

Z Table Adjustment



Figure 23- Front Compartment

Then use a flat piece of material that can lay on the knife table. Put the material under the laser head in the bottom left hand corner and raise the z table up until it just touches the auto focus plunger. Move the laser head to the upper left corner and check to see if the plunger is the same distance away from the material. Do this to all four corners to ensure that the Z table is level.

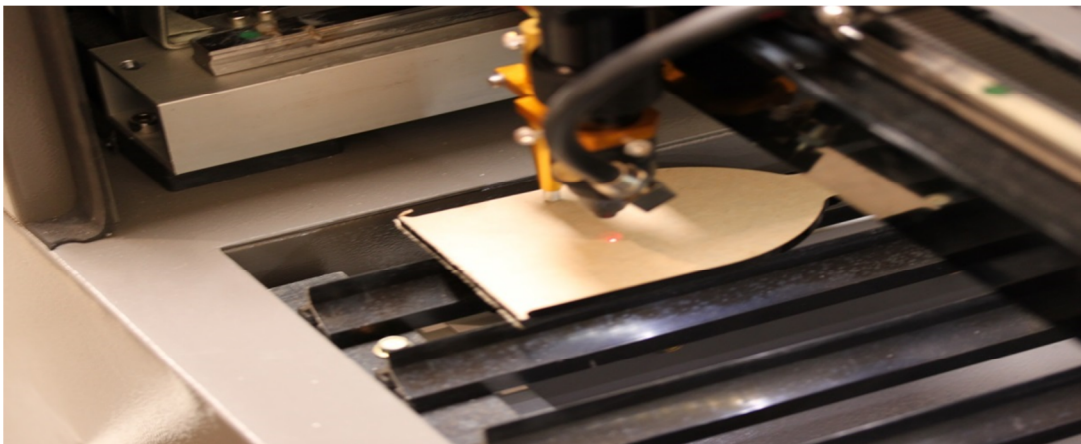


Figure 24- Flat Level Material #1

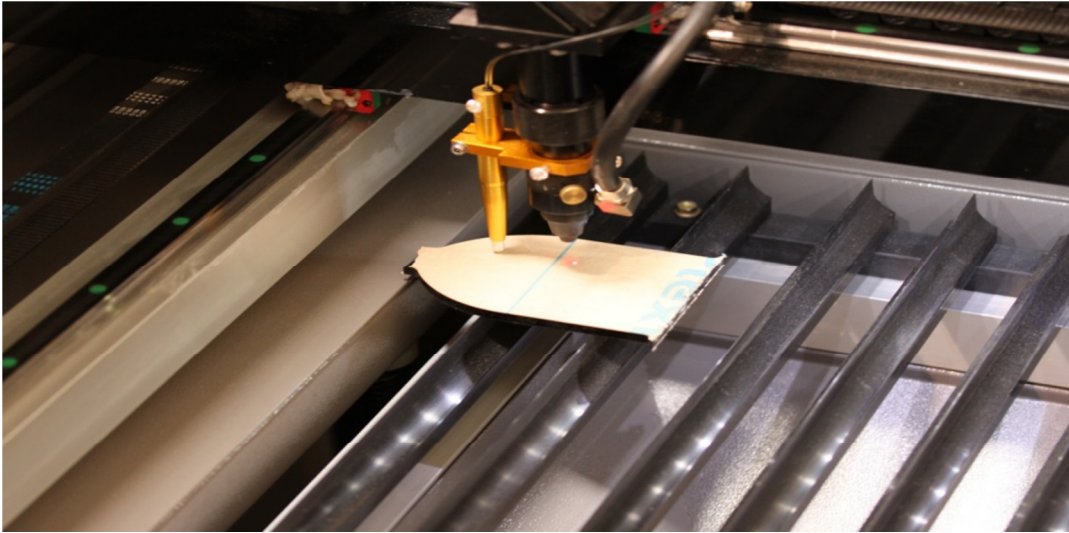


Figure 25- Flat Level Material #2

If the z table is out of alignment locate the Z table adjusting screws in the bottom of the machine. There are three screws located on the left and right that adjust the overall level of the Z table (See pictures below). After adjusting the screws to level it out check the four corners method mentioned above to ensure z table is level.



Figure 26- Z Table Adjusting Area Left

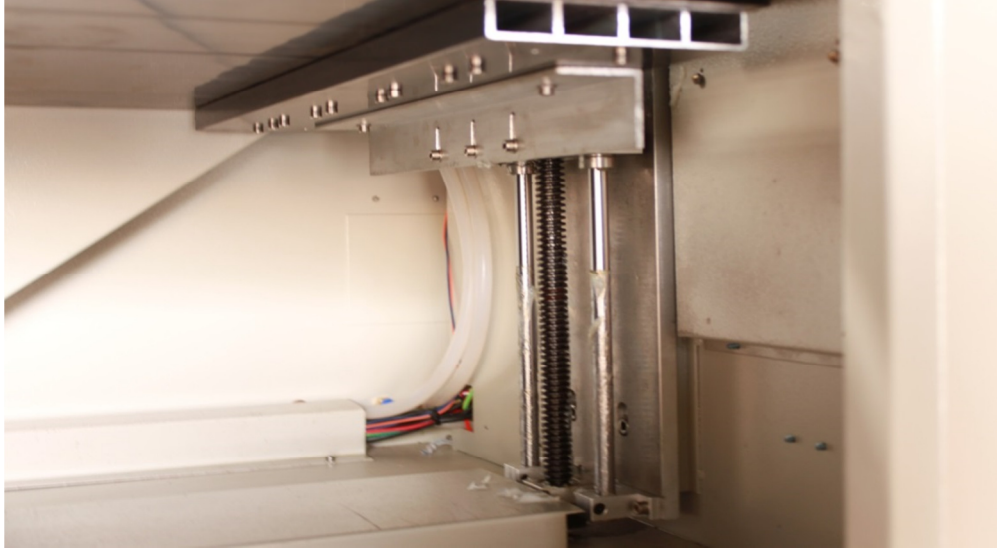


Figure 27- Z Table Adjusting Area Right

If the z table is received at a severe angle, removing the belt and adjusting a side's individual height is necessary. Remove the belt off the motor gear (see picture below) and turn the threaded rod that coincides with the specific side that needs adjusting. Once the z table is level, put belt back on the gear motor driver and perform four corner z table alignment.

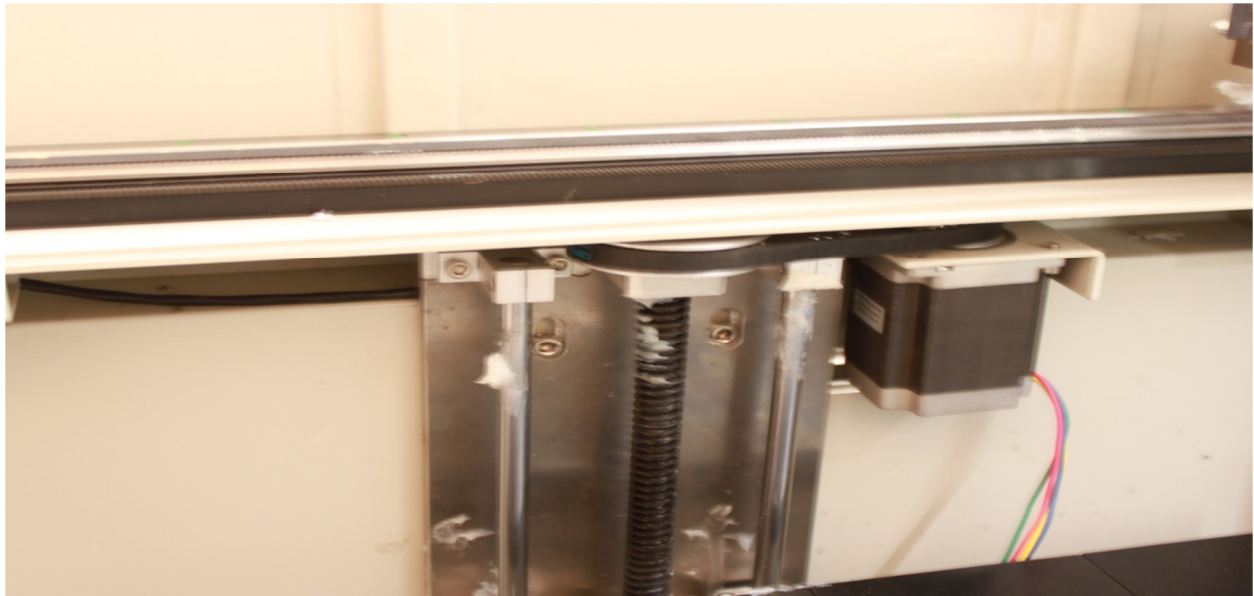


Figure 28- Z Table Motor