

Laser head constantly pauses for cooling

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Does your laser head regularly pause for cooling?

You will only get this software message, when the laser head exceeds a certain temperature. It will then pause for 30 seconds for safety reasons. This should mostly be ok. However, if you are seeing this message very often, please check the following:

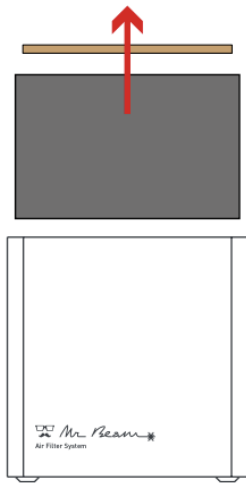
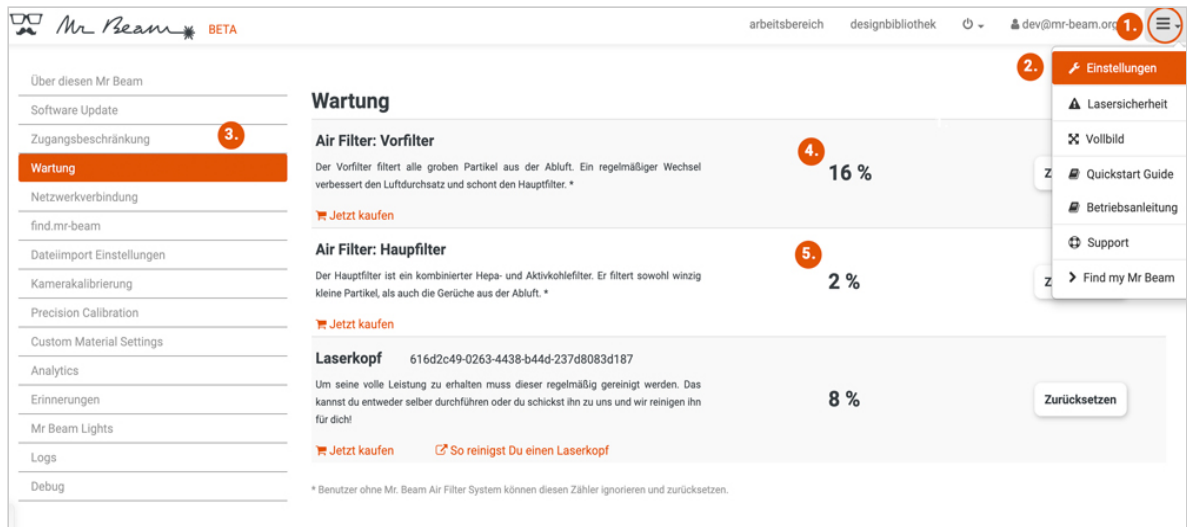
1. Is the **laser head dirty** and needs **cleaning**? Or have you put it back together incorrectly after cleaning?



It depends a lot on the materials you laser cut and engrave how often you actually need to clean your laser head. If you work a lot with **leather, wood or paper**, we recommend to clean your laser head and check your pre-filter **more regularly**, than if you are working with **acrylic, felt or foam rubber**. We have put together a tutorial on **how to clean a laser head** (<https://support.mr-beam.org/en/support/solutions/articles/43000504618-how-to-clean-a-laser-head>). This is also where you can double-check, whether you have put together your laser head correctly.

2. Does your air filter need to be changed? Following signs will help you to answer this question:

- Are there fumes and sharp smells inside the device housing of your Mr Beam?
- Is the fan inside your Air Filter rotating faster, thus making a louder noise than usual?
- What filter status are you getting in the software? (*Settings > Maintenance*)



Step 1:

Please replace your pre-filter mat with a clean one. To do this, please unscrew the lid of your filter and lift it to remove it, then take out your pre-filter mat. The more often you change your pre-filter, the longer the main filter is going to serve you. You can order a **pack of new pre-filters in our shop** (<https://store.mr-beam.org/collections/featured/products/prefilter-for-the-mr-beam-airfilter-system>).

Step 2:

If you don't experience any improvements, please replace your main filter. You can order a **new filter in our shop** (<https://store.mr-beam.org/collections/zubehor/products/activated-carbon-filter-for-the-mr-beam-air-filter-system-incl-5-prefilter>).

Below are some examples to give you an impression, what a dirty laser head or a used-up pre-filter might look like:



Photographs; courtesy of [Euer Konstantin](https://www.youtube.com/c/EuerKonstantin) (<https://www.youtube.com/c/EuerKonstantin>),
(<https://store.mr-beam.org/collections/featured/products/prefilter-for-the-mr-beam-airfilter-system>)