The first part of these instructions explains how to obtain and store the software update from the Miller website when using an SD card and SD card adapter. The second part explains how to load the software update into a Miller Dynasty welding machine.
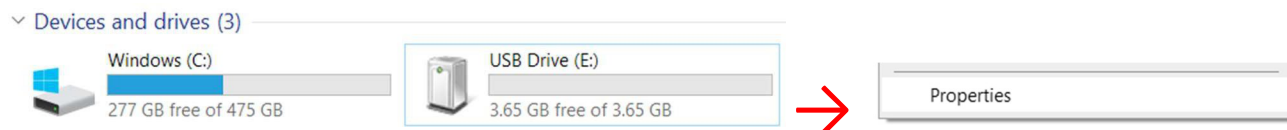
Part 1: Obtaining the Software Update

The following procedure uses File Explorer in Microsoft Windows 10. Other file-unzipping applications steps may be different.

1. Insert the **_blank full-size SD card_** (between 1GB and 32GB) and **_SD card adapter_** into an available port on the computer.
   - ❖ For machines with serial number prior to MG040221L, use a full-size SD card between 1GB and 8GB; else, order kit 274828 to expand SD card read capacity up to 32GB.

2. Press the Windows key to open the Start Menu, then start typing **_This PC_** and click on its icon when it appears to open *This PC* in File Explorer. Earlier Windows versions have *My Computer* instead of *This PC*.

3. Browse to *This PC*'s **_Devices and drives_** section, right-click on the inserted SD card (or SD card adapter location if using one), and right click on **_Properties_**.

4. If the file system <u>is</u> Fat32 or Fat, continue onto step 6. Else, continue onto step 5.

5. Complete these next few steps *only if* the USB Flash Drive's file system is **_exFAT_** or **_NTFS_**:
   - ❖ Right-click on the Drive and click on **_Format..._** in the pop-up menu.
   - ❖ In the window that opens, choose **_FAT32_** from the drop-down list, then click the Start button.
   - ❖ Click the **_Close_** button after formatting is complete.
   - ❖ Repeat steps 3 and 4 to verify the file system is now *FAT32*.
   - ❖ If *FAT32* isn't listed in the Format window, try using a smaller SD card (32GB or less).

6. Use a web browser and connect to the Millerwelds.com-Support-Software page:
   https://www.millerwelds.com/support/software

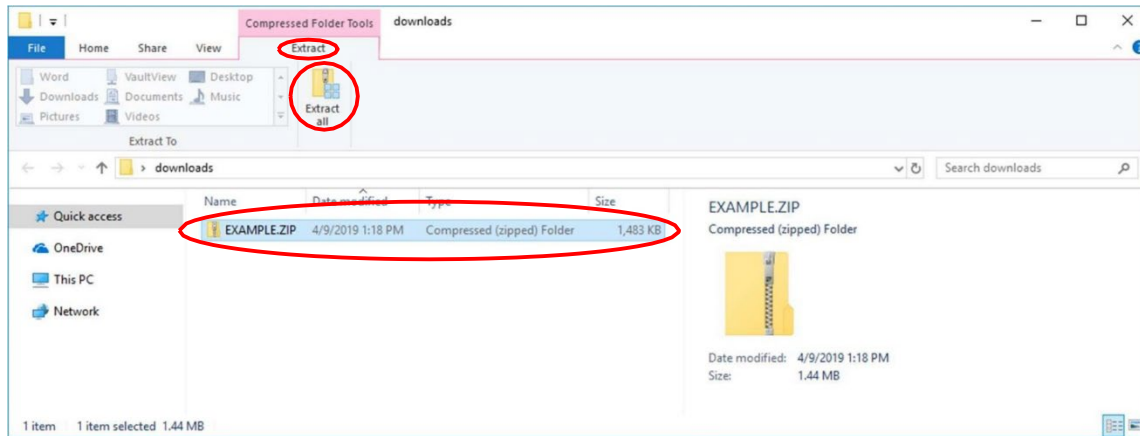7. Navigate to the TIG Software Update page.

8. Click on the **_Download Latest Software Update_** link and then click the **_Save_** button when it appears to save the file.
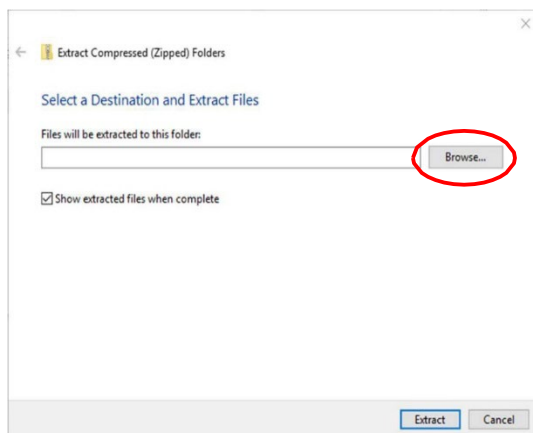

9. After download has completed, click the **_Open folder_** button to open the computer's **_Downloads_** folder.
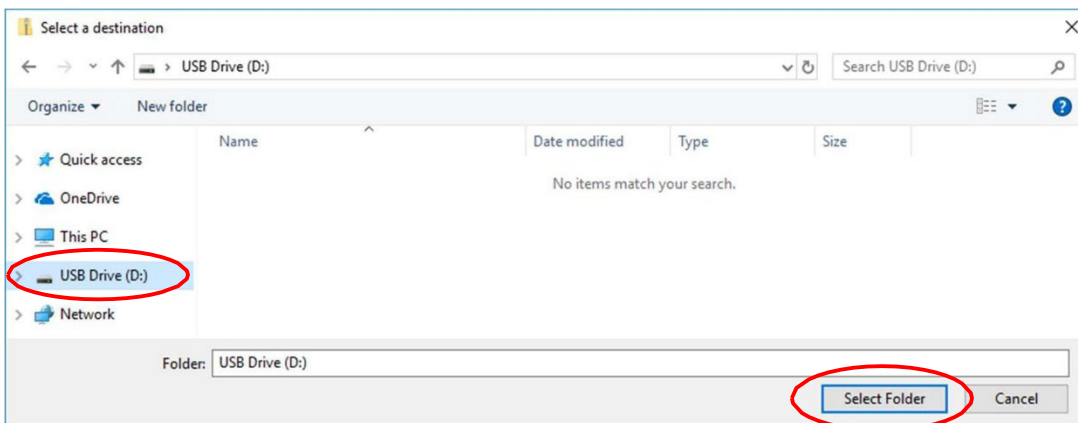

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10. Click on the downloaded **_ZIP_** file to select it.

11. Click the **_Extract_** tab under **_Compressed Folder Tools_**.

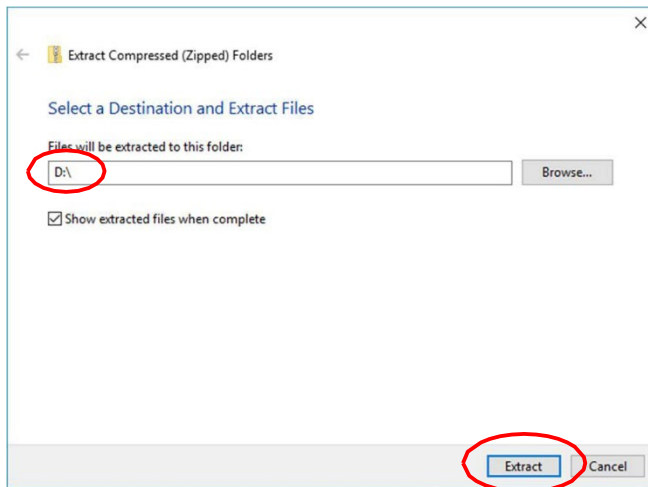12. Click the **_Extract all_** button.

13. The **_Select a Destination and Extract Files_** window will open. Click the **_Browse_** button.

14. The **_Select a Destination_** window will open. Choose the desired **_Drive_** and click the **_Select Folder_** button. The drive letter and description may vary.

15. The *Extract Compressed (Zipped) Folders* window will open. The selected drive will be shown. Click the ***Extract*** button. The extraction process will begin and take several seconds.

16. The ***Drive*** window will open after files have been successfully extracted to SD card.

17. Close any related windows that remain open.

18. Click on the ***Safely Remove Hardware and Eject Media*** icon near the right corner of the Windows Taskbar.

19. Click on ***Eject USB DISK***.

20. The computer will display ***Safe to Remove Hardware***.

21. Remove the ***SD card*** and ***SD card adapter*** from computer.

Part 2: Loading Software Update into the Machine

22. Power the machine on and wait approximately 10 seconds to ensure the machine has fully booted up. Insert the **_SD card_** into the Machine.

23. The LED below the SD card port will *flash* **green** to indicate it is updating. Do not remove the **_SD card_** or power from the machine during software update process. After the software update is complete, the LED will turn *solid* **green**, and the **_SD card_** can be removed from the machine.

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