



Surfacing Your Tabletop

When you first start cutting with your [Industrial CNC Router](#), you may find that some parts of your design are deeper than others. This isn't anything to be alarmed about and just means that you need to plane the surface of your tabletop.

If you have a T-Slot tabletop, obviously you can't plane the aluminum, so the best option is to plane your sacrificial tabletop (a sheet of MDF, or other material, placed on your tabletop to prevent cutting into your table.)

If you have a Vacuum Hold Down table, you'll need to use MDF as its porous nature allows the vacuum to pull through it to hold down your stock.

First, make sure the sacrificial material is attached securely to the tabletop. I recommend **double sided tape** on the underside. This is to make sure that when you plane the surface, that sections won't lift up, because the planing has made the material lighter.

For Vacuum tables, you can screw or bolt the MDF to the tabletop at the corners. (just make sure your bolts are outside the vacuum zone areas)

You'll then want to insert a **fly cutting** bit. (note that bits bigger than 1.5" become unbalanced very easily)



In your BobCAD program, make a rectangle the size of your sacrificial sheet and tell it to "pocket" the inside.

Post the G-Code and open it in your Mach 3 to surface your table.