

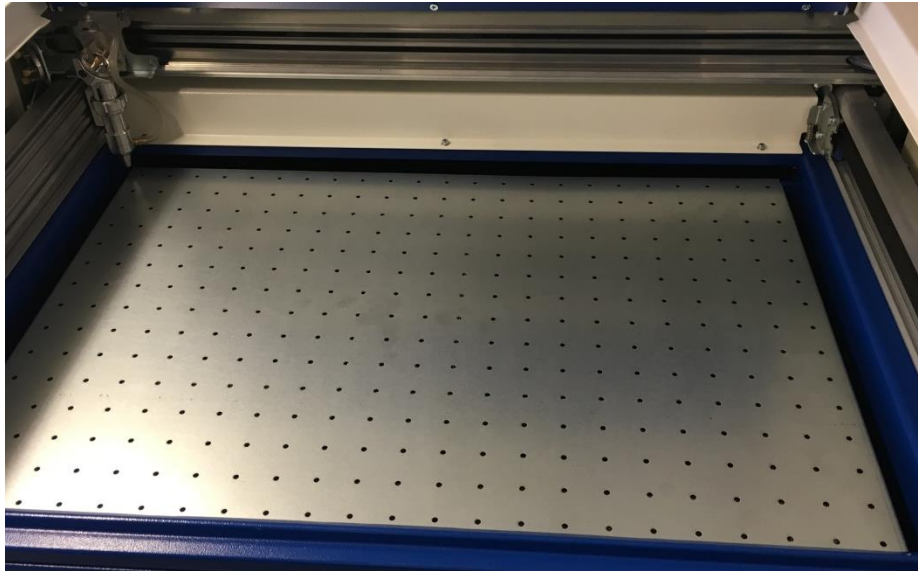
Flat Plate Vacuum Bed and Honeycomb Bed (Instructions for Dual Bed)

For dual laser machine beds in TMX laser machines where the beds include a flat plate vacuum bed and a mesh honeycomb bed, please use this sheet for reference on care and use.

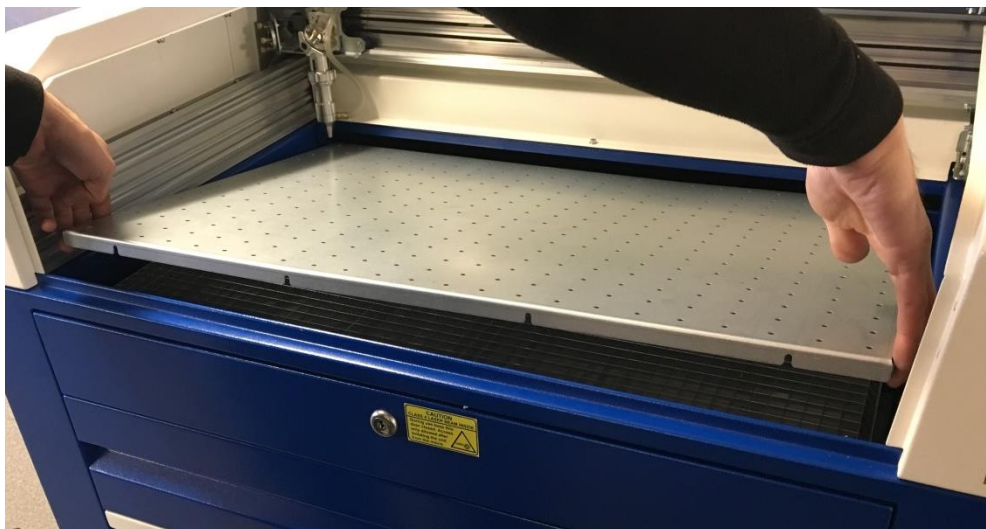
The bed is made up of two main sections – the honeycomb bed, which is covered by the flat plate with hole perforations to create the vacuum suction.

Converting the Vacuum Bed into a Honeycomb Bed

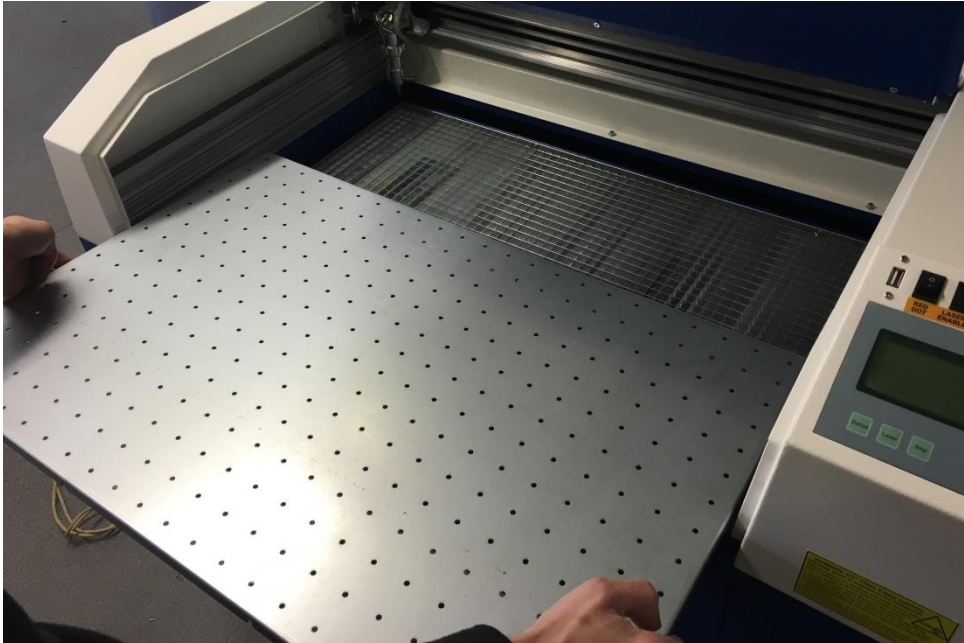
To convert the vacuum bed into a honeycomb bed, you need to remove the top flat plate from the machine. To do this, move the laser head into the back left corner (the traditional datum position).



Use your hands to carefully ease the perforated flat plate up, starting with the edge closest to you (front of the machine).



Then lift the back of the flat plate up and remove it from the machine. Please note that if you have any difficulty with removing the plate, ensure you have raised the laser head up as high as it can go; you can also move the Z axis of the machine down to create a greater distance between the plate and the laser head. Alternatively you can remove the laser head, but please ensure that you do not damage this part in this process.



The honeycomb bed is now revealed. You can resume using the laser machine with the honeycomb bed.



The honeycomb bed cannot be cleaned easily, as typically a pressure washer would be used and the force of this is too great and will damage the honeycomb structure. As such, we recommend replacing the honeycomb insert when it becomes too dirty to work effectively.

The area beneath the honeycomb bed must be cleaned out on a regular basis.

To do this, use pliers or a hook to gently pry the honeycomb insert out of the bed. Gently release the honeycomb in several places around the edge (i.e. in four locations along the front of the machine, and along both sides).



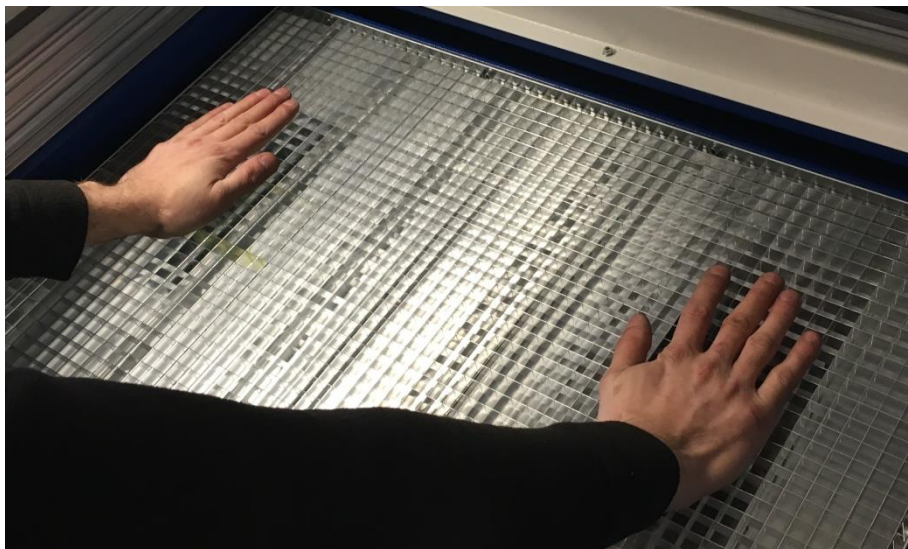
Then remove the honeycomb insert carefully with your hands (please wear gloves if you are concerned about the metal edges scratching your skin).

This will give access to the base support area, where you can use a vacuum cleaner to remove any debris. It is important that the area below the honeycomb is kept clean to avoid fire risk while the honeycomb is in use, and to avoid blockages of the air flow when the vacuum bed is in use.

Please be aware that this area should only become dirty with debris when the honeycomb is in use, at which time the operator can carry out a visual inspection to assess when the base needs cleaning out.



To fit the honeycomb insert back in place, and the top vacuum plate, please carry out the reverse of the above instructions. You will not need to use pliers to fit the honeycomb insert back into its location, but you will need to use your hands (with gloves if required) to gently press the honeycomb so that it lays flat.



Please ensure that when fitting the honeycomb back into position, you line up the pre-bent prongs of the honeycomb bed with the fixings that protrude into the honeycomb bed area (along the back/front of the machine).

