

# Muse Titan Quick-Start Guide

# Safety Guidelines

The following safety guidelines are meant to highlight the most common safety violations. Use of controls or procedures other than those specified may result in hazardous radiation exposure, fires, or electric shock. Please see your laser's manual for a complete listing of safety protocol.

## General Safety

- **Never** Leave laser unattended while running.
- **Always** keep machine on a clean, level, and open workspace free of clutter; that is classified to hold its weight.

## Fire Safety

- **Keep** laser system and workspace clear and clean of debris.
- **Make sure** you have a 5lb or larger fire extinguisher outside of risk area. Full Spectrum Laser recommends Halotron extinguishers for ease of cleanup. Dry chemical extinguishers are also effective.
- **Keep** a first aid kit outside of risk area designed for burn and smoke inhalation treatment.

## Laser Safety

- **Never** cut unknown material, always check MSDS for any hazards.
- **Always** have proper ventilation and exhaust
- **Do not** look directly into the beam.
- **Be Aware** that modification or disassembly can expose a Class 4 laser system or high voltages which can increase the risk of harm or fire.

## Electrical Safety

- **Power Cut Off** can be controlled from the switch at the back of the machine. To power on press the (-) side down, to power off press the (o) side down. You can also unplug the machine from either the rear or it's outlet.
- **Do not** make or break any electrical connections when the unit is powered on.
- **Do not** access or tamper with any electronics unless specifically directed to by support.

For Complete Manual go to: [fslaser.com/resources/](http://fslaser.com/resources/)

## A. Machine Assembly

When moving the unit make sure you have a lifting partner as the laser system is over 150lbs. Lifting straps are provided.

Place the Titan unit on a sturdy table and remove the zipties from the belts.

Attach the ducting collar using the flange bolts.

Secure one of the ducting tubes to the collar and the exhaust fan, while the other is secured from the exhaust fan to your choice of ventilation.

Attach each of the water hoses to the water in and out cones on the Chiller. Connect the tubing to the Titan (**In to Out, Out to In**).

Attach the air tubing to the air out hose on the Air Compressor and to the Air Control on the Titan.

Fill the Chiller with 1 gallon of Distilled water. It's recommended to run the water for 1min before starting to clear the tube of air bubbles.

Connect the power cable. Power on laser.

## B. Connecting to the Laser

You can connect to your laser in 3 different ways.

### Wi-Fi Connection

Connect the Wi-Fi USB Adapter to the USB port on the right side of your machine. From the touchscreen navigate to the network menu and look for your Wi-Fi. Follow the prompts to connect.

### Networked Ethernet

Connect the Ethernet cable to the back of your router/modem. If it isn't near your laser workspace you may want to obtain an ethernet cable of appropriate length. Connect the other end to the ethernet port on the right side of your machine.

### Direct Connect Ethernet

Connect the Ethernet cable to the port on the right side of the machine. Connect the other end to the ethernet port on your computer. Some computers may require an Ethernet to USB adapter.

Once you've got a connection method, go to the touchscreen on your laser. At the top will be a blue bar with your network type and a number similar to 000.000.0.00. Open a browser and input that in the URL bar to access RE3 to control your laser.

## C. Starting your First Project

Here are things to keep in mind when running your first project.

### 1. What material do you want to use?

The material chosen will determine the types of projects one can do. Some materials cannot be cut with this machine. *\*Refer to manual for list of useable materials\**

### 2. What type of design will you use?

With the material chosen, you can start thinking about the design. Keep in mind that your design might need to be adjusted to get the best result.

### 3. Align your material for engraving.

The Muse has a perimeter tool that can be used to center your engraving on your material. Keep in mind what image you are using when centering.

### 4. Raster or Vector?

Adjusting the raster and vector properties will depend on the type of image selected and the type or marking you're trying to get. Text and lined images are better as vectors, while pictures are generally raster.

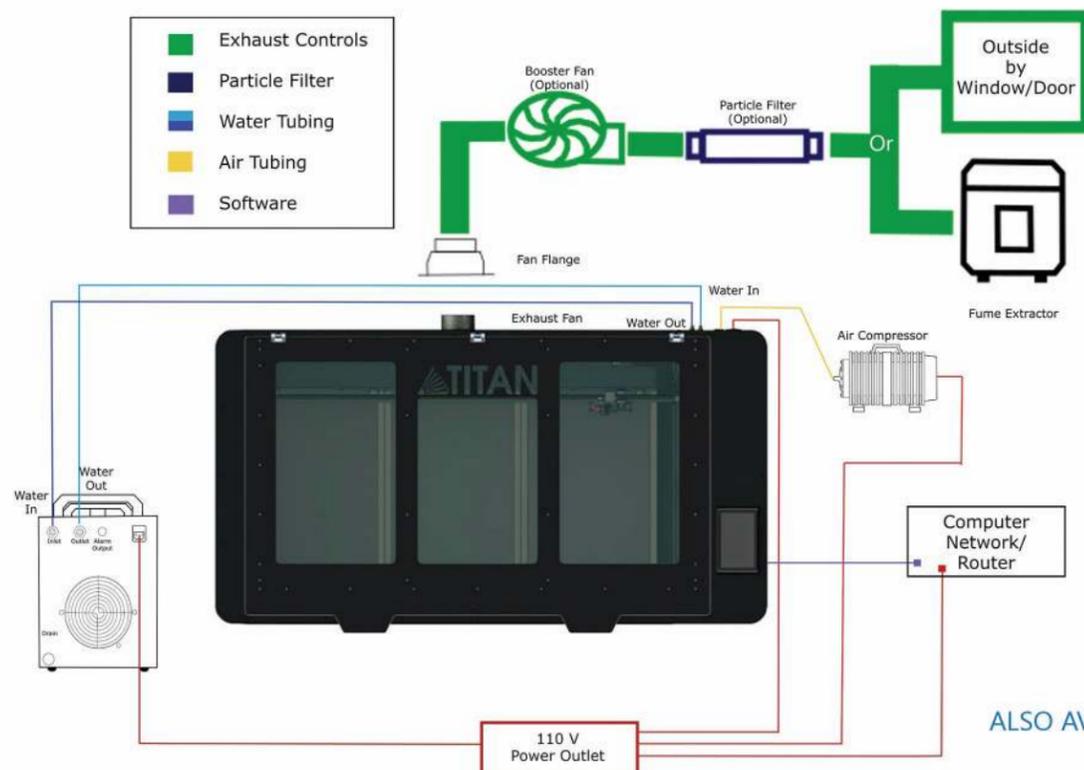
## D. Accessories & Upgrades

The Muse Titan has the following accessories available for purchase:

Refrigerated Water Chiller	3D Camera
Radiator Water Chiller	Time of Flight Camera
Air Compressor	FSL300 Fume Extractor
Exhaust Fan	Friction Rotary

The Muse Titan also has these changable and upgradable parts.

Lenses: 1.5" Lens	Laser Tubes: 75 Watt
2" Lens	90 Watt
2.5" Lens	100 Watt
5" Lens	



ALSO AVAILABLE IN CUSTOM COLORS!



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