

Protect your 3d printer fans

Protecting your 3D printer fans is increasing the lifespan of your 3D printer!

Protecting them from what?

- From dust that can:
 - Reduce the performances of the fan
 - Increase fan's coil temperature
 - Generate vibration due to non homogeneous dust repartitions
 - Making your fan noisy
- From screw driver hitting the blades (when we have to tinker something)
- from your fingers or any other object touching the fan's blades

How to protect them?



- Against dust, use **Dust filters**:
 - [Dust filter for 80mm fans](#)
 - [Dust filters for 120mm fans](#) (type [Noctua NF-S12B redux](#))
 - [Dust filter for 40mm fans](#) (type [Noctua NFA4x10 FLX](#))

Important points about dust filters:

They will protect your fans from dust but might decrease

maximum airflow by doing so.

So make sure to **never use** dust filters on **Hotends cooling fans** as they always need to keep their maximum airflow.

in this case consider cleaning them often manually.



- Against screw drivers hitting the blades
 - [30mm fan protection grid](#) (ideal for hotends like [E3D V6](#))
 - Previous dust filters that can also act as fan guards.

List of 3Dtox nozzles tips for your 3D printer



3Dtox is a filtration system that is filtering most of particles generated by plastics used on 3D printers.

The system allows to suck and filter most of the particles generated through an adapted filter. This filter is able to cope with most of the particles and gazes generated by 3D printers filaments

our study ([available here](#)) allows to understand what kind of gazes/particles are emitted by 3D printers filaments such as ABS. It also describes what kind of filter to use in order to safely cope with these.

3Dtox also integrates a builtin display that will give you the printing time duration and will also tell you when to change the integrated filter to keep the best performance possible.

How to get 3Dtox

3Dtox is available on our website here:

<http://3dmodularsystems.com/fr/3dtox/423-3dtox-le-purificateur-d-air-pour-imprimante-3d.html>

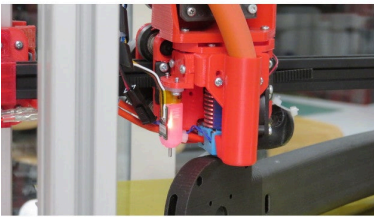
Installation

3Dtox kit allows to integrate the system on most rewrap 3D printers on the market. Thanks to specially designed nozzle tips that will suck the generated particles as close as possible from the 3d printer nozzle.

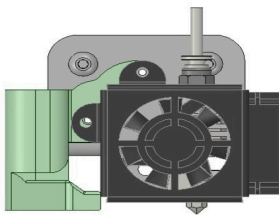
If you cannot find any nozzle tips for your machine, please make sure to contact us at contact@3dmodularsystems.com so that we can design a nozzle tip for your system.

Available nozzle tips

- [Scalar 3D printers \(S, L, XL Premium\)](#)



- [Zortrax Nozzle tip](#)
- [CR-10](#)



- [Hephestos 2](#)

