Instructions for firmware upgrade

- Download the *flash_download_tools_v3.6.8.zip* file (either from our website or directly from the Espressif page <u>https://www.espressif.com/en/support/download/other-tools</u>), unzip it and put it in a folder of your choice.
- 2. Download the *CNC4FUN_Flash_Clone_V1.1.41.zip* file (or the latest available version) and unzip it.
- 3. Connect the ESP32 module to the PC through the USB port and wait until the driver has finished installing.
- 4. Run the *flash_download_tools_v3.6.8.exe* file.
- 5. Push the **"ESP32 DownloadTool"** button in the window that appears on your screen.



6. The firmware upload interface will appear. In the SPI MODE section, select the QIO option. Open the COM drop-down menu and select the port to which the ESP32 module is connected. Select the BAUD drop-down menu and choose 921600.

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Click the button shown here below and select the file to be uploaded (in this case the *CNC4FUN_Flash_Clone_V1.1.41.bin* file that you have just unzipped). Click on the empty field to the right of the @ sign and write 0. *Important: remember to put a 'check' mark on your* <u>selection, otherwise the file won't be programmed.</u>

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8. Keep the **Boot** button pressed on the **ESP32** module while you begin to upload the firmware with the **START** button. You can release the boot button once the green bar showing the upload status has appeared.

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9. Wait until the firmware has been uploaded completely. If everything has gone smoothly, the word **FINISH** will appear on the green panel.

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START	STOP ERASE COM: COM9 • BAUD: 921600 •		COM9 • 921600 •	

10. You can now disconnect the module from your PC and start using your CNC.