

Dear Structo partners and the global community,

I hope this letter finds you well and healthy amid the worldwide pandemic that we are going through together. At Structo, we are constantly assessing the situation and recognize the strain the coronavirus pandemic has placed on the economy and supply chains worldwide. **Therefore, we have repurposed all available resources to focus on manufacturing various medical devices and PPE to help battle the coronavirus.**

With the help and support from our investors (including Wavemaker, Enterprise Singapore, and EDB Investments), we hope the following initiatives will be able to help healthcare professionals both in Singapore and globally in the battle against COVID-19.

## **I. 3D-PRINTED NASOPHARYNGEAL SWAB (NPS)**

Nasopharyngeal swabs (NPS) are used for the detection of respiratory viruses. Healthcare professionals place this swab into a patient's nasal cavity to collect a sample that will be used to test for the presence of COVID-19. Due to the rapidly increasing number of suspected cases worldwide, there is a severe shortage of NPS swabs to keep up with testing demands.

**We have allocated all available 3D printers in our facilities to focus on manufacturing this medical device round-the-clock and we will be ramping up production in the coming months.** We are also working closely with the relevant healthcare and regulatory authorities to ensure that these medical devices adhere to all safety regulations and is safe for final use by healthcare professionals on patients.

**Specifically, we have filed and registered with the FDA (Class 1) (United States) and HSA (Class A) (Singapore) this "Structo Nasopharyngeal Swab which we manufacture in our ISO 13485-certified facilities in Singapore.**

If you have a need for manufacturing NPS swabs in large quantities, feel free to reach out to us at [COVID19@structo3d.com](mailto:COVID19@structo3d.com). We would be happy to work with you. We are working to make the digital files of these swabs available for you to download from our website as soon as possible, along with instructions and requirements for safe and compliant manufacturing.

## II. 3D-PRINTED FACE SHIELDS

Full-face shields are used as a supplementary device to help healthcare professionals stop the spread of COVID-19 in hospitals. With the global shortage of personal protective equipment (PPE) in healthcare institutions such as surgical masks and N95 masks, these 3D-printed face shields may serve as another option.

The face shield comprises of 3 components:

1. 3D-printed frame
2. Clear plastic shield
3. Fastener

If you have are in need of these PPE supplement device in large numbers, feel free to reach out to us at [COVID19@structo3d.com](mailto:COVID19@structo3d.com).

## FINAL WORDS

We are open to working with any institutions, researchers or government agencies that have a need for additive manufacturing expertise related to the fight against the crisis. If you have any specific requirements that you would like to explore, please feel free to reach out to us.

We hope some of these initiatives will help speed up our fight against COVID-19 around the world. To stay updated on these initiatives, please visit [www.structo3d.com/covid19](http://www.structo3d.com/covid19).

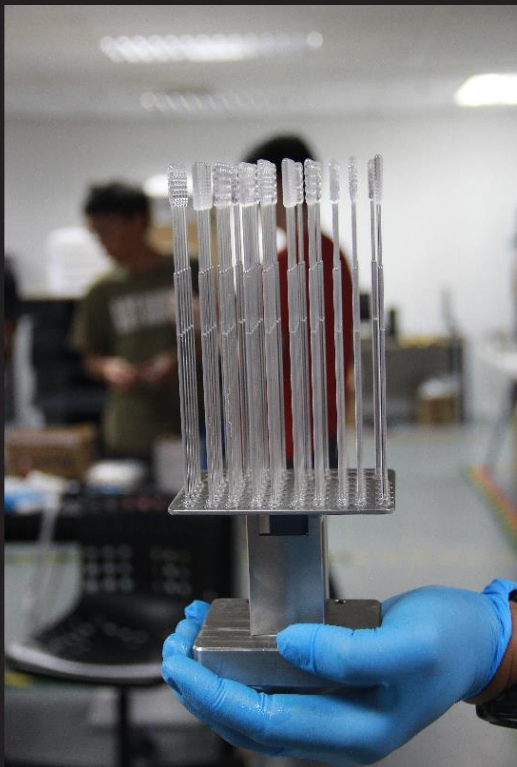
Thank you very much for your support during this challenging time.

I wish you the very best of health.

Sincerely,

Huib van Esbroeck  
Founder

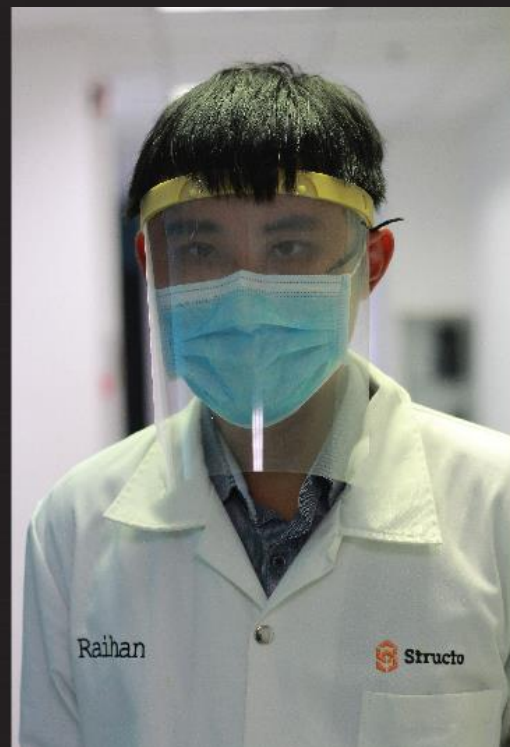
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