

MOPA Fiber Galvo Unboxing & Assembly

The MOPA Galvo has a weight of 130 lbs. At least two people are needed to lift and unbox the machine. **Do Not Lift The Box Alone.**

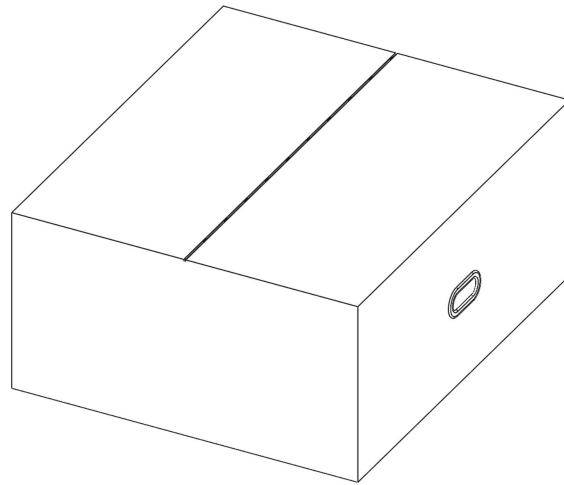


Fig. 4

Unboxing Steps:

Follow these instructions for best results:

1. **Prepare Work Space:** You will need an open, level work space to place your laser cutter. A sturdy table with room for the machine (25.5" x 13" x 23.5 for the machine + 18.5" x 8" x 16.5" for the workspace) is recommended. Be sure the table is free of clutter and can support a minimum of 400lbs (the machine itself weighs 130 lbs).
2. **Place Box:** Place your box on or near your table before opening it, using either a pair of scissors or a box cutter.

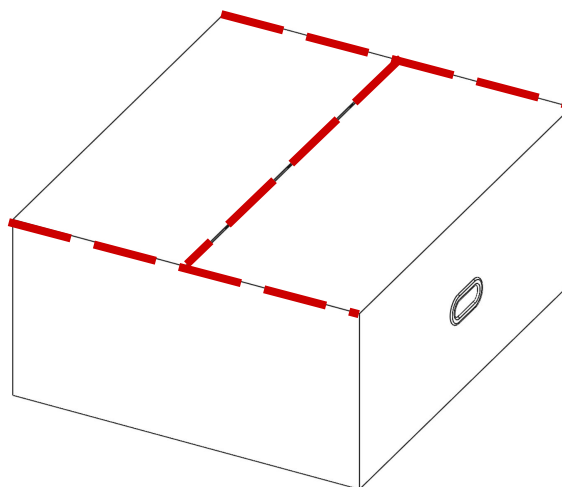


Fig. 5

3. Remove the Top Layer of Foam.

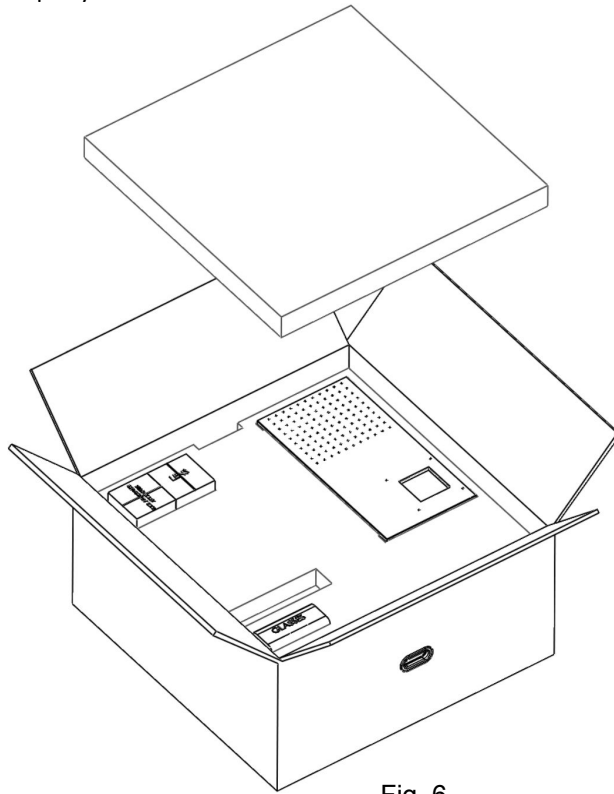


Fig. 6

4. Remove the stage base, power cord, and accessories from the packaging.

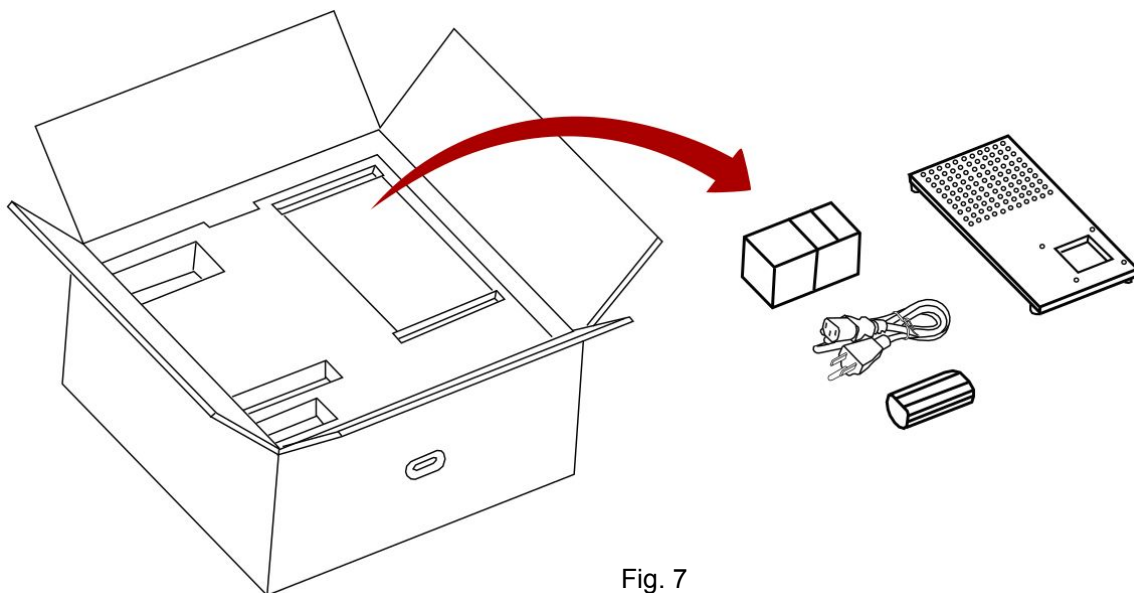


Fig. 7

5. Remove the Second Layer of Foam.

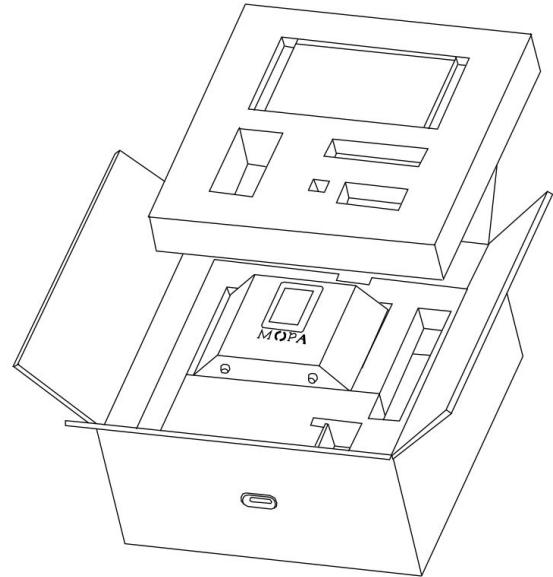


Fig. 8

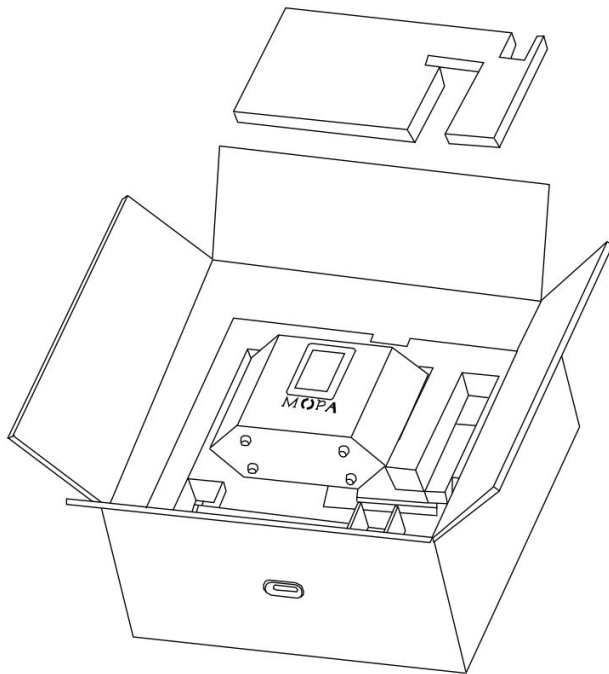
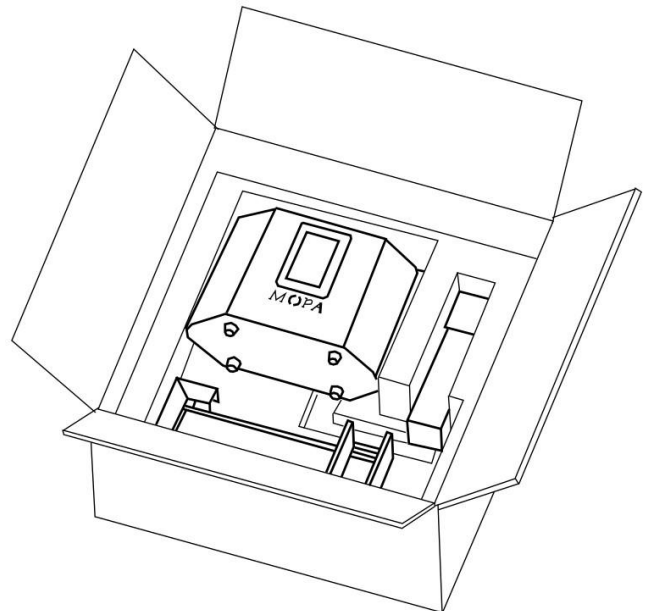


Fig. 9

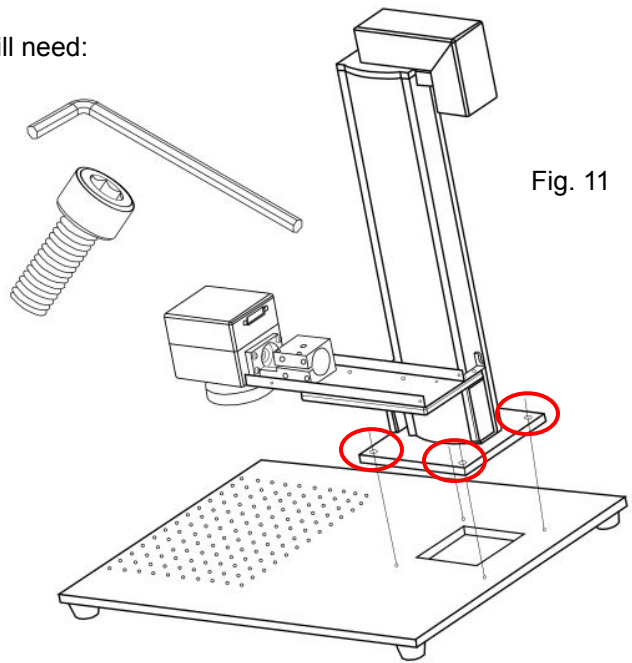
6. Remove the Foam under the main unit.



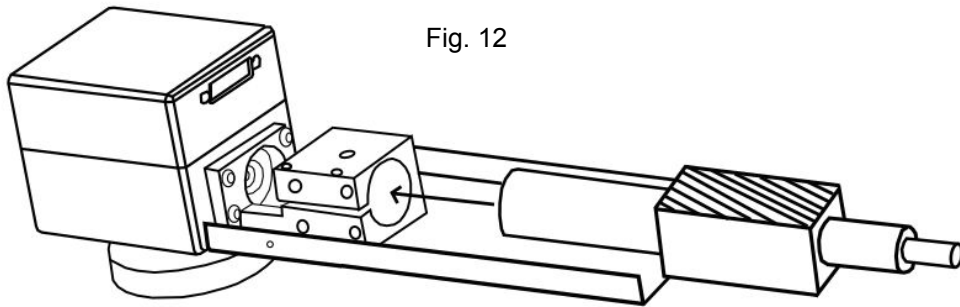
7. Remove the Main Unit, Z-stage and Isolator from the Foam.

Assembly:

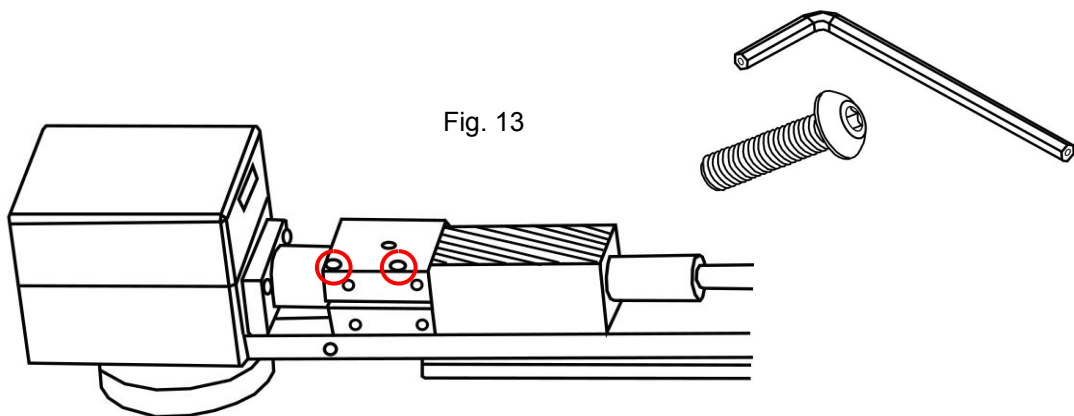
1. To assemble your new MOPA Z-stage you will need:
4 - M6 x16 screw and a M5 Hex Key



2. Use the M6 screws to fasten the base to the stage. (See Fig.11)
3. Locate the Isolator and slide it into the laser mount.

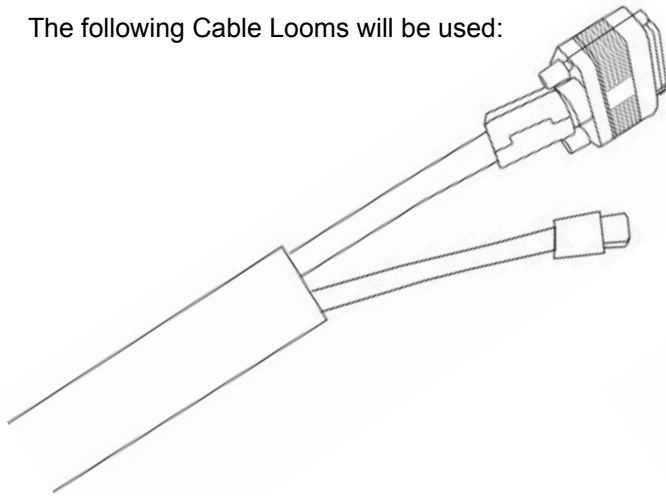


4. Once the isolator is in place secure it with a M4 hex key using the M5x30 screws provided. The isolator should be secured but not over tightened.

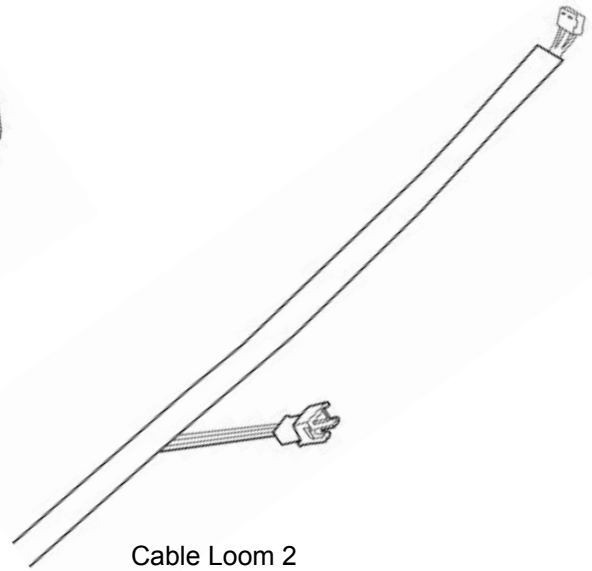


Cable Connections:

The following Cable Looms will be used:



Cable Loom 1



Cable Loom 2

1. Grab Cable 1 and connect the VGA cable onto the port on the back of the scan head(see Fig 4).

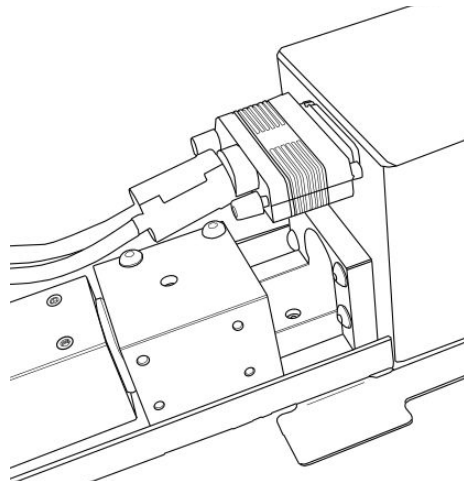


Fig. 14

2. Find the Type C cable in the loom and run it through the opening before connecting to the camera.

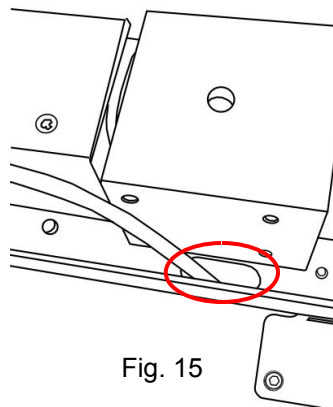


Fig. 15

Note: If you have trouble reaching any cable you can open the loom to pull out the cables.

3. Take Cable Loom 2 and connect the 3 pin to the cable hanging near the motor. Make sure the pins are oriented correctly.

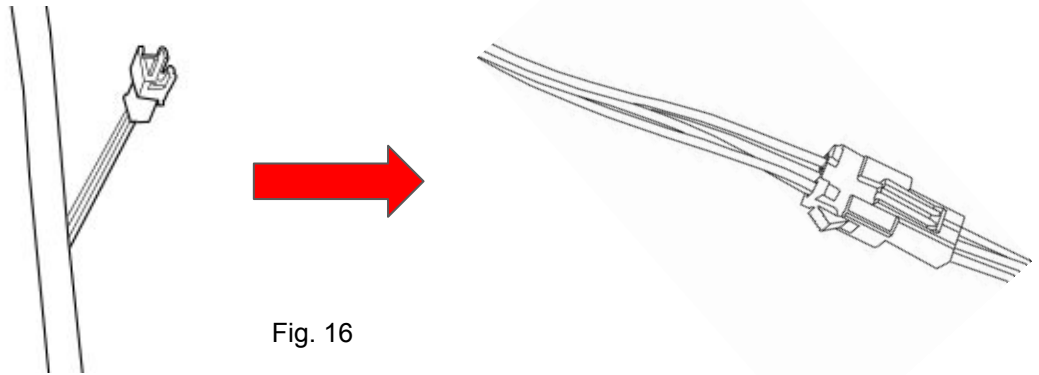


Fig. 16

4. Plug the remaining 4 pin cable connector and plug it into the motor.

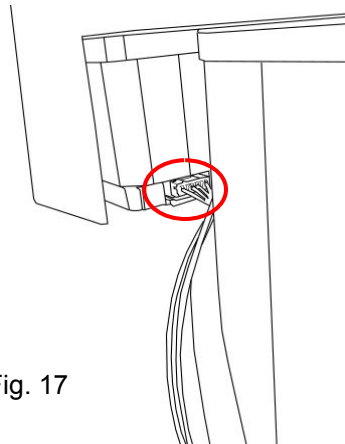


Fig. 17

5. Lastly install the Coverhead using four M4x8 screws that screw into the inner plate. Make sure you run all the cables coming out of the scan head assembly through the back opening.

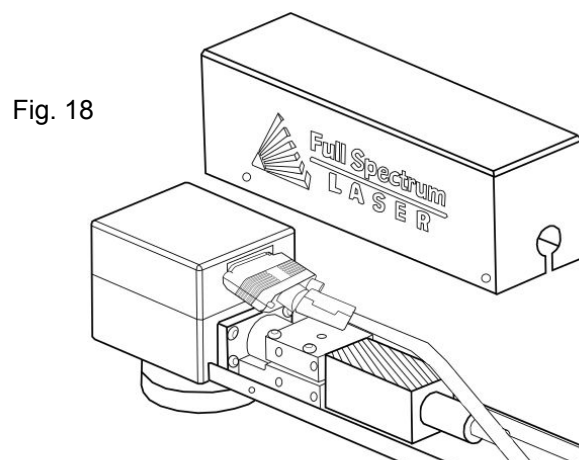


Fig. 18