

## Have you ever had pod marks on your material that do not simply wipe off?



Odds are good that you have a **leak in vacuum**, or not enough vacuum under the material, resulting in an **etching** on the material. A leak or insufficient amount of vacuum can cause **micro-vibrations**. If you combine the micro-vibrations with the **machined particulates** from the material, pulled through the vacuum lines, you can get “**ghosting**” marks.

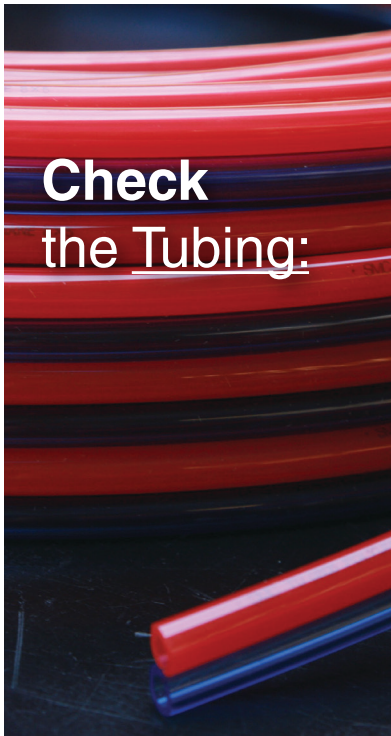
## Check the Top & Bottom Seals:

- The seals should NOT be separated or sitting at a height level with the hard pad or bottom metal plate.
- The seals should NOT be firm to touch.



## Check the Fittings & Valves:

- Pod air fittings and manifold combo valves should be clicking in and out.
- If they do not, they need to be changed so there is no vacuum leak.



If they  
are firm,  
snip the  
tip off  
square  
and  
plug it  
back in.

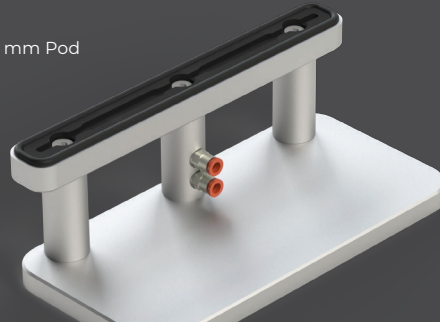
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Ensure  
vacuum lines  
are **soft** at the  
**tip**; where  
they plug into  
the air fitting.

**PLACE AS MANY  
VACUUM PODS UNDER  
THE MATERIAL AS  
POSSIBLE, WHILE  
LEAVING CLEARANCE  
FOR THE TOOLS!**

If there is only enough material  
and clearance for a narrow rail  
(Ex. 1), you may need to apply a  
Small or Large Edge Clamp (Ex. 2)  
around the pod and material to  
ensure there is no vibrating.

**Ex. 1**  
40 x 150 x 300 mm Pod



**Ex. 2**  
Edge Clamps



Small Edge Clamp



Large Edge Clamp

