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Anycubic Mega Pro running with LightBurn

How to use the Anycubic Mega Pro laser addon with LightBurn

OtiVuck

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This project was created on 12/09/2020 and last updated a year ago.

DESCRIPTION

The BMP file interface of the Anycubic is not so nice, so I watched out for another software and came up with LightBurn.
But Anycubic is not really supported, but I found a way to use it!

DETAILS

First install Lightburn

https://lightburnsoftware.com/

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2. Create a new device based on the "Marlin" firmware
3. Set space to 210x130
4. Use USB/Serial port (ttyUSB0)
5. Test the communication by pressing the Home Button in the "Laser" tab

Setup the Z-Axis setting

1. Go to the Device Settings
2. Enable Z axis
3. Enable Pointer Offset and set it to Y = 80
4. Add start GCocde "G1 Z50", this is the focus point of the laser

Setup Laser

The Anycubic uses special Laser commands to turn on the laser:

G6 S0 - 0% laser

G6 S100 - 100% laser

1. Device Settings using M106 M107 control commands
2. Set S-Value max to 100
3. save gcode file
4. Add a G4 P0 (wait 0) before each G6 command, otherwise the command will be executed directly when sent over serial.
5. Replace M106 with G6 in gcode file

6.
```
sed -i -e '/M106/i G4 P0' -e 's/M106/G6/' filename
```

7. Use "RunGCode" with the file, prepared to use with Anycubic

That's it. Would be nice when Lightburn would support the Anycubic Mega Pro from scratch, I think I would then buy the software, because it is neat. I will try some things the next days.

I created a page with lightburn settings:

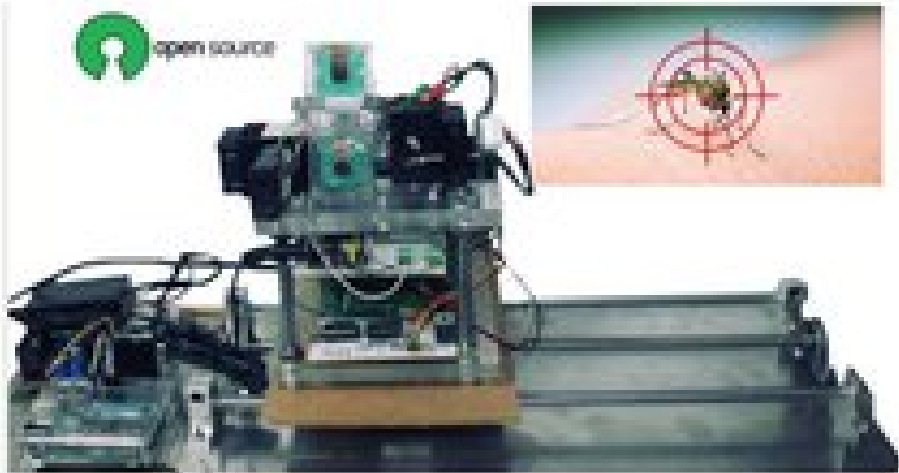https://hackaday.io/project/175659-use-anycubic-bmp-laser-with-inkscape

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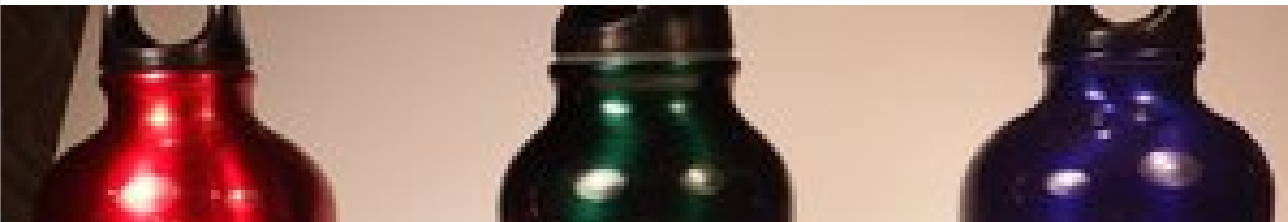Ok, I agree

DISCUSSIONS

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Juan Carlos Sandoval wrote 02/10/2022 at 20:07

Excellent Approach

eventwesley wrote 05/11/2021 at 10:36

bellissimo e interessante lavoro ...avresti il profilo delle impostazioni della Anycubic Mega Pro per lightburn?

Giusto per impostare la macchina con il software

carlosbaracudas wrote 12/14/2020 at 22:03

Hey OtiVuck, well done. There are a few things I don't unterstand how to do them as this whole thing with gcode is new for me. Is it possible you can contact me by PM?

Would be great.

___

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