

Printable Face Masks to Combat COVID-19

Why Printable Face Masks?

There is a need to have these masks for non-frontline workers and currently there are doctors in Manitoba and elsewhere relying on the commonly available printed versions.

What are Printable Face Masks?

An injection mold-able facemask conversion for use in an emergency sense by health care providers. A simple pair of plastic components that clip on to a set of ray-ban wayfarer style glasses (these are the same type of promotional sunglasses used all over the world, they're quite ubiquitous).

Benefits

- **Highly Affordable.** If the design is properly implemented/distributed, it can be used to make a highly affordable facemask that clips on to a very common type of sunglasses with the lens removed, and it also uses overhead transparencies as the shield material.
- **Adaptable.** The design can also be adapted to other types of glasses. The main mechanism for attachment requires the tapered beam shape present on this specific design.



PRINCIPAL INVENTOR

Nishant Balakrishnan
Design Instructor
Faculty of Engineering
University of Manitoba

CONTACT

Darren Fast
Director, Partnerships & Innovation
E-mail: Darren.Fast@umanitoba.ca
Phone: (204) 298.1563