



YOMAGINE

Kossel Mini Dual Layer Fan and PEEK cooling Fan

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Located at: <http://www.youmagine.com/designs/kossel-mini-dual-layer-fan-and-peek-cooling-fan>

Short description:

One of the most effective addons for my Mini Kossel: To achieve good results when printing PLA, especially with lots of overhangs or bridges, a dedicated layer fan is essential. Two of them are even better. And, well - it works like a charm. :-)

Description:

<p>One of the most effective addons for my Mini Kossel:

To achieve good results when printing PLA, especially with lots of overhangs or bridges, a dedicated layer fan is essential.

I use the "high-rpm", server-grade version of Sunon fans (Type: HA30101V2-0000-A99). The important part in the ID is "V2". This indicates the 9k rp/m version. The ones usually sold are marked "V3", they run with 5.6k rp/m and are meant for home entertainment applications. They run quieter but with less airflow. </p><p>I uploadet two designs:
</p><p>-The fist one (...-type2.stl) for the standard JHead. It has two 50° air nozzles and it is my preferred design at the moment. I've added two mounting brackets with M3 holes for future use. Maybe for some kind of Z-sensor.
</p><p>-The other one (...-long.stl) is for longer hot-ends (like the marlin or some of the infamous JHEAD Mk IV clones). It has two 35° air nozzles.
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If you can, please use the online documentation found at <http://www.youmagine.com/designs/kossel-mini-dual-layer-fan-and-peek-cooling-fan> because those may have been updated. Also, there you can interact and provide praise and/or feedback.