

# DOMAILLE ENGINEERING APM-HDC-5400 10" SCREEN

Update Domaille Software  
In your APM-HDC-5400 10" Screen

# Beginning Step Determination

In order to perform a software upgrade, a USB with the appropriate upgrade file is necessary.

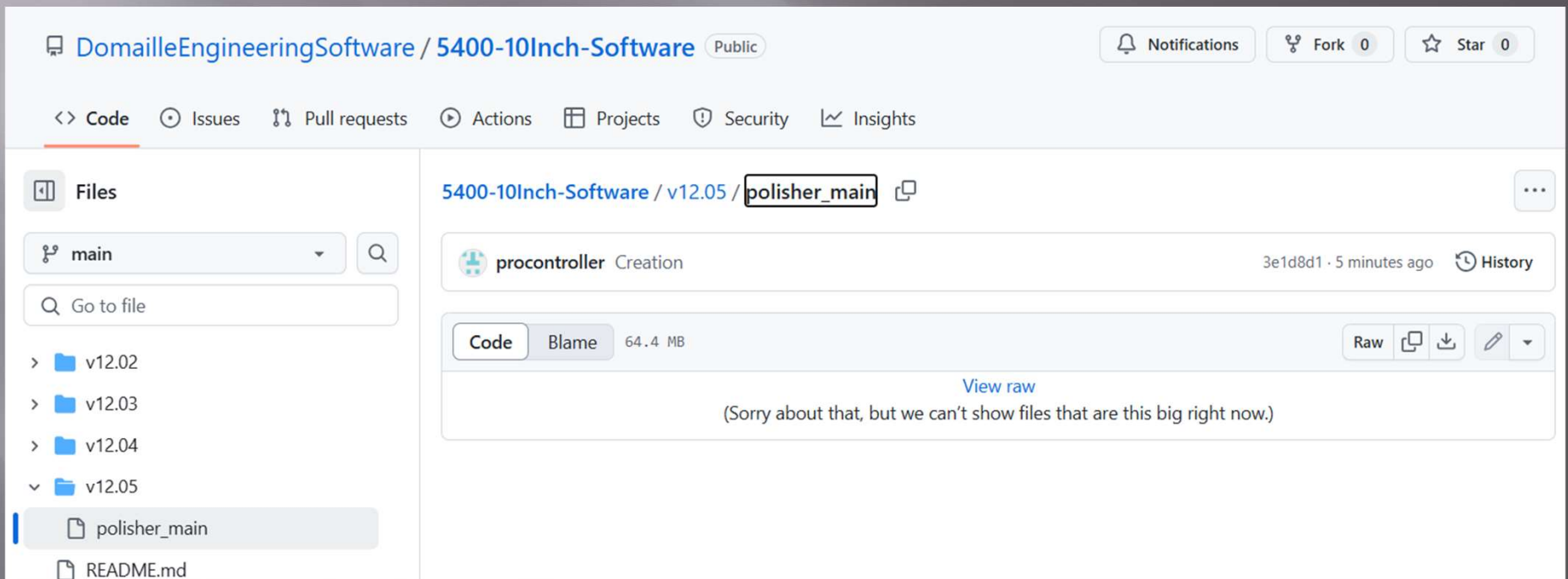
If you already have your USB with the correct software on it then you can skip to Step 7.

If not, begin the process to download your software on Step 1.

## Step 1

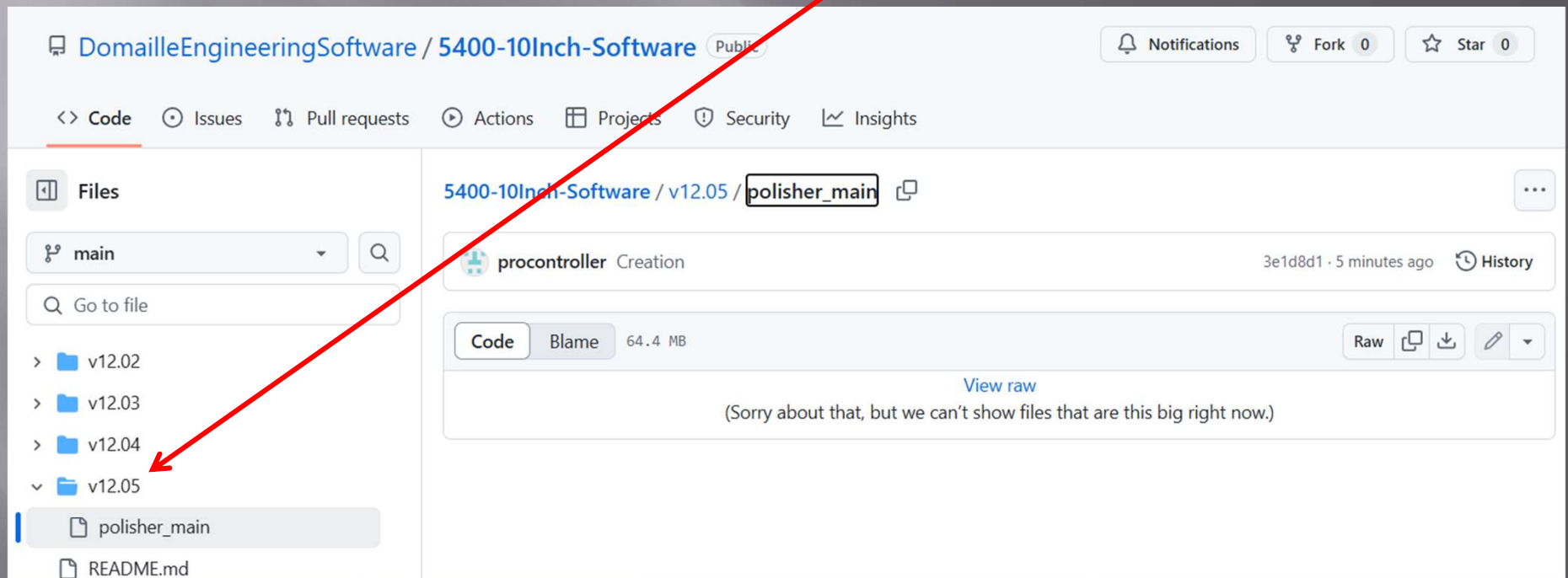
- ▣ Navigate to:

<https://github.com/DomailleEngineeringSoftware/5400-10Inch-Software>



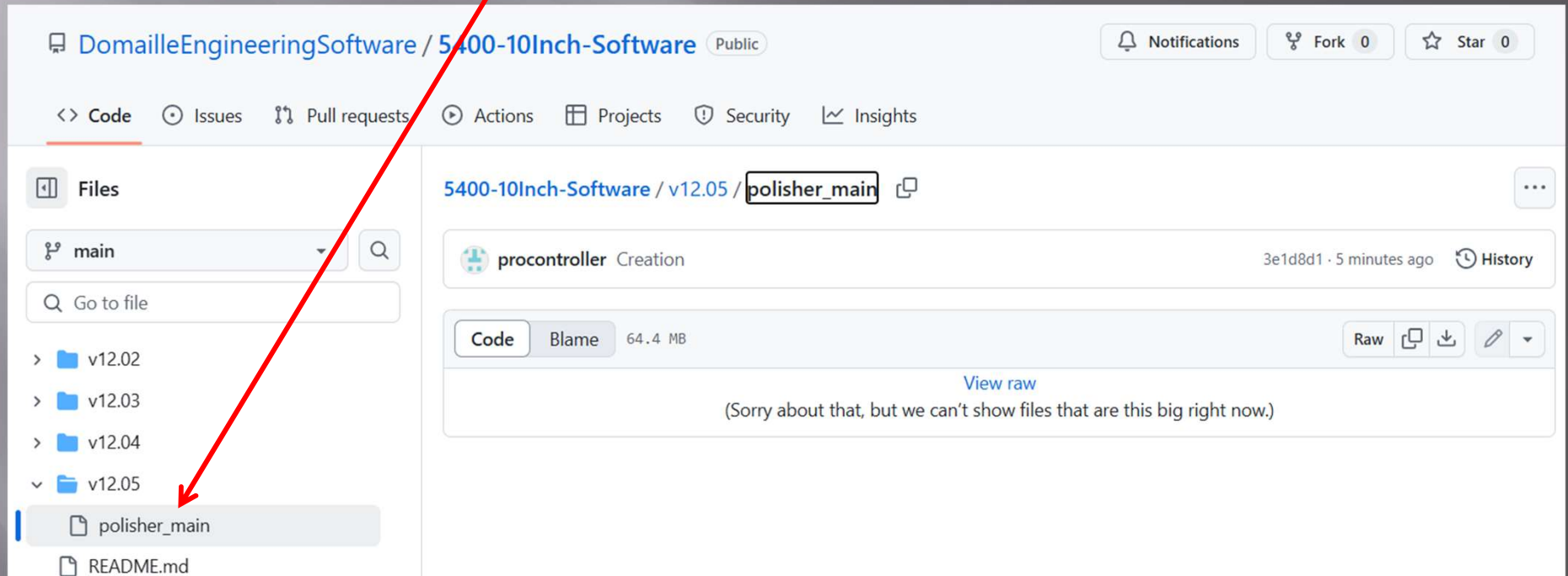
## Step 2

- ❑ Select the folder for the version of software you want. In this example, we'll use v12.05



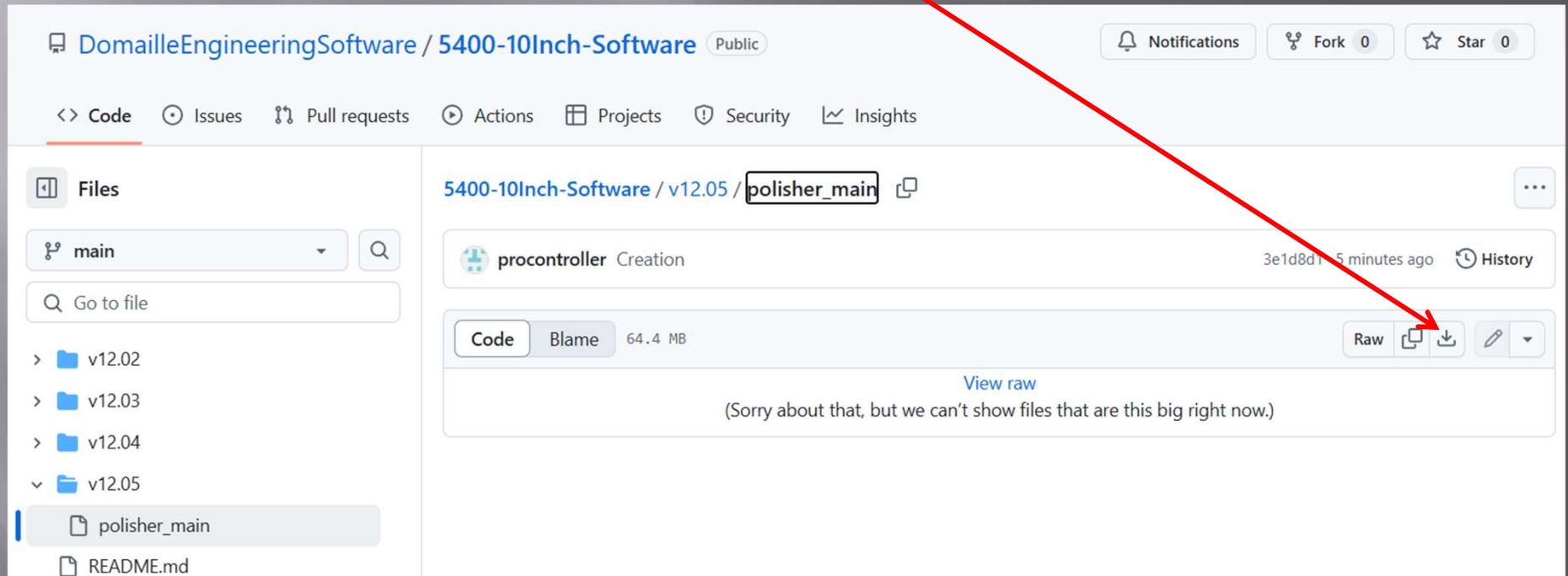
## Step 3

- ▣ Select the file “polisher\_main”



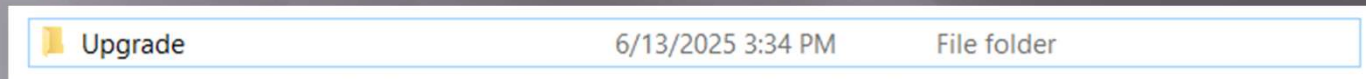
## Step 4

- Click the download button



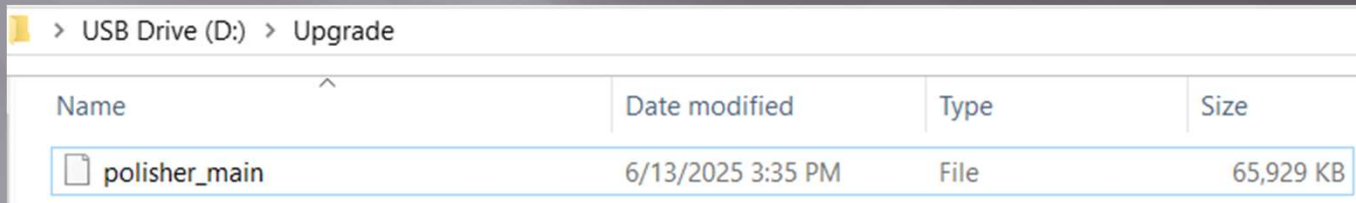
## Step 5

- ❑ Insert the USB into your system, create a folder in the root directory of the USB and name it “Upgrade”.



## Step 6

- Within this folder, add the downloaded “polisher\_main” from your downloads folder.



> USB Drive (D:) > Upgrade			
Name	Date modified	Type	Size
polisher_main	6/13/2025 3:35 PM	File	65,929 KB

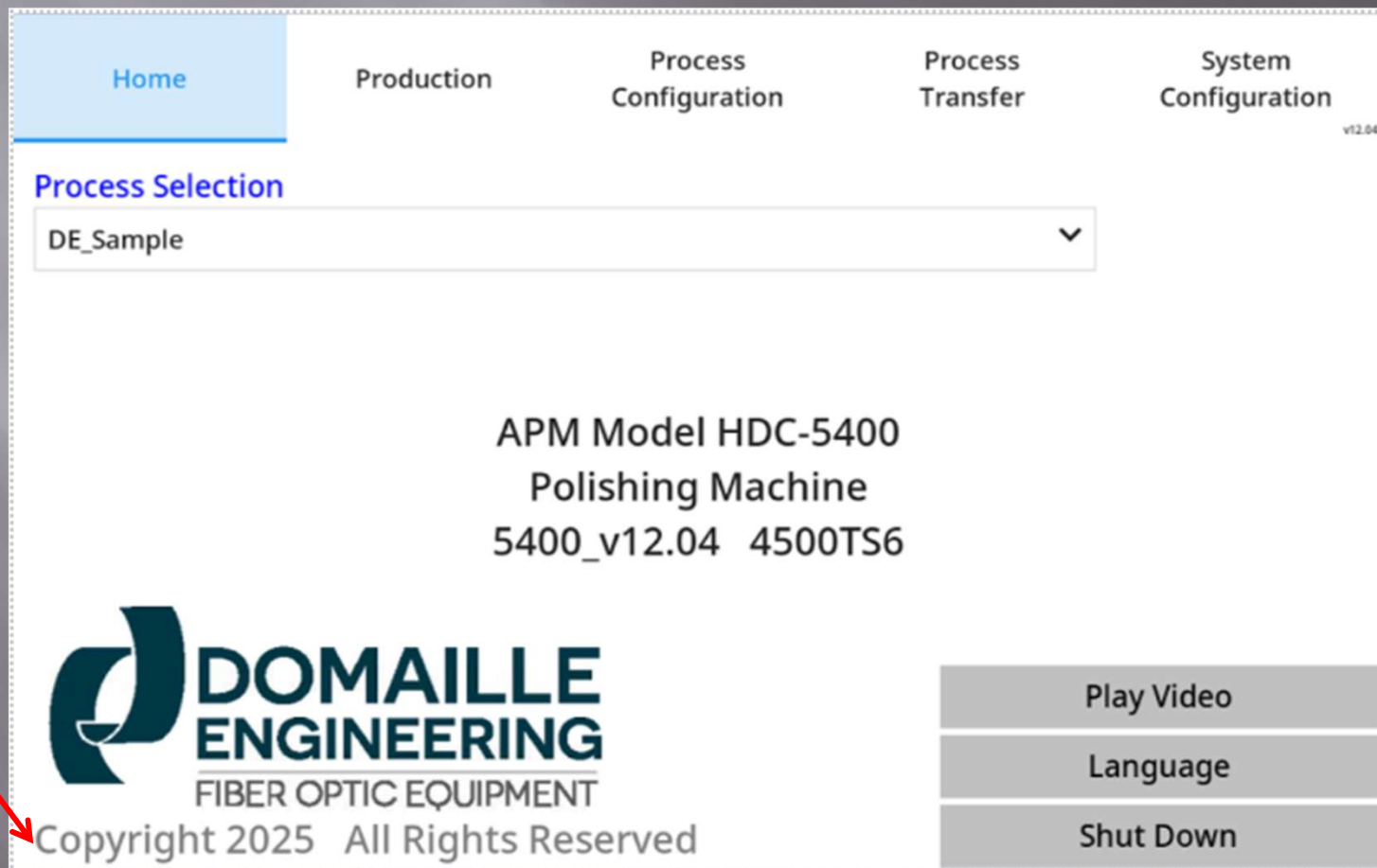
- The USB is now prepared for the polisher.

\*\*\*It is important to note that the folder must be named “Upgrade” and the file must be named “polisher\_main”, else the upgrade procedure will fail.\*\*\*



## Step 7

Navigate to the Home Screen. Clear all notification, warning or alarm windows. Hold the bottom-left corner of the screen for 5 seconds.



## Step 8

A window prompt will pop up for entering the password.  
Enter the password and select the “check mark” button.

The image shows two overlapping windows from the DOMAILLE ENGINEERING software. The background window is the 'System Configuration' page, and the foreground window is a 'MACHINE NOTIFICATIONS' password prompt.

**MACHINE NOTIFICATIONS**

Enter the system password

1234

Buttons: X (cancel), ✓ (confirm)

**DOMAILLE ENGINEERING**  
FIBER OPTIC EQUIPMENT  
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APM Model HDC-5400  
Polishing Machine  
5400\_v12.04 4500TS6

Play Video, Language, Shut Down

**System Configuration**

Home Production Process Configuration Process Transfer **System Configuration**

**Configuration**

User Rights and Settings

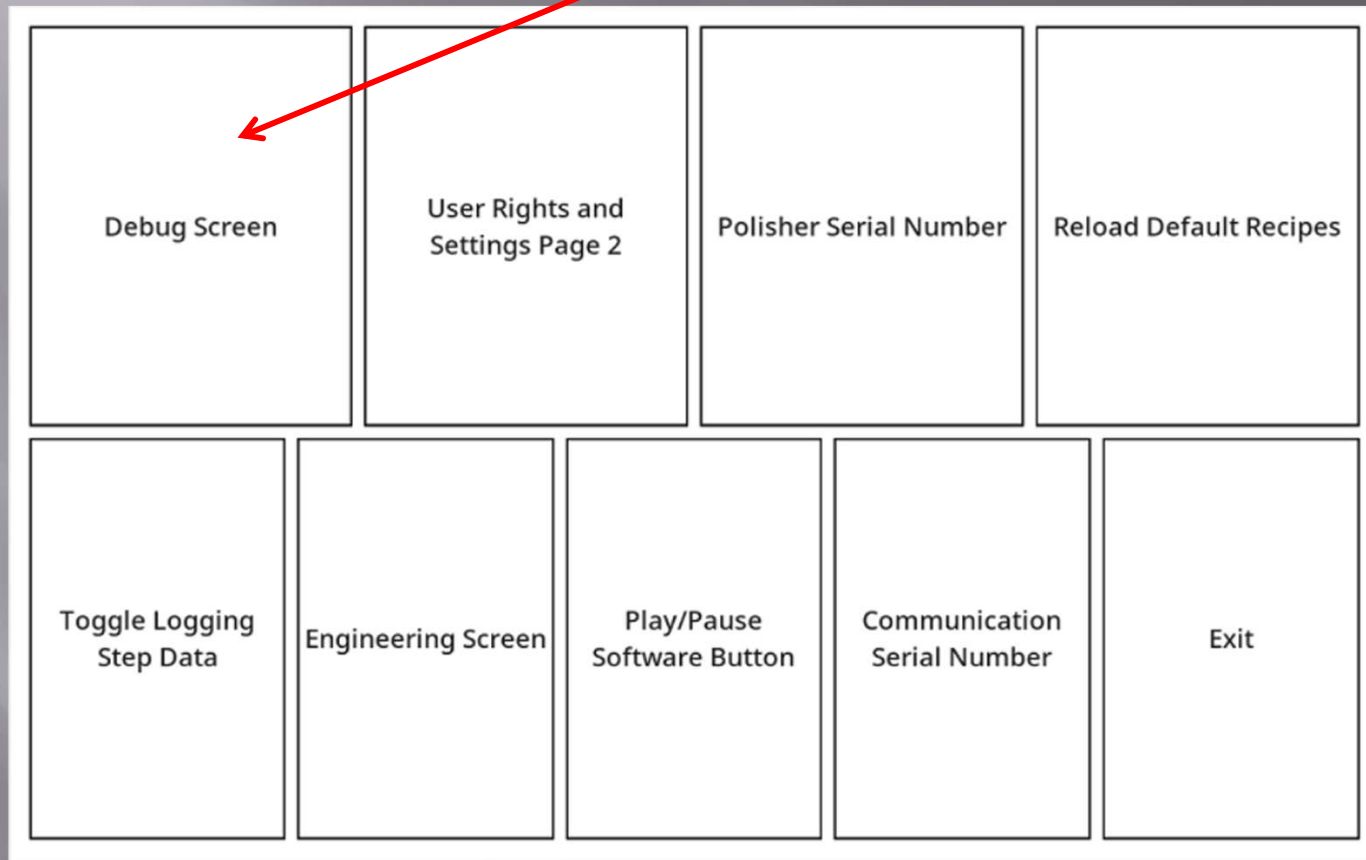
Setting	Status
✓ Password	1234
□ Air Sensor	Disable
□ Alarm Horn	Disable
□ Arm Sensor	Disable
✓ AutoCal	Enable
✓ Display Kg	Enable
✓ Film Counter	Enable
□ Film Counter Auto Reset	Disable
✓ Quantity Adjust	Enable
✓ Step Selection	Enable
✓ Video	Enable
□ Warning Horn	Disable
✓ Zero Speed	Enable

Legend: □ = Disable, ✓ = Enable

NOTE: the password you enter will be the same as what's listed in the User Rights and Settings drop down on the System Config tab (even if this password is not enabled on that page). If none has been entered, the default is 1234.

## Step 9

Select the “Debug Screen” button.



## Step 10

Select the “Exit to Desktop” button

The screenshot displays a complex industrial control interface titled "Debug Screen". At the top, a status bar shows the time as 15:31:47 on 04/30/2025, along with PCB and Micro-G versions (542.00). The interface is divided into several functional areas:

- Motor Control:** Includes a "Motor Speed" output (0 to 16250) set to 5000, a "Motor Enable" button, and a "Timer" section with "Enable" and "Motor Run Time" (30) buttons.
- Pressure Monitoring:** Features a "Reset Air Pressure" section with "Zero Scale", "Reset", and "Pressure Gauge" (-34.936 PSI) buttons.
- Data Management:** Contains a "Record Data to USB" button, a "System File Transfer" section (To USB, From USB), and a "Calibration Log Data" section (Copy to USB).
- Signal Conditioner Setup:** Shows "LoadCell" (0 to 32500) and "Pressure" (0 to 32500) settings. It includes fields for "LoadCell TareValue" (2000), "LoadCell FullScale" (30000), and "LoadCell Count" (18547). There are also "Setup Enable", "Output Enable", and "Air Pressure" (29000) buttons.
- IO Control Panel:** A large blue section with buttons for "DI" (Start, Pause, Reset, MCR Enable, Arm Down, L.P. Switch, Drive Fault, EPO, Home Flag, Flag Power), "DO" (Alarm Reset, Drive Brake, Drive Start, L.P. Valve, RED, GREEN, BLUE, Drive Reverse, Horn), "Analog In" (Reg FB Pressure, Inlet Air Pressure, OverArm Sensor, HMI IO CNTR), "Counter" (Motor Speed, IOWA IO CNTR), "Analog Out" (Motor, Regulator, Micro-G IO CNTR), and "Strain Gauge" (Load Cell, Excitation, ARM IO CNTR).

A red arrow points from the text "Select the 'Exit to Desktop' button" to the "Exit to Desktop" button located in the top right corner of the interface.

## Step 11

Plug in the USB containing the appropriate Domaille upgrade file on it into either left or right USB ports on the side of machine.



## Step 12

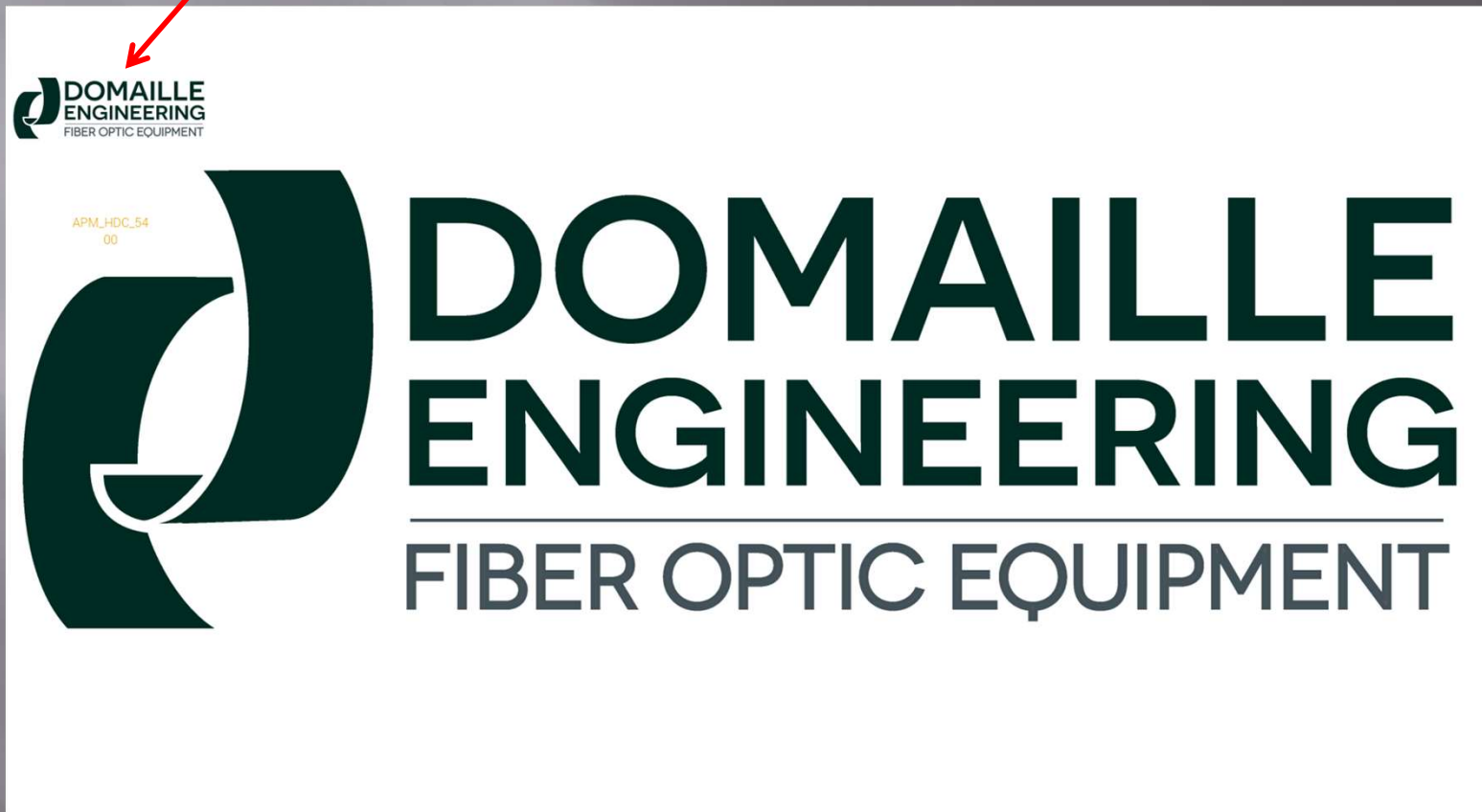
Wait 5 seconds for the USB to be automounted.



## Step 13

Single click the Domaille Logo icon on the top-left of the screen.

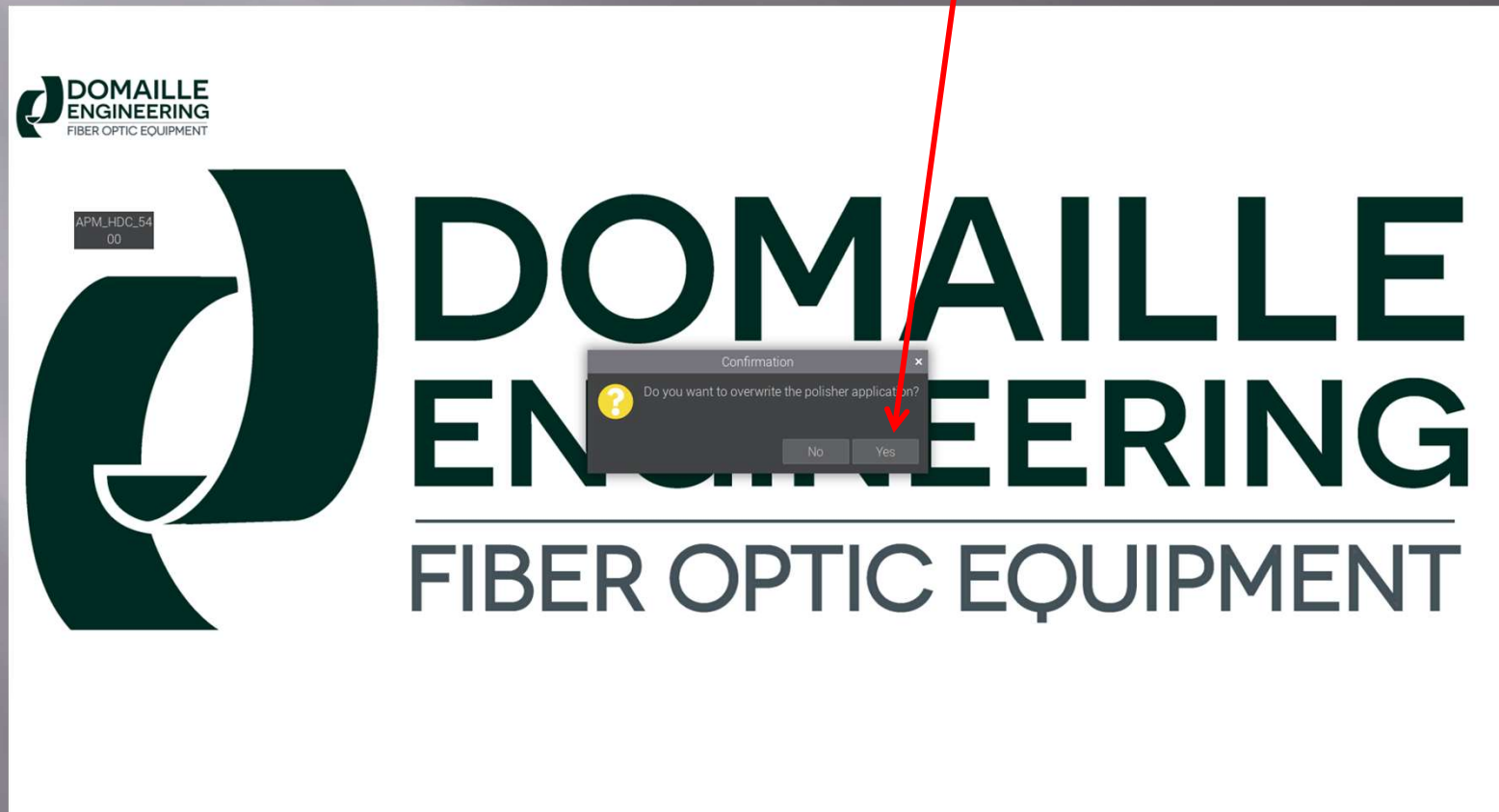
**DO NOT DOUBLE CLICK!**





## Step 14

After a few seconds, a prompt will pop up to overwrite the application. Hit Yes.



\*\*\*NOTE: IF THE PROMPT DOESN'T COME UP, THEN THE "polisher\_main" FILE WASN'T FOUND IN THE "Upgrade" FOLDER INSIDE THE ROOT DIRECTORY OF THE USB AND YOU WILL NEED TO START BACK FROM STEP 1.\*\*\*



## Step 15

After about 10 seconds, the upgrade will be completed, and the application will AutoStart and reload the Home Screen.



## Step 16

Remember to remove your USB Stick from the port.



Process Completed.