driver. **NOTE:** The screens may differ slightly depending on the PC's operating system.

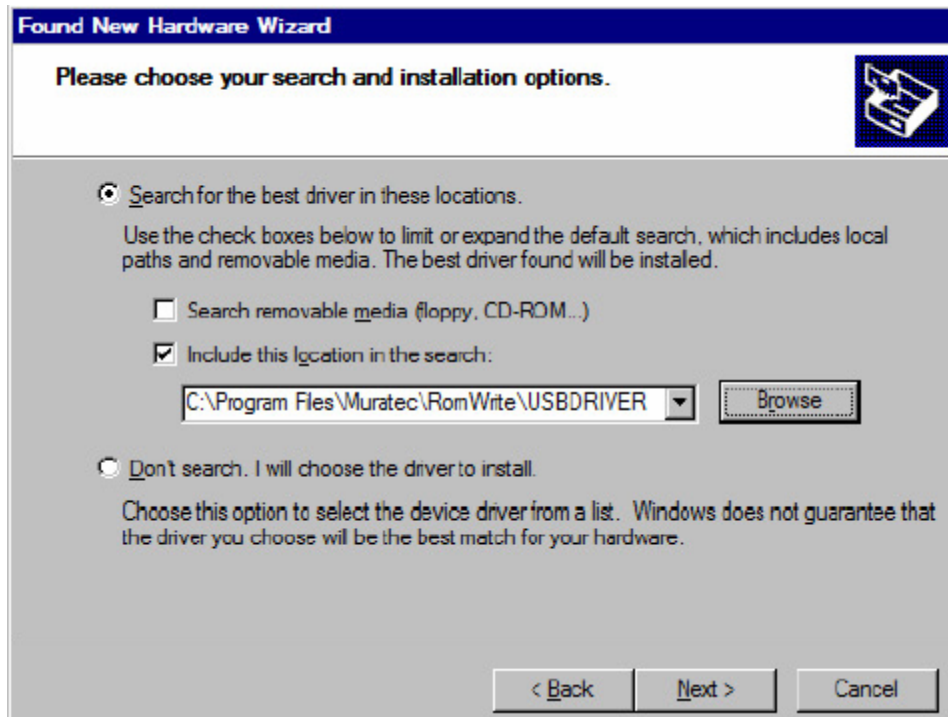
5. Select **Yes, this time only**. Then click on **Next**.



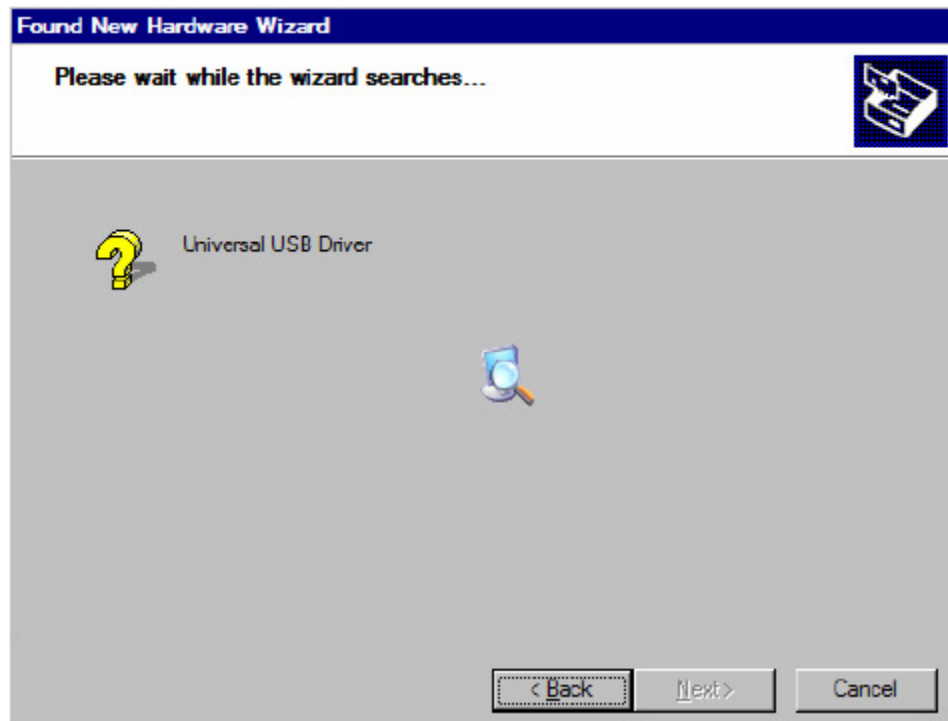
6. Select **Install from a list or specific location (Advanced)**. Then click on **Next**.



7. Select **Include this location in the search**. Browse to the location of the USB driver (C:\Program Files\Muratec\RomWrite\USBDRIVER). Click on **Next**.



8. The USB driver will be installed automatically.



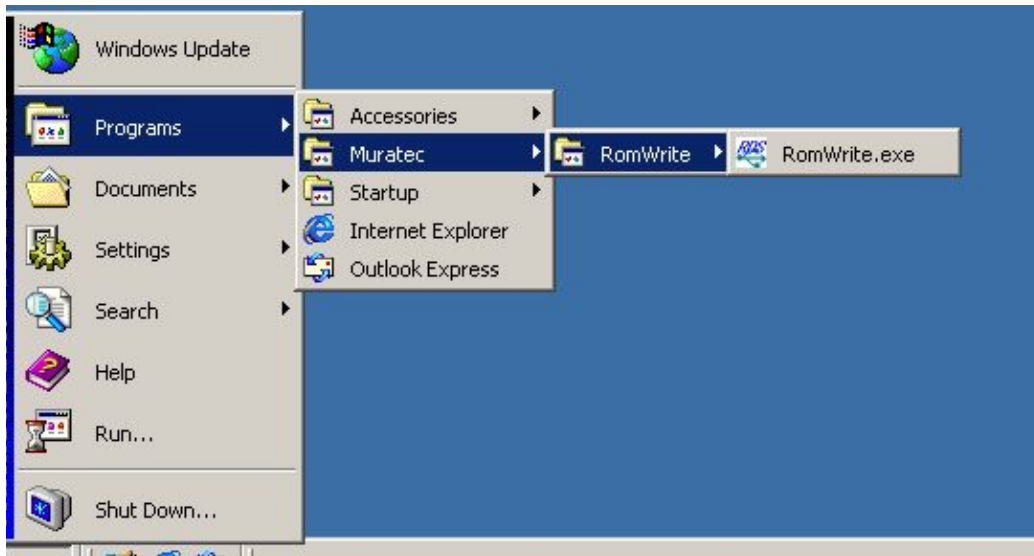
9. Click on **Finish**.



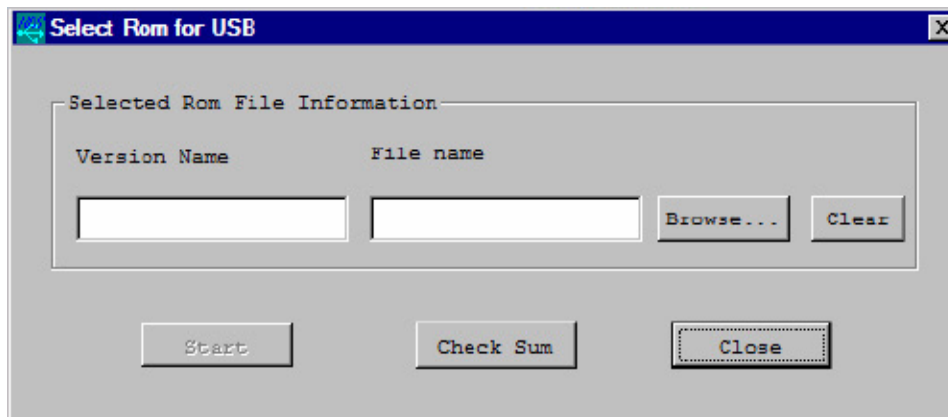
Updating the Firmware using ROM Write

The process of updating the Main Control Board and the PCL Print Option is basically the same, except choose **OP500 (or OP550)** in step 4 instead of **Main Board**.

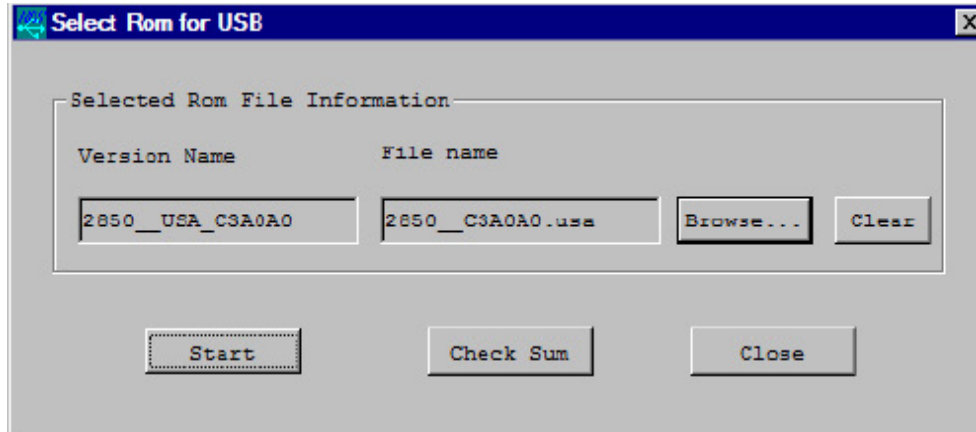
1. The RomWrite utility is registered in the All Programs menu.



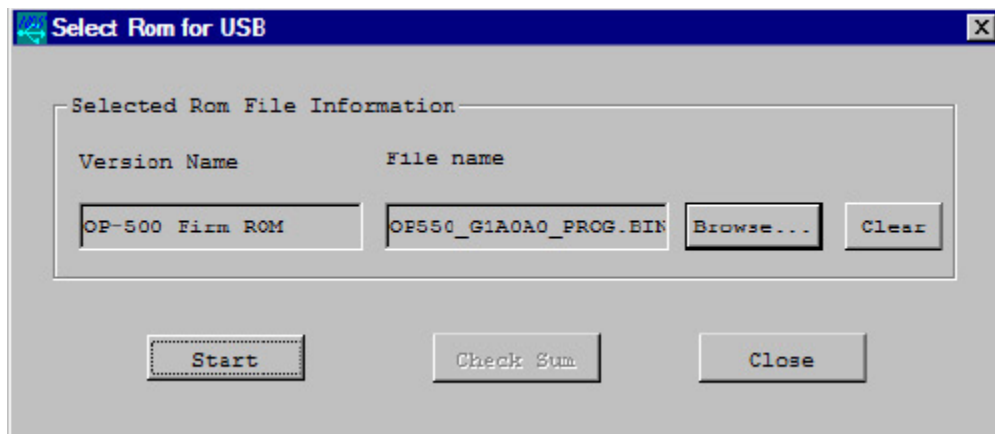
2. Select **RomWrite.exe** and open the ROM Write utility.



3. Click on **Browse** and select the flash file.



(Main Control Board Flash File)



(PCL Board Flash File)

4. At the machine, press **Settings, *, 9, 8**. (Or **Menu, *, 9, 8** depending on the model). The following screen will appear.

- **MFX-2850/2350/2830/2855/2355:**

The screen displays the title "ROM Update" in a black header bar. Below the header is a white rectangular area containing two input fields. The first field is labeled "MainBoard" and the second field is labeled "OP500". To the right of the input fields is a small button labeled "Enter".

- **MFX-2050/1450/F-565/525, MFX-2030/1430/F-560/520:**

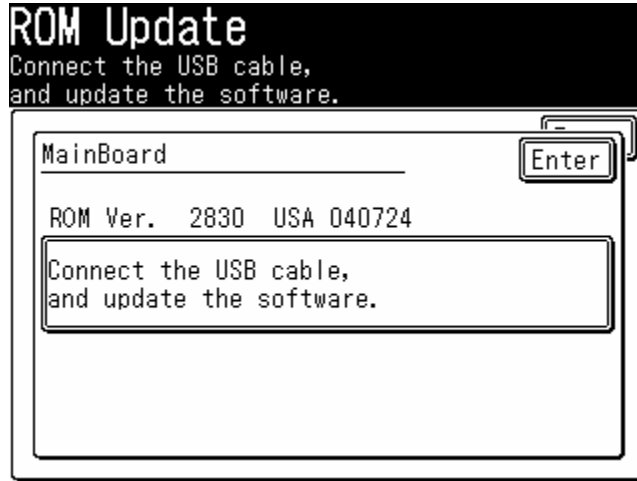
The screen displays the title "ROM Upgrade" in a black header bar. Below the header is a white rectangular area containing five input fields. The fields are labeled "Main Board", "NGP Board", "Panel Board", "Main & NGP", and "OP500". To the right of the input fields is a small button labeled "Enter".

- **MFX-1350/F-305, MFX-1330/F-300, MFX-1950/F-315:**

The screen displays the text "ROM Upgrade" on the first line and "Mainboard" on the second line within a white rectangular box.

5. Select **Main Board (or OP500)** on the LCD screen. (On the MFX-1330/F-300, press **Enter**.) Depending on the model, the following screen will appear.

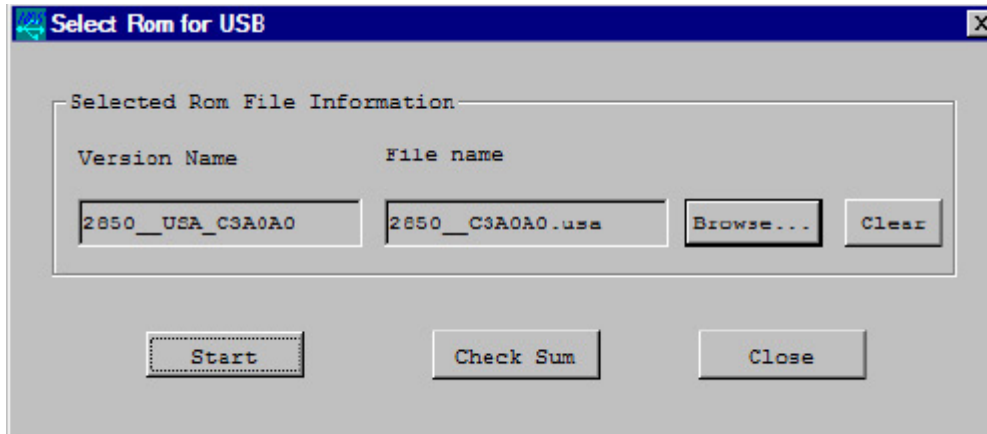
- **MFX-2850/2350/2830/2855/2355/2030/1430 and F-560/520:**



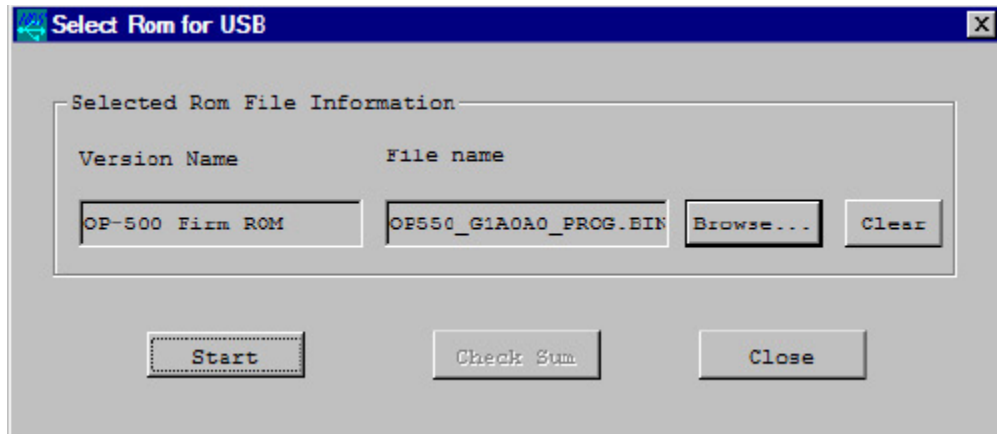
- **MFX-1350/F-305, MFX-1330/F-300, MFX-1950/F-315:**



6. Connect the computer and the Muratec unit with a standard USB cable.
7. Click on **Start**.

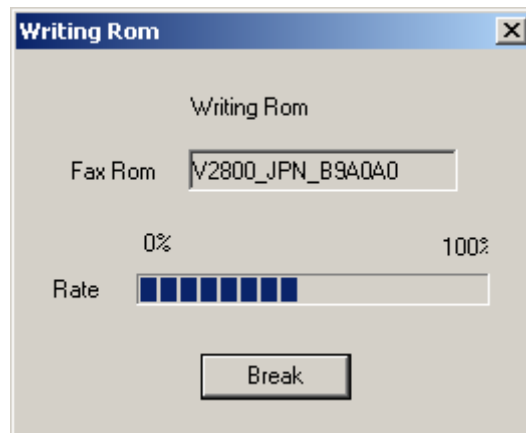


(Main Control Board Flash File)

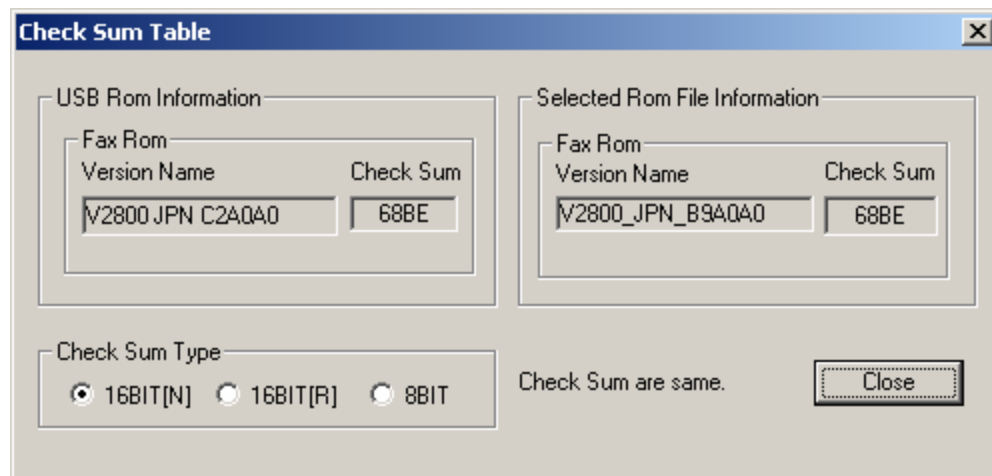


(PCL Board Flash File)

- The ROM file will begin to upload to the machine.



- When completed, the check-sum table will appear on the PC.
Note: If the check sums do not match, turn the unit off and restart the flashing procedure.



After the file is uploaded, the machine will automatically erase the existing firmware, write the new firmware and reboot itself. There is no further user intervention required. This process is displayed differently depending on the model. The USB cable may be disconnected at this point.

- **MFX-2850/2830/2350/2855/2355:** The unit will reboot and the splash screen will be displayed. The mode lights on the left will count downward to signify the firmware being erased. It will count back upward to signify the new firmware being written. It will then reboot and return to standby. This may take several minutes.
- **MFX-2050/1450, F-565/525 and MFX-2030/1430, F-560/520:** The unit will reboot and the display will be blank. The Energy Saving light will flash. This signifies the old firmware being erased and the new firmware being written. It will then reboot and return to standby. This may take several minutes.
- **MFX-1350/F-305, MFX-1330/F-300, MFX-1950/F-315:** All the control panel LEDs will light with the following in the display:

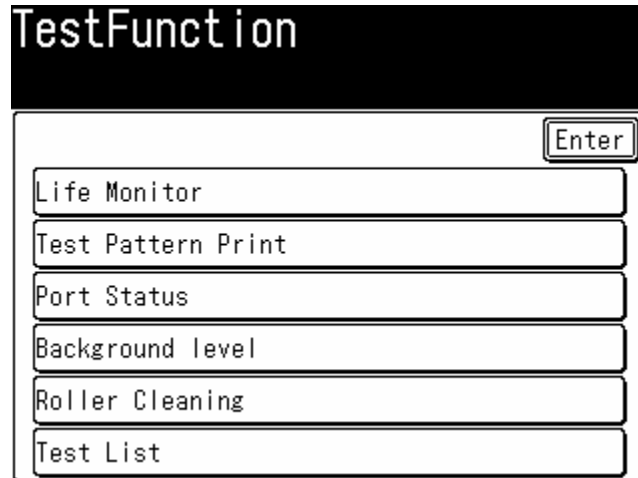
1330	USA	DxA0A0
Receiving		4096 KB

This signifies the old firmware being erased and the new firmware being written. The unit will then reboot and return to standby. This may take several minutes.

Do NOT turn the power off, under any circumstances! After uploading the file, the machine will finish the process by itself. If the flashing process does not follow the above process, please call technical support for additional advice.

Checking the Firmware Version

1. Press **Setting, *, 0, 9**. Select **Life Monitor** on the LCD screen. The firmware revision will be displayed.



2. On the MFX-1350/F-305, MFX-1330/F-300, and MFX-1950/F-315, press **Menu, *, 0, 9, Enter**.

No?

3. Press **0, 0** to display the firmware revision.

No?
0: 1330 USA E2A0A0



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