

2007 Industrial Systems

Models ILS9.150D and ILS12.150D

Laser Engraving and Cutting System

Moving the Laser Machine through Small Entrances

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Moving the Machine through Small Doors

If the doorway is not wide enough to allow you to roll the laser system through it, the system **MUST** be detached from the cart stand, rotated sideways, passed through the doorway, then re-attached to the cart stand (Section 4-2). **THIS PROCEDURE IS NOT RECOMMENDED UNLESS TOTALLY NECESSARY BECAUSE OF THE POTENTIAL FOR DAMAGE TO THE MACHINE AND INJURY TO THE MOVERS.**

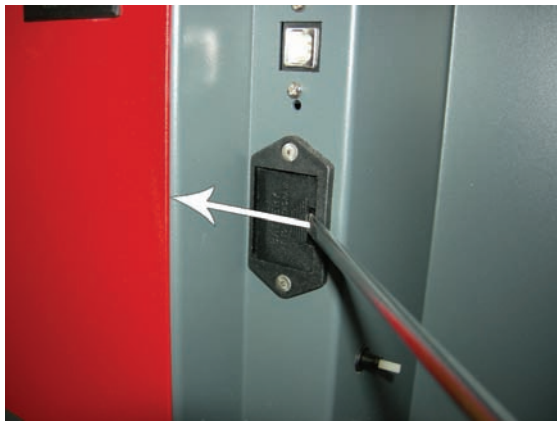
You will need four strong people and a **PADDED** floor dolly to transport the machine through the doorway.



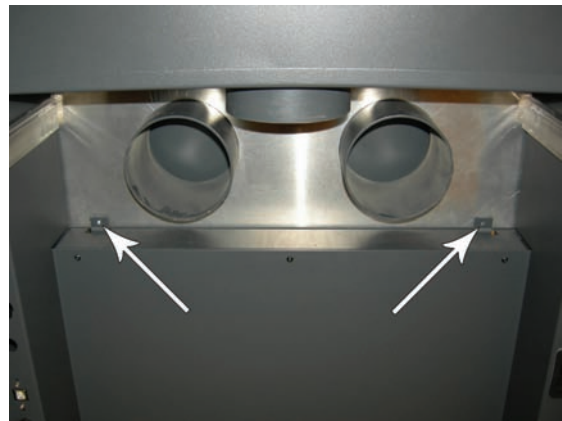
The laser system without the cart stand weighs approximately 400 lbs. Obtain assistance from as many people as possible (3 or 4 people). Always use a back-support device when lifting. Do not attempt lifting the machine if you are physically handicapped or are injured in any way. Seek the advice of a physician if you are unsure.

Detaching laser system from cart

1. Make sure unit is unplugged from an electrical outlet.



2. Remove the thermal sensor battery holder from the back of the ILS if it is installed and set it aside.



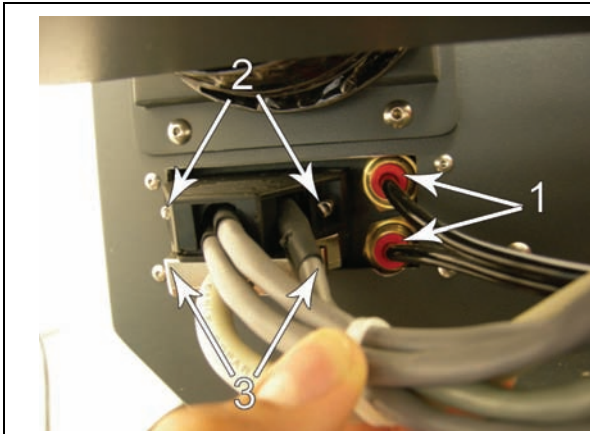
3. At the back of the system, locate the two screws; remove them and set them aside.



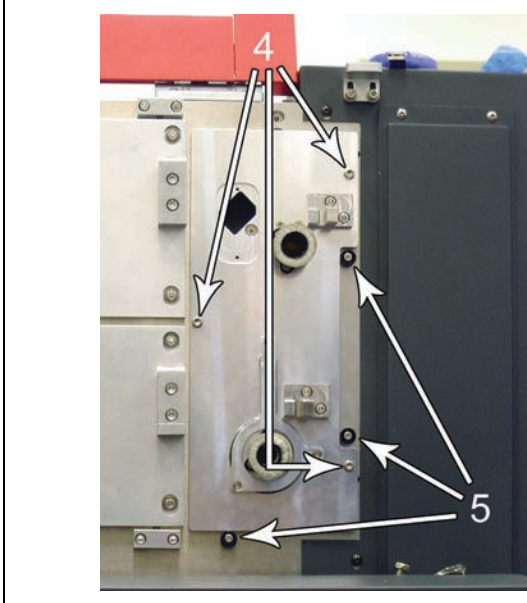
4. Open the rear cover by pressing down on the button part of the latches until the latches pop up.
5. Fold the rear cover down to a resting position.



6. If you have traveling exhaust you need to undue the hoses that hold the hose to the body of the ILS. Two hoses are located on the left and right of the machine.



7. On the left hand side of the machine you will find the following hoses and connectors. To disconnect the hoses (1) gently push on the orange quick couplings and pull on the hose.
8. To undue the top connector, unscrew the two screws (2) and pull the connector.
9. To undue the bottom connector, squeeze the two latches (3) and pull the connector out.



10. Finally, remove the 3 attachment screws (4) from the laser combiner plate on the back right side of the machine and remove it.

11. Remove any packing materials or accessories from inside the laser system.
12. Tape down the X-axis arm down to prevent it from moving.
13. Using strong shipping tape or rope, tape the front door closed so that it does not open up when you tilt it.
14. Gently push the body of the ILS forward to release it from its slotted holes. Then, lift the laser system straight up, clearing the cart stand.
15. Place the laser system on its back using a cushioned dolly with the front door facing up and roll it through the doorway. If you do not have a dolly, you will need to carry it through.
16. After you get the laser system and the cart stand through the door, carefully line up the laser system and place it back on top of the cart stand. **Be careful not to pinch your fingers.**
17. Attach your screws, flat washers, and lock washers. Re-connect the hoses, re-attach the cover plate, close the rear cover, and push down on the latches until they “click”.
18. Reinstall the combiner plate by pushing it against the alignment pins (5) shown and then installing the attachment screws. Make sure that the plate is press up against all 3 alignment pins.
19. Proceed to Section 4-2 in the ILS’s users manual to level the system.

