



We are so excited to announce that our prototype has reached the point of a production device.

We ready to start mass making face shields to protect the real Heros of our community, the medical professions and first responders who are working to save lives.

#### **How you can help:**

In the coming days, we will have a website where information, scheduling, support, and other functions will be ready. But since time is of the essence we are ready to get the files working with you the first responders of the 3d printing community of Houston.

I have attached our stl.

Currently, we are ramping to produce 1-2k and may want to ramp to produce over 10k daily. By our calculations that will take between 800-1200 printers depending on utilization and speed.

Here is how to proceed:

- Download the stl.
- Setup to print one unit. print in the provided orientation using pla filament with .2mm layer height 10% infill with no supports. The design requires you to tweak your extrusion width to ensure no infill. We want basically a solid print with no space or infill within the print.
- Once you have the print completed, place it on a contrasting surface and then take 6 pictures of the unit. One from overhead looking straight down. One each from the front, left, right, and rear. Make sure that the picture is close enough that the unit fills as much of the frame as possible. lastly, take a closeup picture of the rear protrusion from the units.
- Once you have done this please email this to [VerifyPPEforHeroes@txrdxlabs.org](mailto:VerifyPPEforHeroes@txrdxlabs.org)
  - Ensure it has a subject line "Verify My Print"
  - Include the following:
    - Your Name
    - Contact Phone
    - Best Contact Email
    - Number per day you can commit to
    - The total number you can commit to
    - Type of printers you will be using including count
    - Slicer software you prefer to use.

Next wait for our response to verify your print we will respond asap to allow you to start mass printing or troubleshooting to get the print correct.

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**What will happen after....**

Instructions will be provided after you get verification to print but as a preview, it is outlined briefly below.

Once we get your prints within spec we are working to have a transport company come and pickup sets of 25 units or more at a time from your location without coming in contact with you to ensure we do further harm to our community.

From there your parts will be sanitized, put through qc, and then packed for delivery to Medical Professionals and First Responders.

You will receive an email upon processing of each set of orders you deliver so you can get feedback on print quality or other issues.

Notes about materials:

If you have a print farm (5+ printers). We can provide filament but you will need to commit to printing a minimum of 85 per kg of filament

If you are an individual we would greatly appreciate if you could supply reasonable quality plain pla of any color as managing spool delivery and not wasting resources is critical to speed and efficiency. If you are resource-constrained we can provide reimbursement of 1kg of filament per 85 units delivered.

For any questions or suggestions please email:

[ppehelp@txrxlabs.org](mailto:ppehelp@txrxlabs.org)

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