



FiberStar® Workstation 3905 Series Quick Setup Guide



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FIBERSTAR® WORKSTATION 3905 SERIES QUICK SETUP GUIDE INSTRUCTIONS

ITEMS NEEDED: Cross Head Screwdriver or Power Drill with Cross Head Drill Bit, 6mm Allen Bit & 7/16" Socket Bit, 5mm & 6mm Allen Wrench, Scissors or Snips, Box Cutter or Knife, Step Ladder, Ramp

INSPECTION

1. Before opening the shipping container, be sure to inspect the outside of the crate for apparent damage that may have occurred in transit. If you discover damage, immediately contact LaserStar's Service Department.
2. Identify the TIP-N-TELL indicator (located on the outside of the shipping crate). Check to see whether blue beads are present in the top portion of the arrow on the TIP-N-TELL. If you notice blue beads in this area, immediately contact LaserStar's Service Department.



**No blue beads present:
(no tipping of crate)**



**Blue beads present:
(crate has been tipped)**

3. Identify the SHOCKWATCH warning sticker (located on the outside of the shipping crate). Check to see whether the tube in the center of the SHOCKWATCH warning is red. If you find the center of this tube is red, immediately contact LaserStar's Service Department.



**Tube is not red:
(no shock warning)**



**Tube is red:
(shock warning)**

UNPACKING THE LASER

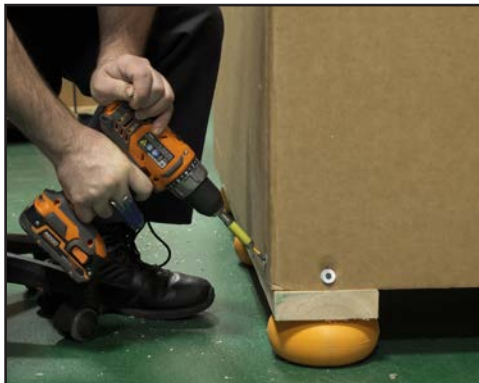
4. With scissors, snips, or a knife, cut the banding straps on the outside of the shipping container.



5. Using a step ladder, carefully remove the top cover from the crate.



6. Remove the screws from the bottom of the skid.
(Note: A power drill with a Phillips head drill bit is required.)



7. With 4 people, lift the container off of the skid base.



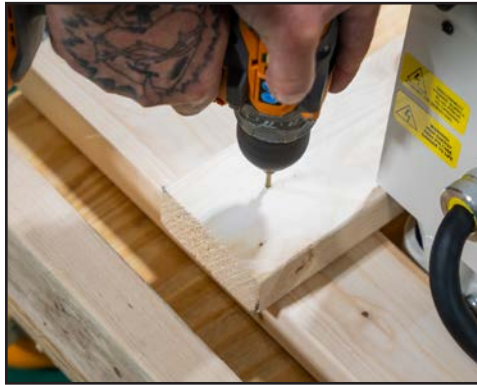
8. Cut the banding straps wrapping around the laser engine (under the styrofoam and laser head).



9. With scissors or similar sharp utensils, gently cut any shrink wrap that is affixed to the plastic cover; remove the cover from the laser system. **(Note: Be sure to save the plastic cover to protect the equipment from dust when it is not in use.)** Gently remove any remaining shrink wrap. **(Note: Be careful not to cut or damage the laser system.)**



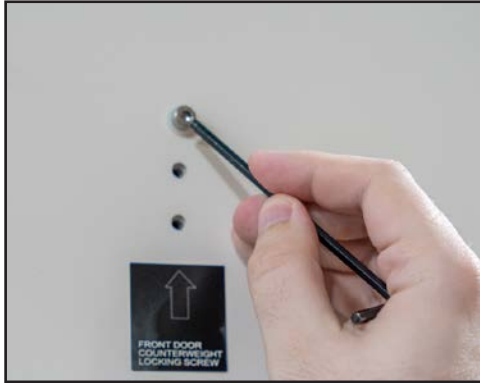
10. There are four (4) 2x4 braces that secure the laser to the skid base. Using a Phillips head drill bit, remove the bracket screws from the skid. **(Note: A power drill is recommended.)**



11. Remove each of the boxes located beside the laser system. Use a forklift to remove the laser from the skid base to the desired location. Once lowered, unlock the wheel brakes, push the laser to the desired location and finally reset the breaks.



12. Before opening the front door of the laser, you will need to remove the two (2) counterweight stabilizer M-5 screws (located in the top corners on the rear of the laser).

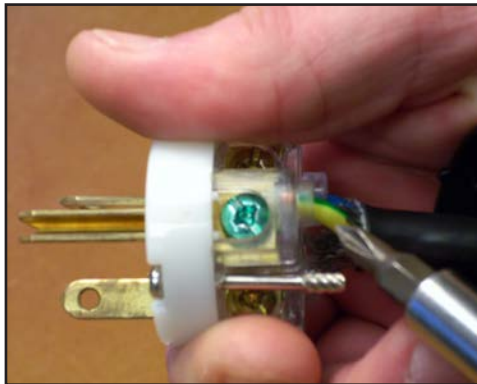


13. Take the swing arm out of its wrapping and install it along the side of the system.



CHECK THE PLUG AND OUTLET

14. With a 208-240 VAC laser system our recommendation is to hire a licensed electrician to install the proper circuit that you will need for your laser system. You will need a single phase, 220V, 30amp, dedicated line to power your system. Once you have your circuit installed. Attach the male plug to the power cord using the appropriate screwdriver. **(Note: Make sure to connect the green grounding wire to the green terminal of the plug.)**



SETUP

- 15.** Locate and open the box labeled “accessory kit” and retrieve the following items: keys, remote interlock, power cord, USB hub, and USB cables.



- 16.** Locate the box for the computer screen and remove the screen and cables provided. Place the screen and keyboard on the swing platform (located on the side of the laser).



17. Retrieve the remote interlock component and insert it into the rear of the laser. Take the power cable and connect it to the appropriate power outlet.



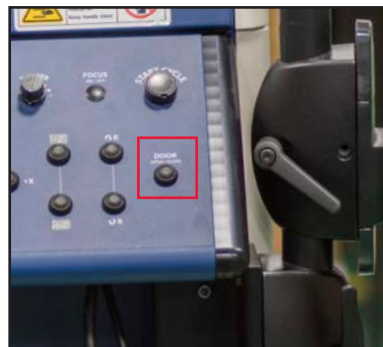
18. Take the computer screen power cable and plug it into a 120VAC wall outlet.



20. Retrieve the key from the accessory kit. Power up the laser by turning the circuit breaker (black switch on the back of the system) to the “ON” position. Verify that the emergency stop switch is released before turning on the system by inserting the key and turning it to the on position.



21. 5-10 seconds after turning the key switch: push the “Reset” button to activate the laser. Open the door of the laser using the “Door” control.



(Note: The vapor produced when laser material processing can be extracted from the lasing chamber and operator's work station using an external filtration and fume exhaust system.)

This laser system must be connected to an approved external filtration and fume exhaust system (either purchased separately or through LaserStar Technologies®). Never use this machine on non-metallic materials, especially plastics, without the proper air exhaust filter system in place, as required by OSHA regulations.

22. Unpack your purchased (or previously owned, approved) fume exhaust system and place it next to the machine (if a cyclone adapter option was purchased, setup appropriately).



23. Connect the exhaust hose and then connect to the exhaust unit and rear of the lasing chamber, as shown. Be sure to properly position the interior chamber adjustable exhaust tube to the required lasing area to ensure maximum suction.



Congratulations, you are now ready to begin using your laser system! Please proceed to LaserStar Academy to begin your online training.



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Teaching You To Harness The Power Of Hot Light

LaserStar Academy is designed to be our clients' "First Reference" for software and systems training; user guides and operation manuals; maintenance videos & service guides; and FAQ resources.

Our goal is to provide clients with a solid foundation of fundamental laser welding and engraving skill sets while providing a real time online resource for LaserStar's worldwide customer base.

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