

greasing the leadscrews

Important notes:

1. The X-axis and the Z-axis leadscrews are easily accessible, applying some grease is easily done there.
2. Before putting grease on the leadscrews, make sure they are absolutely clean. Use a soft dry cloth to clean them.
3. The Y-axis leadscrew sits under the engraving table and under a metal cover, both of which will have to be removed to get access to them.

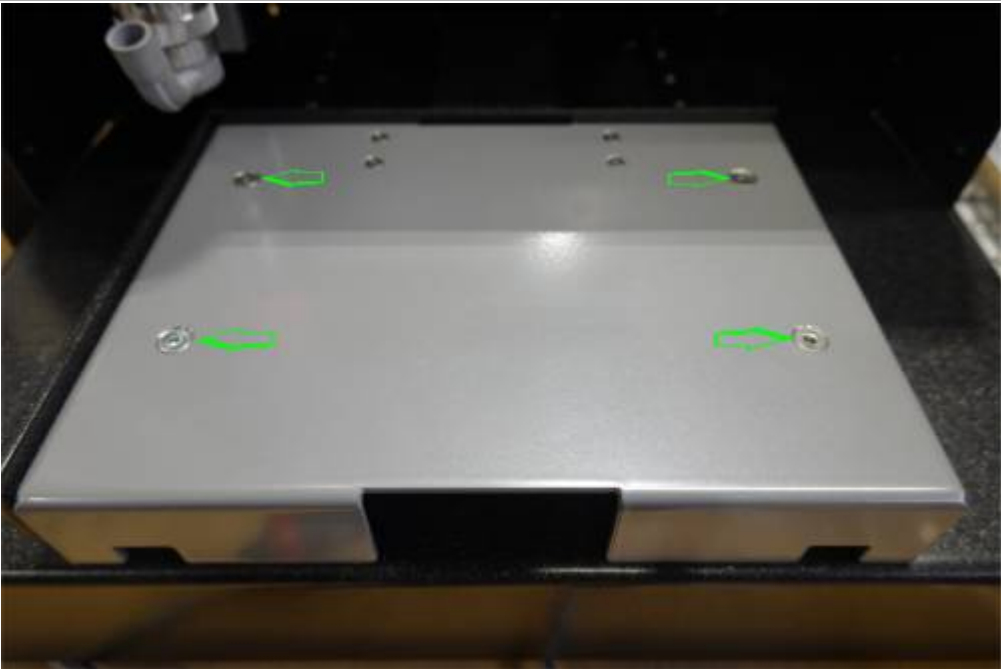
Image	Description
	Remove the 4 screws which are indicated with a green arrow on the image on the left.
	Remove 4 more screws which are indicated with a green arrow on the image on the left. You can lift up the engraving table and put it on the side.

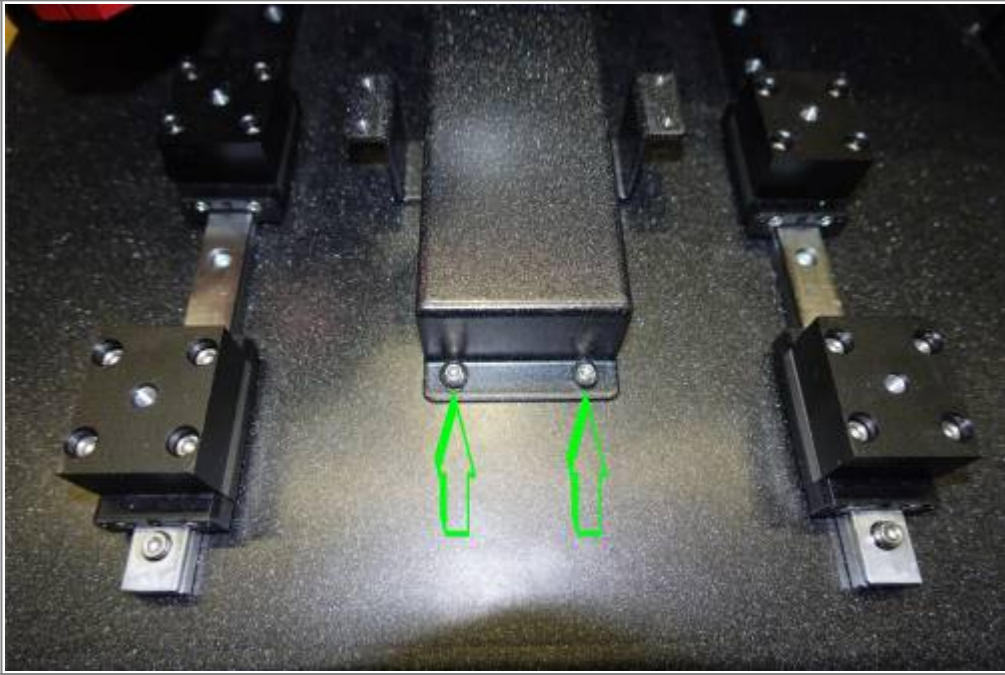
Image	Description
 A top-down view of a lead screw assembly. A central black rectangular block is mounted on a metal base. Two green arrows point to two screws on the front face of the black block.	Remove the 2 screws which are indicated with a green arrow on the picture on the left.
 A bottom-up view of the same lead screw assembly. Two green arrows point to two screws on the sides of the black block, which are part of the lead screw cover.	Remove 2 more screws which are indicated with a green arrow on the image on the left. You can lift up the leadscrew cover and put it on the side.

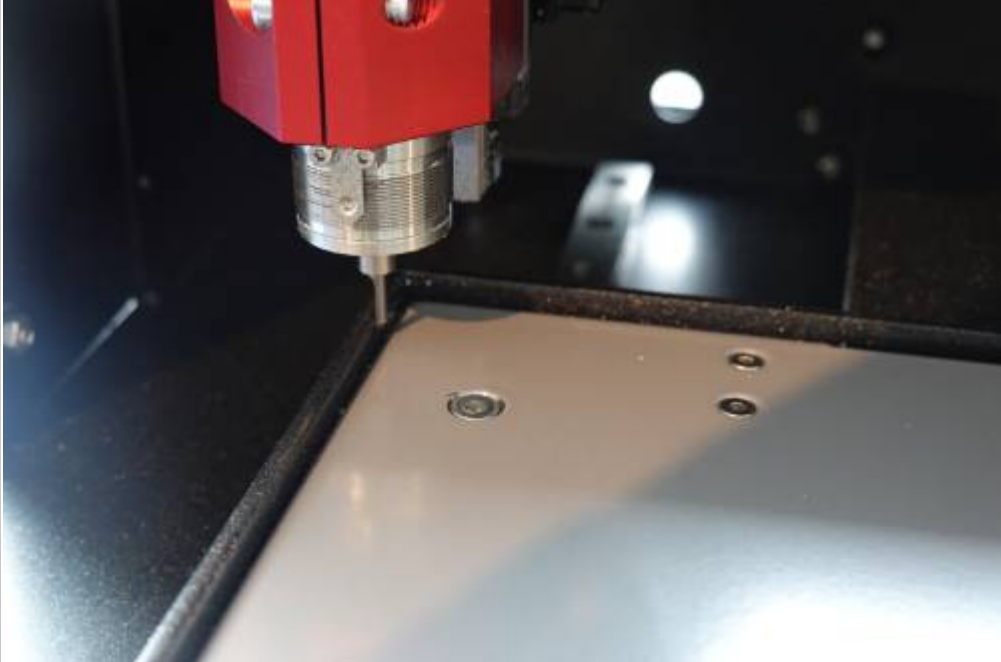
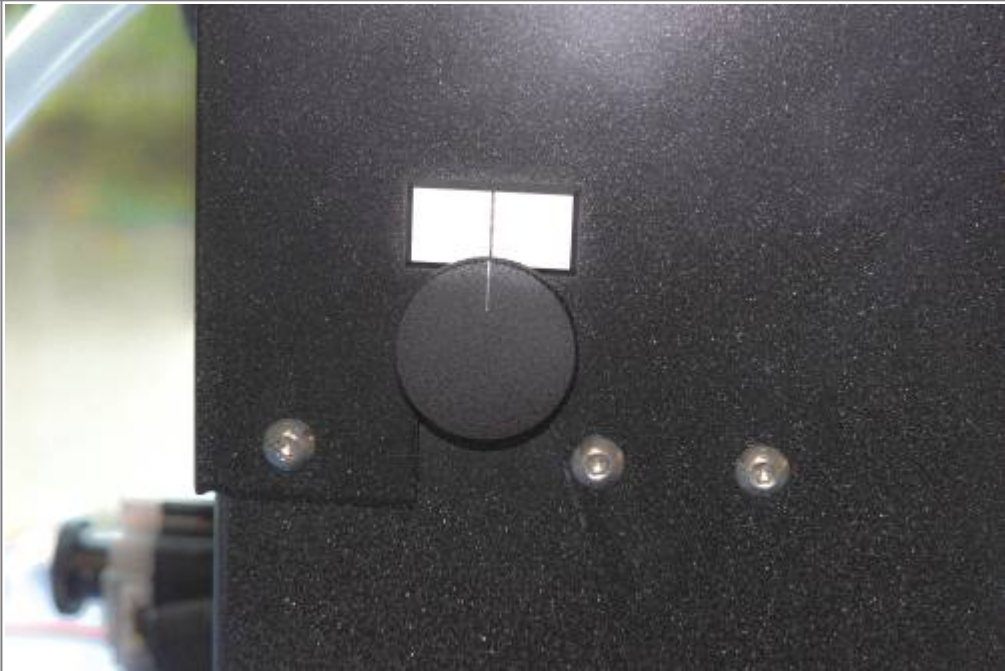
Image	Description
	After having taken away the leadscrew cover you have access to the Y-axis leadscrew. Clean the area which is normally covered by the engraving table and the leadscrew cover. Do so using a vacuum cleaner, do not use compressed air. Apply some grease to the leadscrew, just behind the leadscrew nut. After having applied some grease you can re-assemble the leadscrew cover and the engraving table.
	Gently rotate the black knob on the back side of the X-axis stepper motor till the flat side of the cutter is well aligned with the left table stop.

Image	Description
	Now check if the finely engraved line on this knob corresponds with the engraved line on the indicator plate. If that is not the case, loosen the black knob and rotate it to properly align it with the engraved indicator plate.
	Re-tighten this knob.
	Screw the depth regulator nose back onto the spindle.

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