



((updated)) Hi-flo directional cooling duct for duplicator 4s ((might work with other open face printers))

 **Delukart**

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Summary

((update)) ..I added a 10 degree tilt to the cooler and lowered the attaching point for the cooler on the arm by..

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((update)) ..I added a 10 degree tilt to the cooler and lowered the attaching point for the cooler on the arm by 1.50mm .. to keep the cool air off the head and more aimed at the extruded filament..

when i have another day off i will rework it in abs to bring it tighter to the carriage.(waiting for my abs to come in.)for now this thin pla wont melt at this distance .

i have been disappointed by the cooling options for these style printers due to lack of room . so i decided since i had a day off i might as well try to

solve that problem..well here you go.(print with pla). for the duplicator 4s. if you want good cooling for pla you might aswell take off the front panel and the side window. so i did that and made these directional coolers that work amazing(and are very light) .. (the front face has to come off).. sorry 4 and 4x users..

the coolers are directional for for great spread of cool air across the extruded filament..

Instructions

must rotate and sit flat on the fan mount to print.

i printed this in pla at

layerheight 0.10

shells 2

infill 0.1

speed 20 keep it slow!! very thin wall.

no raft no support.

first install the bracket with the fan to the extruder.

then install cooler to the bracket .(i used the very small m3 screws that came extra with my printer.

Category: 3D Printer Parts

Model files



cooler_bracket_right_side_v2.stl



hi_flo_cooler.stl



cooler_bracket_left_side_v2.stl

[Find source .stl files on Thingiverse.com](#)

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