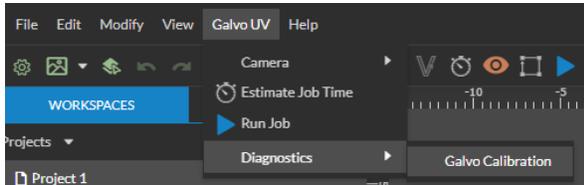
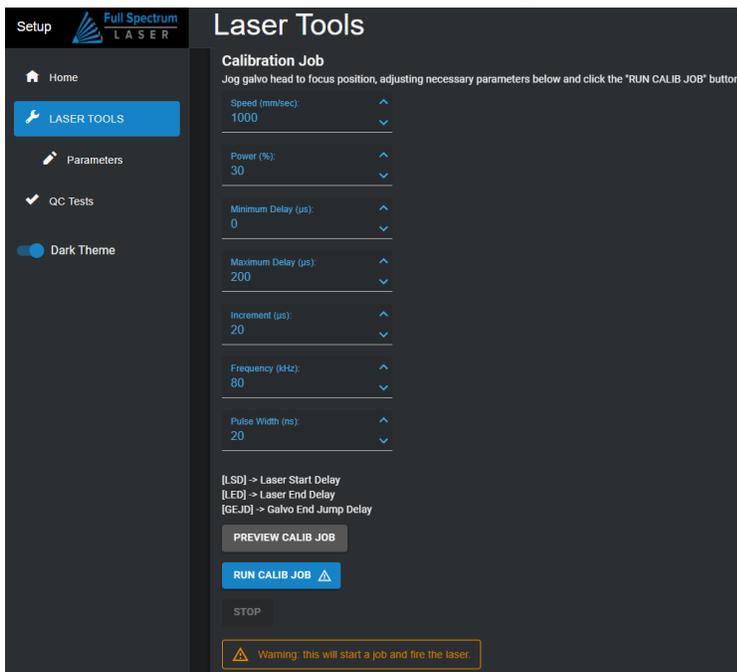


Galvo Laser Delay Calibration

Step 1. Access your galvo lasers calibration page by selecting the galvo tab in the top left, Diagnostics, then Galvo Calibration.



Step 2. On the left hand side of your screen we want to be sure we are on the Laser Tools menu and we can go ahead and scroll down until we reach Galvo Laser Delay under this section we want to locate the calibration job for this delay function.



-Note when running this job we want to be using a black aluminum business card for the best possible results.

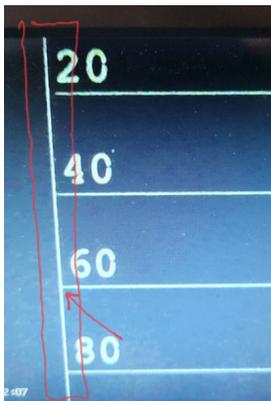
Step 3. Jog galvo head to focus position, adjusting necessary parameters and click the "RUN CALIB JOB" button. It will then generate the test pattern below.

LSD	LED	GEJD
0	0	0
20	20	20
40	40	40
60	60	60
80	80	80
100	100	100
120	120	120
140	140	140
160	160	160
180	180	180
200	200	200

Making Your Selections

Laser Start Delay "LSD"

Step 1. The first column we are going to want to take a look at is "LSD" Laser start delay. Under a microscope we are going to take a look at where the Laser starts and meets with the vertical line that makes up the box.



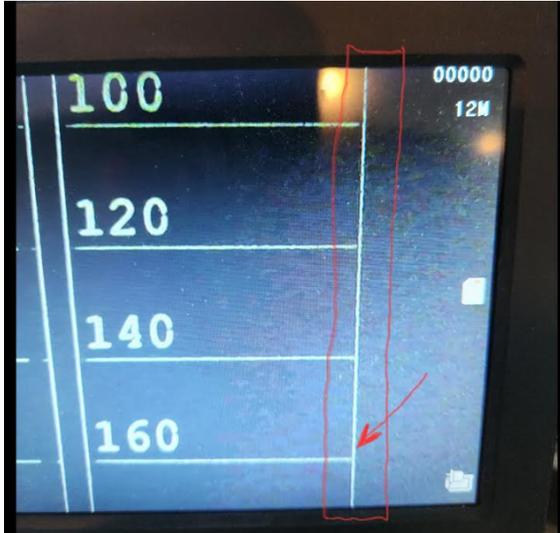
-Note we can see at 60 our horizontal line meets up perfectly with our vertical line with no overlap this is going to be a good choice for our results.

Laser End Delay "LED"

Step 2. The second column labeled as Laser End Delay "LED" should always be set to 0.

Galvo End Jump Delay “GEJD”

Step 3. The third column is going to be our Galvo End Jump Delay “GEJD”. In this column we are going to want to take a look at where the laser end on the vertical line and determine our selection.



-Note we can see at 160 our horizontal line meets up perfectly with our vertical line with no overlap this is going to be a good choice for our results.

Next we can input our final selections into the desired fields and select update. Then we are ready to start engraving.

Galvo Laser Delay

Parameters for Vector and Raster Jobs

[LSD] Laser Start Delay 0-2000 (us):
60

[LED] Laser End Delay 0-2000 (us):
0

[GEJD] Galvo End Jump Delay 0-2000 (us):
160

[Optional] Galvo Jump Delay 50-255 (us):
50

[Optional] Galvo vector jump speed (mm/s):
50

Update