



## FiberCube® 3804 Series Laser Engraving System Quick Setup Guide



### **LaserStar Technologies Corporation**

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## FIBERCUBE® 3804 SERIES MARKING 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, Step Ladder

### INSPECTION

1. Before opening the shipping container, 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

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



5. Carefully remove all of the top inserts from the container.



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



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



8. Remove the cover from the machine. **(Note: Save the plastic cover to protect the equipment from dust when it's not in use.)**



9. With scissors or a knife, gently cut and remove any shrink wrap that is affixed to the laser. Remove the laptop and accessories box from the skid base. **(Note: Be careful not to cut or damage the laser.)**





10. With at least two people, remove the laser system off of the skid and put it in the desired location.



## SETUP

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



12. Remove the rear panel from the machine and check the connections; ensure that the power cable and USB are plugged in and properly seated. Plug the system into the appropriate supply circuit as detailed on the system’s serial tag



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



14. Attach the back panel back into place. Reconnect the rear panel exhaust fan if necessary



15. Remove the laptop from the box, place it on the shelf, and plug in the power cable.



16. Retrieve the USB docking station from the accessory kit and plug in the power cable. Plug the two USB cables (located on the rear of the laser) into the USB docking station.



17. Plug the mini USB cable (supplied with the hub) into the USB hub. Plug the other end of the cable into a USB port on the computer.



18. Locate the remaining power cables and plug each into a 110V wall outlet.



19. Retrieve the keys from the accessory kit. Power the laser on by turning the circuit breaker (blue switch on the back of the system) to the “ON” position. Remove one of the system keys (the other key should be stored in a secure location) and insert it into the system key switch, then turn it to the “ON” position. The system must be reset on power-on by turning the system key switch past the “ON” position, then relaxing the key to the “ON” position. The setup keys should be stored in a secure location. When open-door lasing is required, one of the setup keys can be inserted into the setup key switch and turned to the “ON” position to bypass the door’s interlocks.



Circuit Breaker

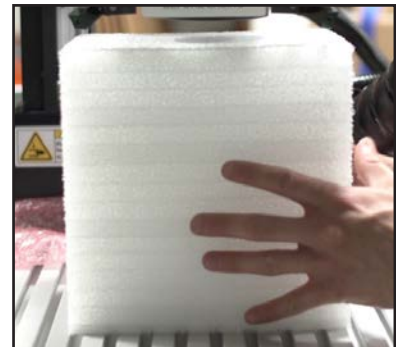


Setup Key Switch



System Key Switch

20. 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.)**





21. Note the instructions on the front of the laser's scan 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.**

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



Warning!

**Operating a laser without an approved vacuum system will void the warranty.**

24. Properly position the interior chamber adjustable exhaust tube to the required marking area to ensure maximum suction.



25. Press the POWER button on the laptop; this will boot up the computer.



**Congratulations you are ready to begin using your laser!**

**If you have additional questions about your device or would like to provide feedback, a testimonial or present your applications results, please reach out — we'd love to hear from you!**

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