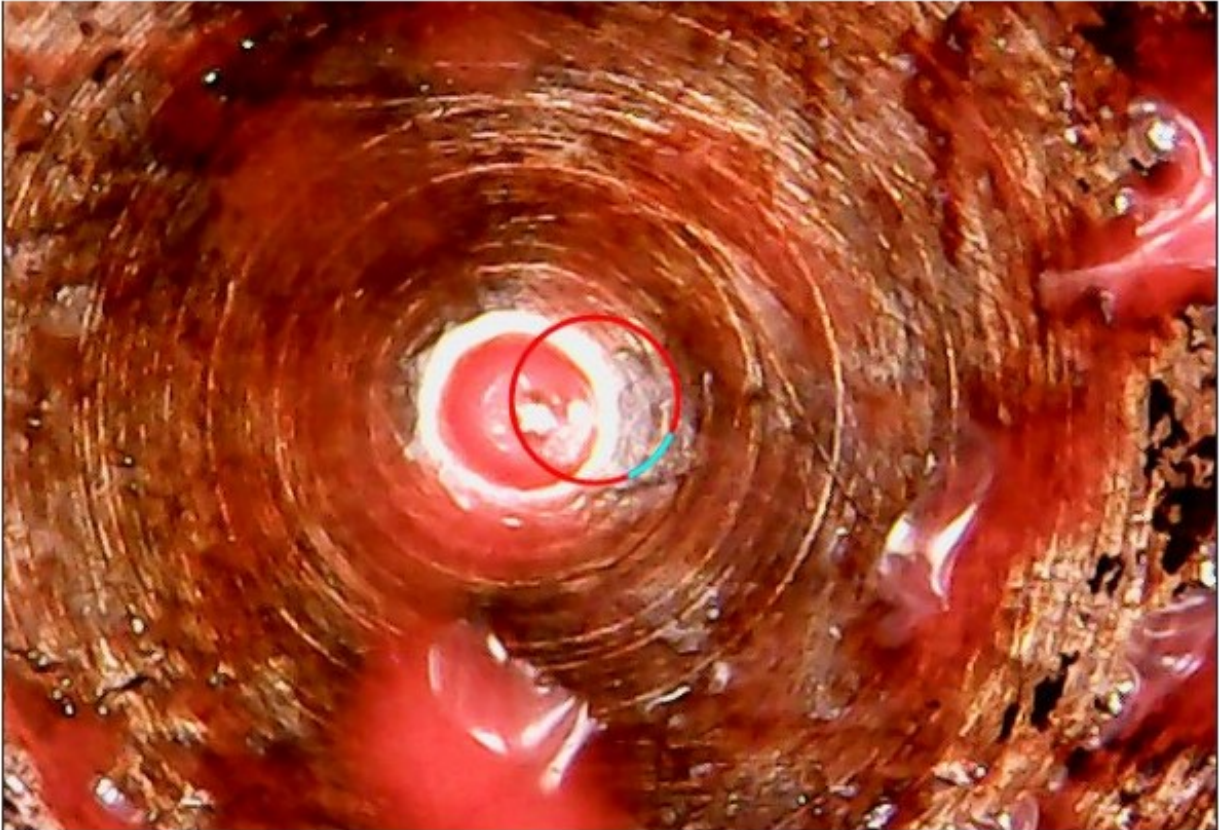


Octoprint plugin for Head Calibration (Repetier Firmware)

This plugin add a new tab in Octoprint

Temperature Control Terminal Timelapse History **Head Calibration**



X/Y	Z	Tool (E)	Tool 2 Adjustment
<input type="button" value="↑"/>	<input type="button" value="↑"/>	Select Tool... ▾	Extr.2 X-offset [steps] <input type="text" value="30"/>
<input type="button" value="←"/> <input type="button" value="↶"/> <input type="button" value="→"/>	<input type="button" value="↷"/> <input type="button" value="↓"/>		Extr.2 Y-offset [steps] <input type="text" value="30"/>
<input type="button" value="↓"/>	<input type="button" value="↓"/>		Your machine is Repetier Firmware based
<input type="button" value="0.1"/> <input type="button" value="1"/> <input type="button" value="10"/> <input type="button" value="100"/>		<input type="button" value="Load EEPROM"/> <input type="button" value="Save EEPROM"/>	

How it works :

User place a cheap USB Microscope (<20US\$) on the bed



Connect the microscope to the Raspberry Pi then :

1. Set Tool #1 (if tilting or moving head)
2. Adjust the **Tool #1 position** to the center with **X/Y Move button** and the focus with **Z Move button**
3. Set Tool #2 (if tilting or moving head)
4. Adjust the **Tool #2 position** to the center with **Extr.2 X-offset/ Y Offset Buttons**
5. Save

Dual Head printer is now calibrated and no need to adjust something in the Slicer. It is fast and very accurate.

If possible :

- Check the Firmware is a Repetier Firmware
- Draw a Circle or Cross on the center of the video (maybe not easy with the programming language, if impossible we can use a label sticked on the computer screen :-)
- Write in the EEPROM the Extr.2 X/Y Offset values directly after clicking on the Arrow, by this way the Head#2 moves to the new position

X Offset Steps

- Setup of the USB port for the microscope