Protective Visor by 3DVerkstan

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Located at: http://www.youmagine.com/designs/protective-visor-by-3dverkstan

Short description:

Protective visor optimized for fast FDM printing

Description:

Since the medical community currently (2020-03-20) has a urgent need for protective visors and other PPE for our heroes that spends their days battling COVID-19, myself and my co-workers at 3DVerkstan have spent a lot of time during the past few days designing a printable visor. This in a WORK IN PROGRESS, and might get multiple revisions during the coming days/weeks, but this first released version is the first one on its way to be tried out by a local hospital. The plastic shield can be made out of any semi-stiff plastic sheet between 0.1 and 1mm, including overhead film, cover sheets for binding machines etc, as long as it is available in a suitable format. There currently are 3 different versions. One for SWEDEN, one for EUROPE and one for NORTH AMERICA. For information about the different versions: https://3dverkstan.se/protective-visor/protective-visor-versions/ If you need it to sit tighter on your head or if you are leaning over patients a lot and worry about it falling off, a simple rubber band can be put over the two hooks in the back. For help with print settings: https://3dverkstan.se/protective-visor/protective-visor-print-guide/ You need approx a 210x210mm build area to print two at a time, and about 160x190mm if you are OK with only doing one at a time. The 3MF file shows how you can put 3 of these on a single Ultimaker S5 print bed and print them in 21 minutes per piece with a 0.8 mm nozzle.

If you can, please use the online documentation found at http://www.youmagine.com/designs/protective-visor-by-3dverkstan because those may have been been updated. Also, there you can interact and provide praise and/or feedback.