



MK4S X MK3S+ Fan Shroud



[VIEW IN BROWSER](#)

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Summary

Now us ol' fashioned MK3S+ users can experience amazing MK4S 360o part cooling!



1.64 hrs



3 pcs



0.30 mm
0.15 mm
0.20 mm



0.60 mm



ASA



13 g



Prusa
MK3/S/S+

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Tags: [360](#) [fan](#) [cooling](#) [fanshroud](#) [mk3splus](#) [mk4s](#)

This project is still a WIP, but I have been able to successfully print multiple working versions of this model (and am currently using it on an MK3S+ to print more).

Purpose: Create the simplest, one-piece replacement version of the current fan shroud for the MK3S+ using new developments in 360o cooling released on the MK4S model.

My current configuration:

--Prusament ASA

--0.6mm Nozzle

--0.30mm layer height (can go down to .15 or .20). Pictures show the .20mm version by itself, and the .30mm version mounted on extruder assembly.

--Organic supports painted on around the round air vent portion of the model.

(Other designers have been adapting the full fan case for the MK3S+, see:

<https://www.printables.com/model/977380-prusa-mk4s-fan-mod-for-mk3s-original-toolhead>

for an example.)

8/29/24 - V3 includes thicker wall (.90mm) on angled slope of lefts side. Some areas are still a bit messy when printed, but still fit generally well on the extruder assembly.

This remix is based on



i3 MK3S+ printable parts

by Prusa Research



MK4S/MK3.9S printable parts

by Prusa Research

Model files



mk4s_x_mk3s_fanshroud_v3.stl

☐ Print with ASA or PC

Print files



mk4s_x_mk3s_fanshroud_v3_wsupport_06n_03mm_asa_mk3s... .gcode

⊗ ASA ⚙ 0.60 mm ≡ 0.30 mm ⌚ 0.39 hrs ⚖ 4 g 🖨 Prusa MK3/S/S+

📄 w/limited organic supports included.



mk4s_x_mk3s_fanshroud_v3_wsupport_06n_015mm_asa_mk3... .gcode

⊗ ASA ⚙ 0.60 mm ≡ 0.15 mm ⌚ 0.71 hrs ⚖ 4 g 🖨 Prusa MK3/S/S+

📄 w/limited organic supports included.



mk4s_x_mk3s_fanshroud_v3_ws supports_06n_02mm_asa_mk3... .gcode

⊗ ASA ⚙ 0.60 mm ≡ 0.20 mm ⌚ 0.54 hrs ⚖ 4 g 🖨 Prusa MK3/S/S+

📄 w/limited organic supports included.

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