

Are you using your vacuum cleaner?

Much like our homes and cars are more pleasant to be in when they are dust-free, your laser machine's innards also need to be kept (relatively) clean to keep performing.

Busy laser machines tend to accumulate lots of dust in hard-to-get-to places - especially when cutting or engraving a lot of MDF.

The tube area tends to gather a lot of dust - as does the high voltage power supply, and of course, the top of the lens will also most likely get covered with dust.

So what to do? Vacuum, of course. And maybe even blow out with compressed air as well. And keep your lens clean.

If you have never cleaned the dust from your power supply or tube, it may be advisable to use an air compressor to first try and blow out most of the debris before using the vacuum cleaner.

Be aware that this will most likely cover the room - and you - in MDF dust, so be prepared for that.

Set up a routine of vacuuming any loose dust that you can see - and vacuum through the slats in the high voltage power supply - at least once a month. More often if you do a lot of wood work.

Not keeping the power supply dust-free is a sure-fire way to create a fire. The moisture in the wood dust will cause short circuits, and allow the high voltage to arc to earth - most likely ending up igniting the wood dust - and forget about insurance paying out if they find it looking like the pics on the left.

A dirty lens (and mirrors) will not be as likely to cause a fire, but replacing them can be expensive - so keep them clean as well, because your laser will heat the dust, causing your lens to melt - and if you don't have molybdenum mirrors (silver colour), the same applies.

Lesson to be learned?

If your power supply fails within the warranty period of 6 months, and we find it looking like the one shown here, you will NOT have a warranty claim.

Also, anything else that needs to be replaced (that was damaged because you did not keep your machine clean) will also NOT be covered by any warranty.



Filthy dirty, icky, clogged, and downright dangerous. This is a fire waiting to happen



Wood dust is highly combustible, and will also cause the high voltage to arc - recipe for disaster.



Dust spots burned into the lens will cause the beam not to focus correctly - new lens needed.

