



# FiberCube® 3602 XL Series Open Laser Engraving System Quick Setup Guide



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## FIBERCUBE® 3602 XL SERIES OPEN LASER ENGRAVING SYSTEM QUICK SETUP GUIDE INSTRUCTIONS

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

### 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 center tube of the SHOCKWATCH warning is red. If the center tube is red, immediately contact LaserStar's Service Department.



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



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

## UNPACKING

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



5. With scissors, cut and remove the strapping tape securing the top and sides of the tri-wall corrugated cover.



6. Once the tape has been removed, fold open the box flaps and carefully remove the two foam inserts.





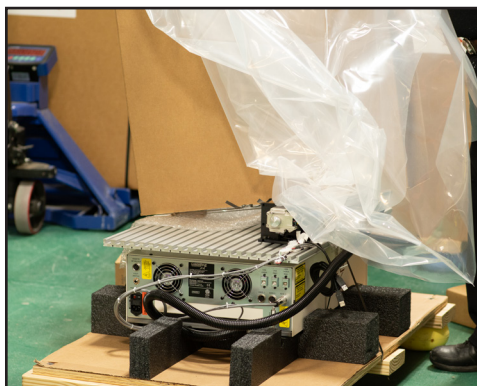
7. Remove each of the boxes included within the box that houses the laser.



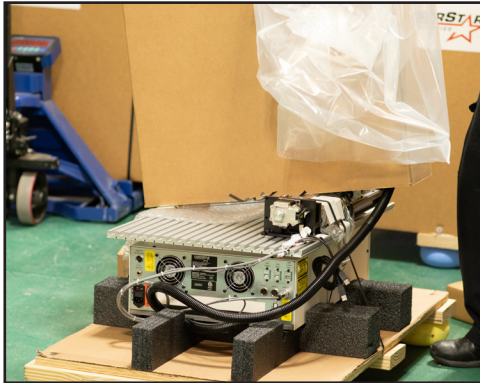
8. Remove the screws from the bottom of the skid and from the box containing the laser. **(Note: A power drill with a Phillips head drill bit is helpful.)**



9. Two people may then lift and remove the tri-wall corrugated cover. **(Note: Do not discard the cover or packaging; these materials can be re-used to ship your laser if service is required in the future.)**



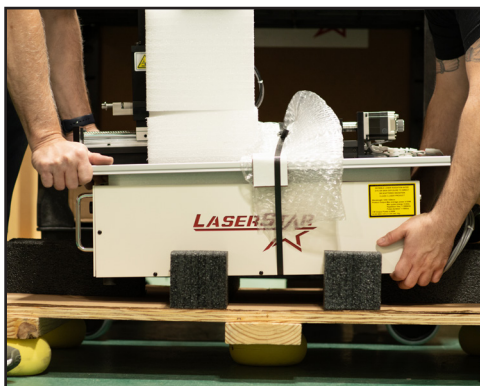
10. Carefully remove the plastic cover from the machine. **(Note: Be sure to save the cover to protect the equipment from dust when it's not in use.)**



11. Using scissors or snips, cut the banding straps that secure the laser to the skid base.



12. Two people can now carefully lift the laser and place it on a sturdy tabletop or other secure flat surface.



13. Locate the box labeled “accessory kit” and carefully cut and remove the tape.



## SETUP

14. Locate and open the box labeled “accessory kit” and retrieve the following items: keys, remote interlock, power cable, USB hub, and USB cables.



15. Locate the power inlet on the rear of the laser housing and insert the power cable.

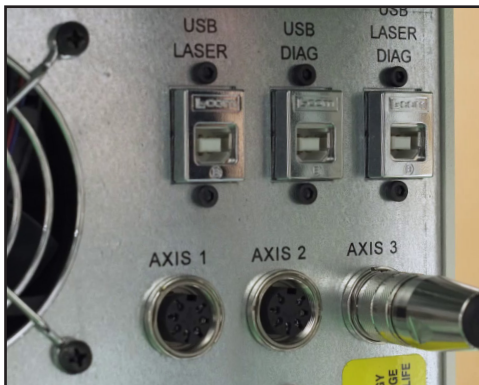




16. Retrieve the remote interlock component and insert it into the rear input labeled “remote interlock” (note the notched alignment).



17. On the rear of the laser housing, locate the “Axis 3” port and make sure the z-axis is plugged into the port.



18. Using the supplied USB cables, plug the “rectangular” ends into the “USB Laser” port and “USB Diag” port.



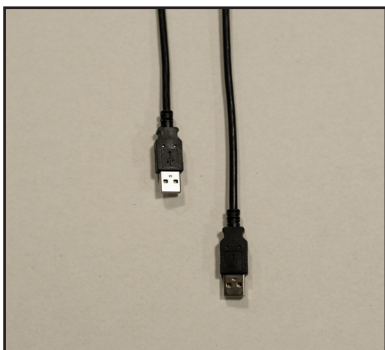
19. Retrieve the USB hub and plug in the power cable. Also, plug the USB cable (provided) into the USB hub and computer.



20. Plug the “USB Diag” cable into the USB hub **(Note: An external mouse and keyboard may also be plugged into the hub, if needed.)**



21. **IMPORTANT:** Plug the “USB Laser” cable (coming from the rear of the laser) into the computer, along with the two USB cables from the top of the laser. There will be a shorter cable (z-axis) and a longer one.





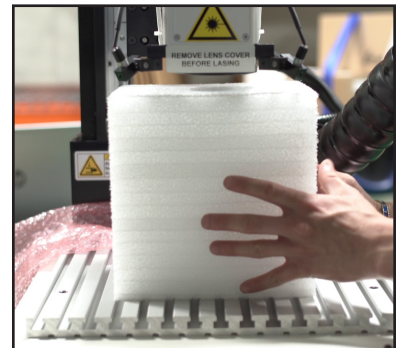
22. With the main power plugged into a 110V outlet, locate the power switch on the rear of the machine and turn the power to the (ON) position.



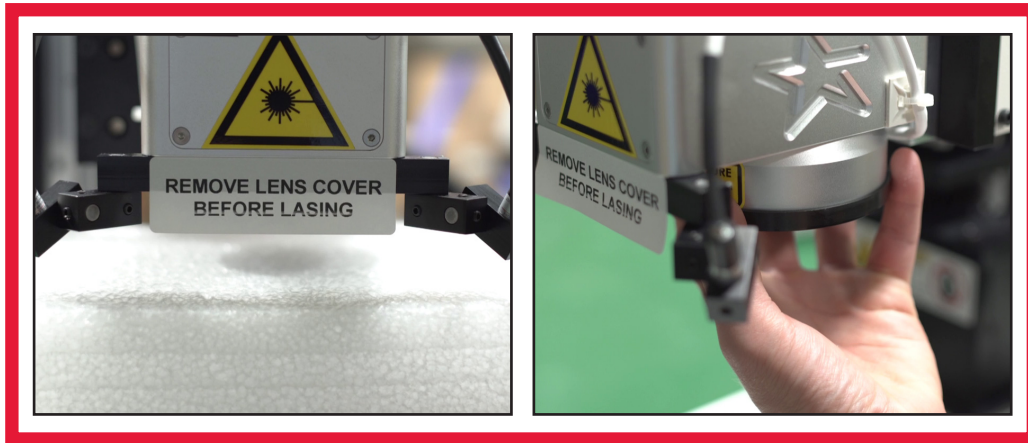
23. Moving to the front of the machine, locate the key switch. Insert the supplied key and turn the switch to the (ON) position. Press the RESET button.



24. Remove the foam block by pressing the **UP button**; the z-axis will begin to shift upward. Continue to press and hold the **UP button** until the focus head is raised 2" to 3". Now, carefully remove the foam block. **(Caution: When removing the foam block, do not press the Down button; shifting down will damage the focus head and focus lens component.)**



25. Note the instructions on the front of the laser head; remove the lens cover from the focus lens. Once the lens cover has been removed, you may remove this label.



**(Note: The vapor produced when marking, engraving or cutting can be extracted from the lasing chamber and operator's work station using an external filtration and fume exhaust system.)**

**This open laser engraving 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.**

26. 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).



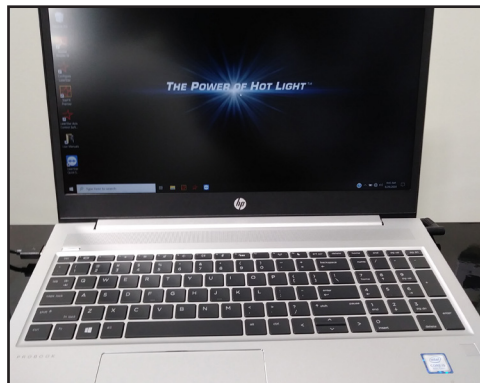
27. Connect the exhaust hose and connect to the exhaust unit and the rear of the lasing chamber, as shown.



28. Be sure to properly position the interior chamber adjustable exhaust tube to the required marking area to ensure maximum suction.



29. Press the power button on the laptop; this will boot up the computer and you will be on your way to harnessing the power of hot light!



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





# **LASERSTAR** **ACADEMY**

## 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.

[www.laserstaracademy.com](http://www.laserstaracademy.com)



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