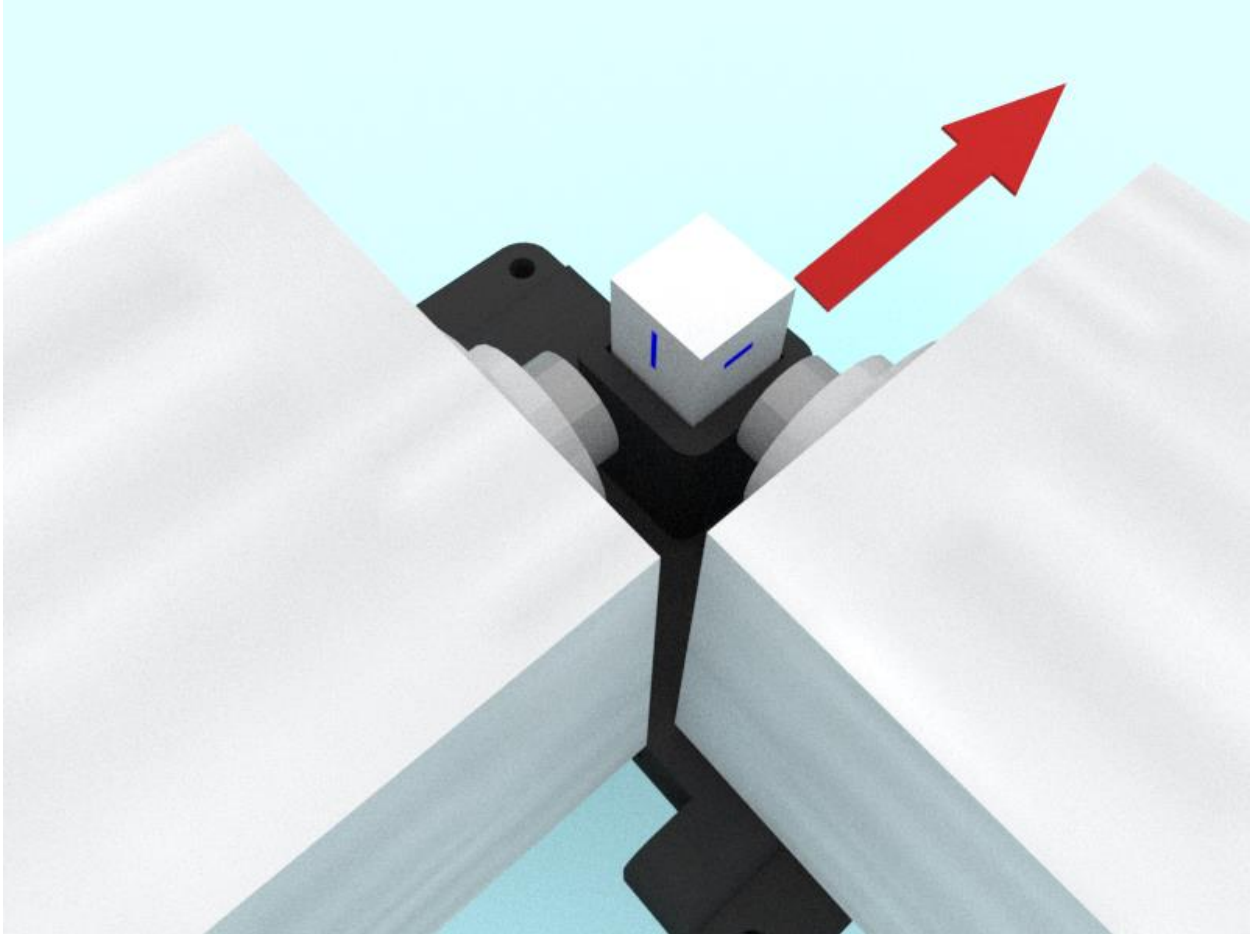


Assembling a 15 watt dual laser beam system. A DIY option.

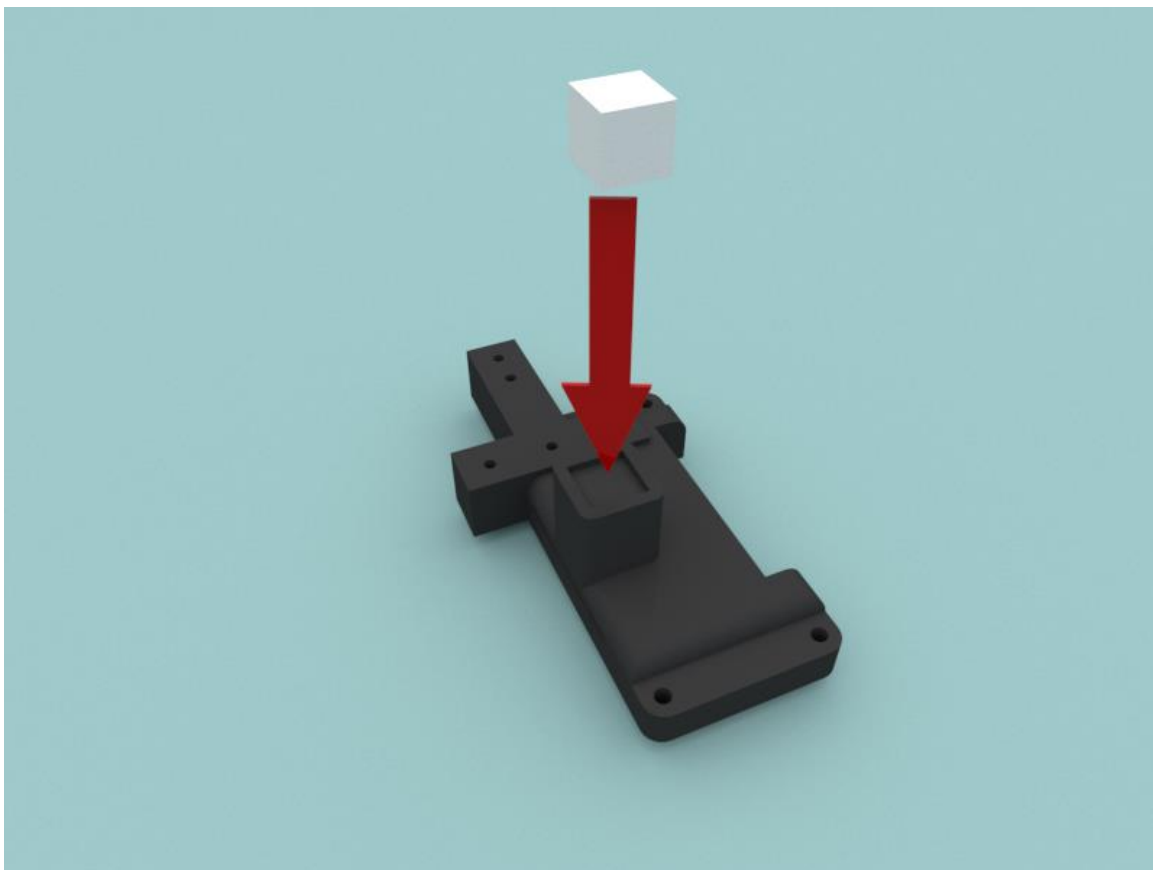
In order to assemble a combined laser from two, first of all, you need to make sure that the diode beams are located as follows



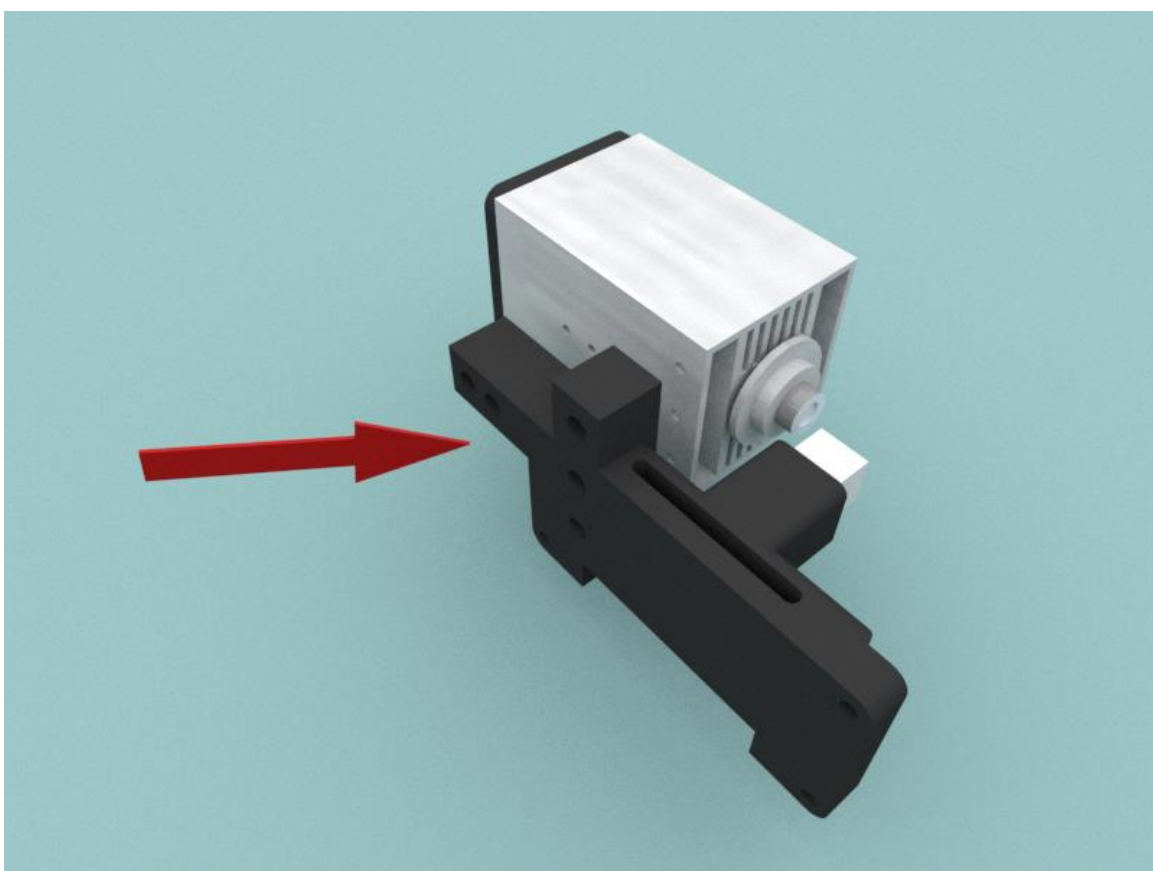
(if this is not the case, you need to unscrew the case and the radiator and twirl the diode until the rays are in the desired position)

After that, you can print the fasteners on a 3D printer (or come up with your own fastener) <https://www.thingiverse.com/thing:4566250>

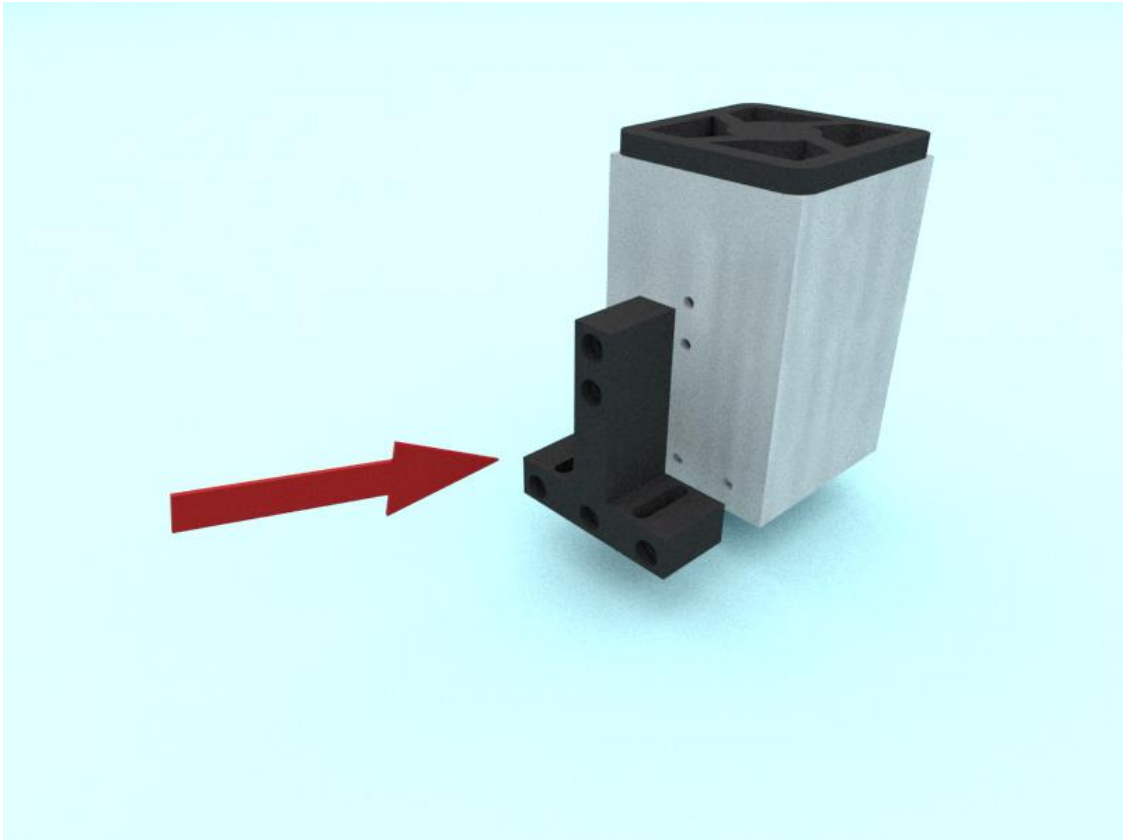
Then follow the instructions:



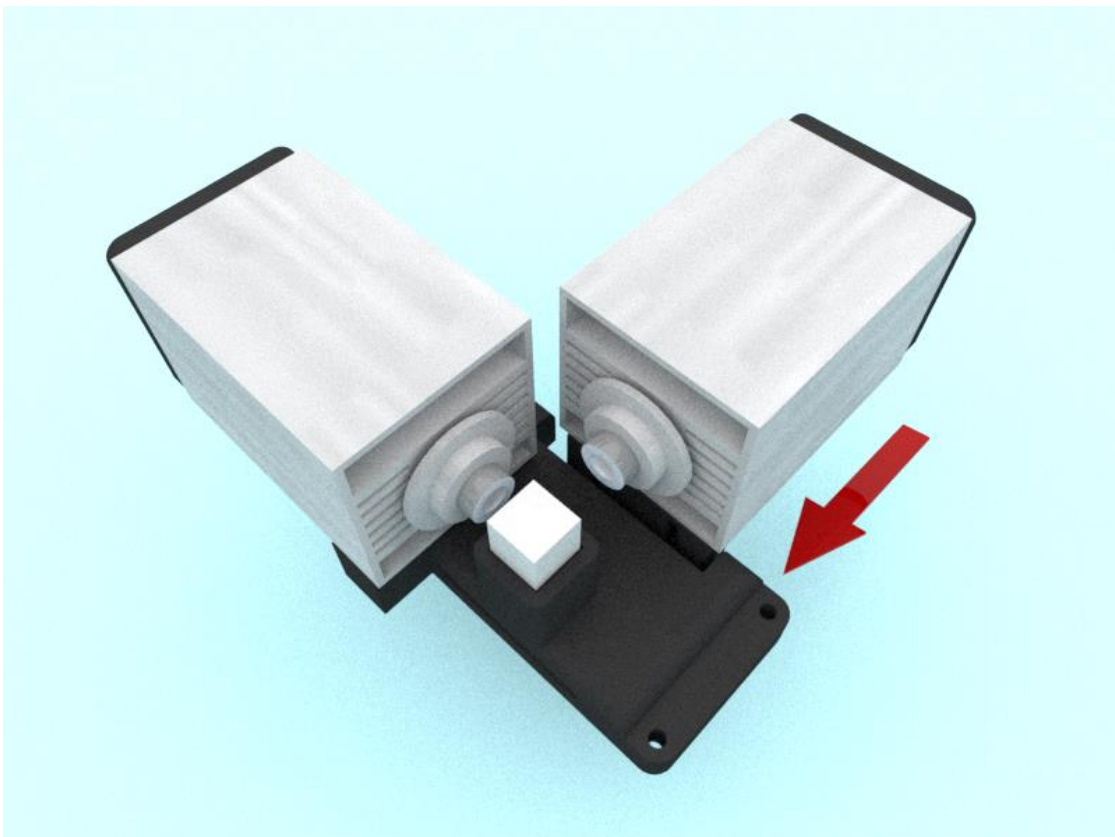
Install the prism in this place (glue)



Fix the diode, the beam of which will be refracted, on the base. It will be stationary. Use 3mm screws, there are already threaded holes on the laser body.



Install the diode, the beam of which passes through the prism without refraction, on the adjustment bracket.



The adjustment mount is installed on the base through the slots. Use screws with a diameter of 4mm or less, but consider sufficient base length.

Now you can mount the entire model on the machine using the holes in the base (4mm diameter). Then focus both lasers at the same distance and move the "upper" laser using the adjusting mount so that the beams converge into one. Once you get a uniform point on the surface, tighten the adjustment mount screws (safer to do with the lasers off).

Our assembled multi-laser:

