For toggling 0.006/0.009 inches per pixel:

Toggle the number of divisions per inch on lines 80 and 81 in the PLED\_GUI code

In the microcontroller SP project, change the number of pulses per pixel to 8 for 0.006 pulses per pixel or 12 for 0.009 pulses per pixel.

In the microcontroller SP project, change the motor step duration to 5 for 0.006 pulses per pixel or 8 for 0.009 pulses per pixel.

In the microcontroller SP project, calibrate the burn duration in the engrave() function. Typical burn durations for 0.006 inches per pixel are:

22

13

10

9

7

5

4

3

Typical durations for 0.009 inches per pixel are:

30

18

15

13

10

8

5

3

To toggle between 3 bit and 8 bit grayscale:

In the PLED\_GUI code:

Open IngestImage.cs file. Comment out lines 89 and 92 for 8 bit grayscale.

On line 104, for 8 bit grayscale remove the division by 32. Otherwise leave it.

In the SerialToPc code: