Digital Fabrication Lab
Epilog Laser Introductory Guide

Learning Objectives

Starting in Fall 2025, the Digital Fabrication Lab will have eight new Epliog lasers.
This quick start guide gives you an overview of the new interface so you can be comfortable with the equipment before you come in.

At the end of this guide, you will be able to:

- Understand the core functions of the Epilog laser
- Identify the icons needed to navigate the Epilog laser
- Understand how to utilize the interface when it comes to sending and controlling laser jobs.

Table of Contents

Getting Started

The new Epilog lasers have a control panel, which allows you to control various aspects of the laser right from the machine.

Below the panel are the **stop/go button** and **joystick**
Joystick: Controls the laser assembly when in Jogging mode.

stop/go button: starts and stops your jobs at the laser. The ring around it will change colors depending on the machine's status. The next page will explain more.

Stop/Go Button

When you first power on the machine you will see activity from the **stop/go button**

Let's quickly go over the different statuses.

Homing: the machine is still powering on.
None of the functions are available until powering on is completed.
During this the LED on the **stop/go button will be purple.**

Idle: The machine is inactive and ready to run or resume a job.
The LED on the **stop/go button will be alternating between blue and green.**

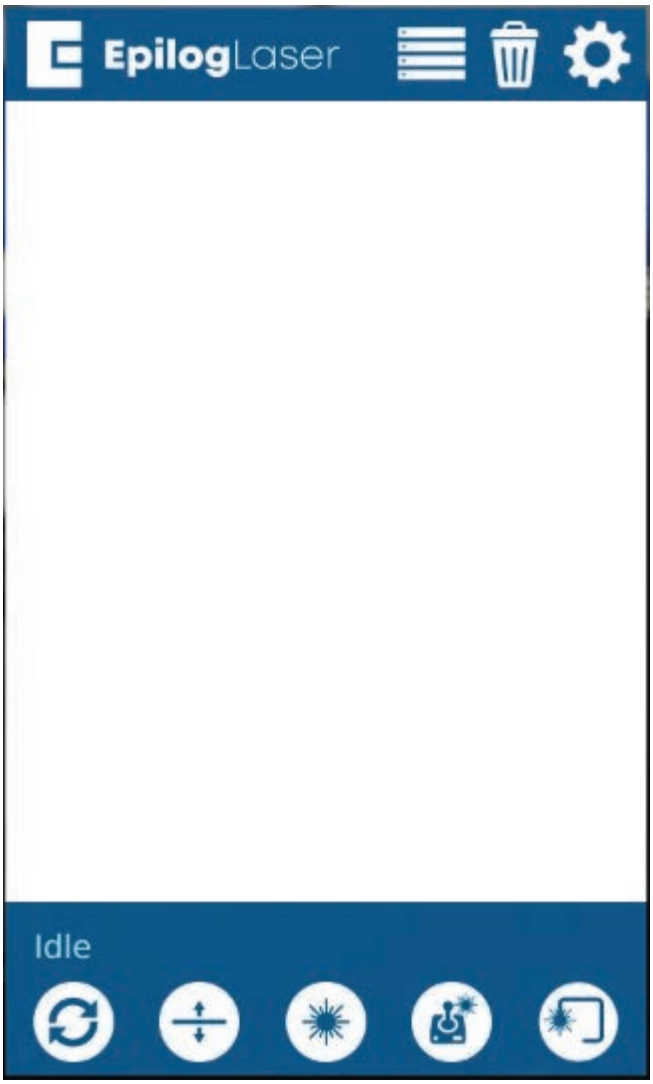
Running: A job is in progress.
The LED on the **stop/go button will be a steady green.**

Parking: The axis is returning to Home position.
The LED on the **stop/go button will be purple.**

Jogging: Jog mode is active. This means the joystick is active and can be used to move the laser assembly. The LED on the **stop/go button will be green**

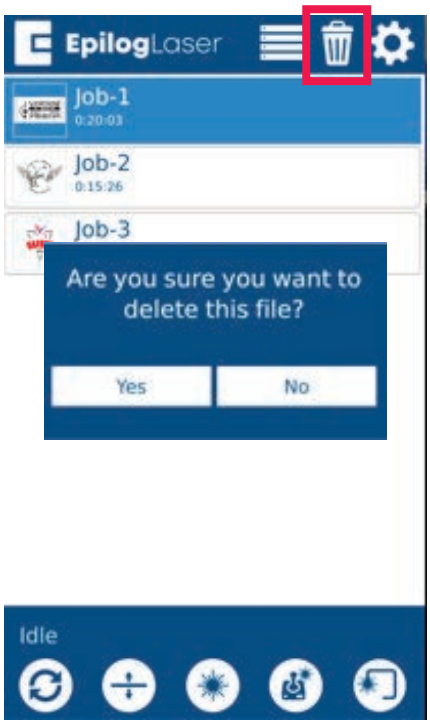
Job Menu

When the laser first boots up you will see the **Job Menu.**
This is where you will find a list of jobs that you have sent to the machine.
The job name is the same as the file name that you have sent to the laser.
When the job you want to run has been selected, it will be highlighed in blue.

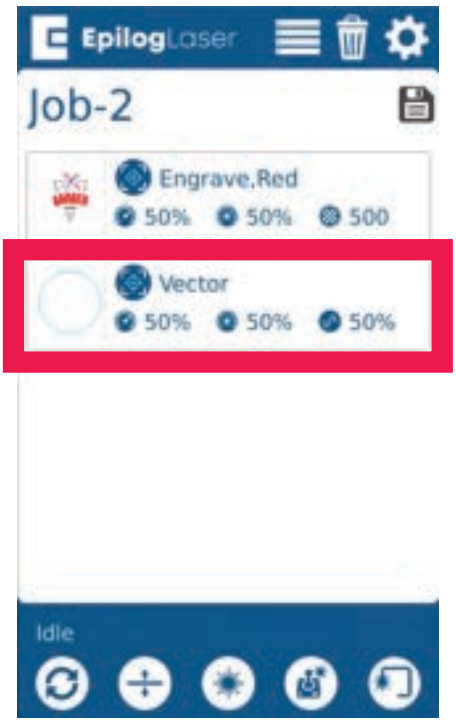


The **Job Menu** contains the **Main Buttons** that are used to control the laser.
The two at the top of the screen are the **Job Menu** and **Delete.**

To delete a job from the list, select the job and press the **Delete** icon at the top of the screen.

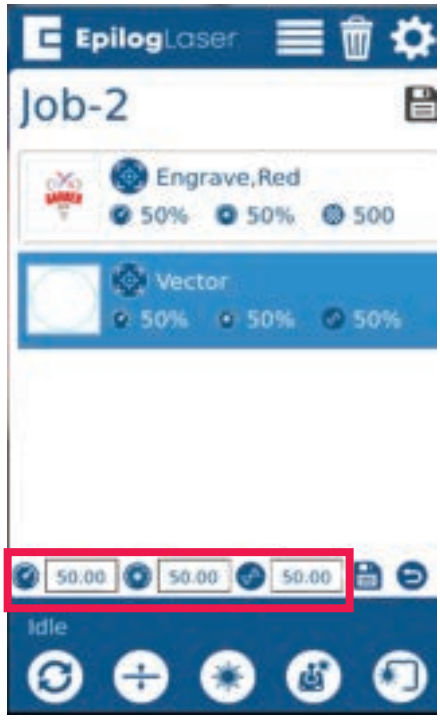


The **Job Menu** also allows you to edit each job's settings before running the job.



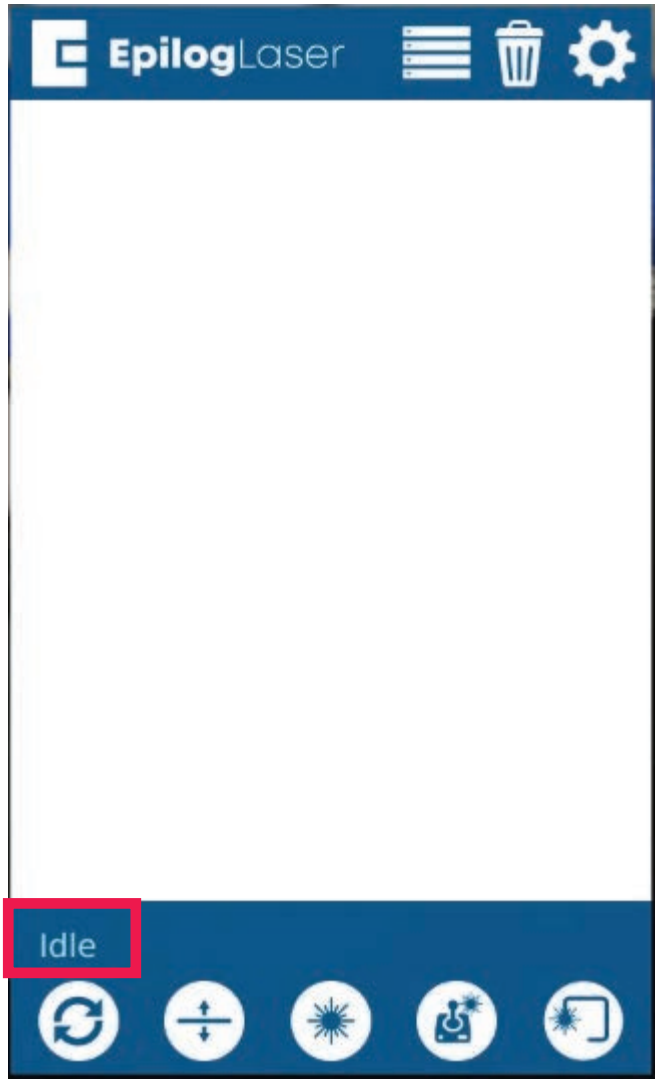
Long press on a job you want to edit,

then tap on the process you want to edit.



Input the new settings and press ok.
To save the settings press the **Save** icon.

The **Job Menu** also has a status indicator at the bottom left corner of the screen, which displays the current status of the machine.



Homing status: indicates the machine is still powering on, and none of the functions will be avaliable until powering on is complete.

Idle status: indicates the machine is currently inactive and ready to run a job

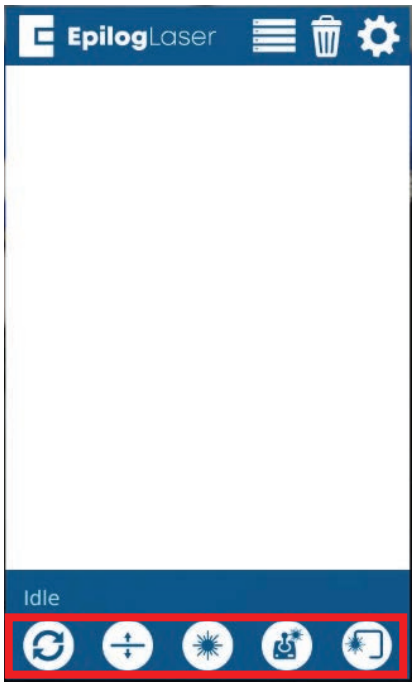
Running status: indicates that a job is currently in progress.

Parking status: indicates that the laser head is returning to the Home position.

Jogging status: indicates that **Jog Mode** is active and the joystick can be used to move the laser head to a specific location over the bed.

Main Buttons

Lets take a look at the buttons on the bottom of the control panel display.

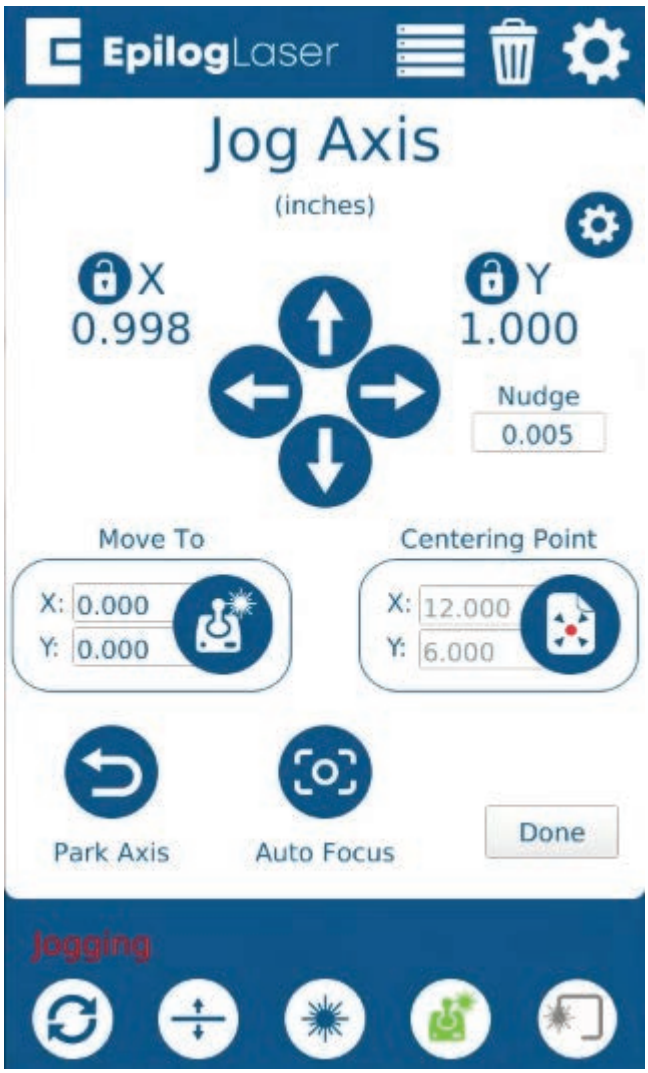


Reset: pressing this button will move the laser head back to it's home position.

Focus: pressing this button takes you to the Focus Menu. This menu allows you to manually set the bed to the correct height. With the Focus Button highlighted you can adjust the bed using either the joystick, nudge arrows or entering a precise height.

Red Dot Pointer: pressing this button turns on and off the red dot pointer.

Jog: pressing this button takes you to the **Jog Menu.** This menu allows you to control the X and Y axis positions of the laser head. You can change the position by using either the joystick, nudge arrows, or entering the precise coordinates.



Trace: pressing this button before starting a job will have the laser head do a trace of your design.