

# #CORONAVIRUS PPE LIST

## INTRO

During these tough times of Covid-19 emergency, maker communities are working to find solutions to the lack of Personal Protective Equipment.

This on-going list of open source projects aims at providing an overview of the state of art and interesting sources that can be useful for either your research or the contribution you want to make.

It is made by OpenDot staff.

We'll keep it up to date.

*last update: 04-27-2020*

## MASK

### Homemade face mask

- HK Mask <https://diymask.site/>
- Sew to save <https://www.sewmask.org/>
- Protective face mask <https://insideweather.com/pages/opensource-mask>
- DIY protective gear <https://wikifactory.com/+snapmaker/diy-protective-gear>

### Professional face mask

- Open source mask <https://www.opensourcemask.com/en/>
- NanoHack <https://copper3d.com/hackthepandemic/>
- MakerMask <https://makermask.org/>
- Guardian G-Volt <https://www.dezeen.com/2020/03/06/guardian-g-volt-face-mask-graphene-coronavirus-bacteria/amp/>
- 3D printed Mask <https://www.3dwasp.com/mascherina-stampata-3d-da-scansione-3d/>
- Everymask <http://www.pastinaisgood.com/aria-project/>

## FACE SHIELD

- Flu Reusable mask <https://grabcad.com/library/coronavirus-flu-reusable-mask-1>
- Face Shield <https://wikifactory.com/+makersvs covid/face-shield>
- Visera protectora COVID <https://wikifactory.com/+covidmakersmadrid/visera-hospitales>
- 3D Face Shield V3 <https://budmen.com/?elqTrackId=946352961b79457dbc8531c8fd75da1a&elqaid=4271&elqat=2>

- Prusa Protective Face Shield <https://www.prusaprinters.org/prints/25857-prusa-protective-face-shield-rc1>
- My Space Helmet <https://www.3dwasp.com/casco-di-protezione-ventilato/>
- Stratasys Face Shield <https://3dprint.nih.gov/discover/3dpx-013421>
- Simple face shield <https://wikifactory.com/@adammiklosidesign/simple-face-shield>

## VENTILATOR

- CPAP instrumented machine <https://gitlab.fabcloud.org/pub/project/coronavirus/cpap-instrumented-machine>
- MIT Emergency Ventilator (E-Vent) Project <https://e-vent.mit.edu/>
- MIT low cost ventilator <https://github.com/Mike4tech/openVentilator/tree/master/MIT%20Low%20Cost%20Ventilator>
- Evaluation of OS projects <https://docs.google.com/spreadsheets/u/2/d/e/2PACX-1vTYAfldxoliO46VAWH1NlhrwFBn9mguqS2bh1spnIEu4AVVN1cj1vaEm6vOp5Z6UnaAbUwd8dslCXdM/pubhtml>
- Open source ventilator <https://opensourceventilator.ie/>
- OS ventilator project <https://simulation.health.ufl.edu/technology-development/open-source-ventilator-project/>

## INTUBATION BOX

- Intubation box <https://gitlab.cba.mit.edu/zfredin/intubation-box>
- Intubation box <https://intubationbox.com/>

## OTHERS

- Hands-Free 3D-Printed Door Openers <https://www.materialise.com/en/hands-free-door-opener>
- Space divider <https://fightcorona.twikit.com/>
- Adapter <https://www.thingiverse.com/thing:4217850>
- Doorknow handle <https://www.thingiverse.com/thing:4224517>
- Handy tool for kids <https://www.thingiverse.com/thing:4220694>
- Key chain for opening doors and push buttons <https://www.thingiverse.com/thing:4234483>
- CTC coverall <https://wikifactory.com/+ctc/ctc-coverall>
- Reusable Full-Face Snorkel Mask PPE Project <https://docs.google.com/document/d/1J22le3dBZBnNDXGllRb38z7v7LaOjKfDeN9f0tFeKY/edit#heading=h.qepwlul21cwk>
- Ear saver for Healthcare <https://www.thingiverse.com/thing:4264442>
- CTC Isolation Gown <https://wikifactory.com/+ctc/ctc-isolation-gown>

## COLLECTION OF PROJECTS

- Global map of innovative solutions created in response to Covid-19 <https://coronavirus.startupblink.com/>
- Useful 3D print tools <https://cults3d.com/en/collections/useful-3d-printed-coronavirus-covid19-tool>
- Projects collection&ranking <https://docs.google.com/spreadsheets/d/>

- **Projects by Artefactos** [11NwynCUNvNsInM02d3pVX3\\_CmYx1TIBV7HORecJ2kng/edit#gid=1871096002](https://www.artefactos.org/proyecto-covid19/)
- **Catalogue of projects validated by Laboratori 3D del Parc Taulí** [https://www.artefactos.org/proyecto-covid19/](http://www.tauli.cat/institut/planificacio-quirurgica-impressio-3d/covid-3d/)
- **Prakash lab - OS projects** [http://www.tauli.cat/institut/planificacio-quirurgica-impressio-3d/covid-3d/](https://web.stanford.edu/group/prakash-lab/cgi-bin/labsite/covid19/)
- **3M Resources for Covid 19** [https://web.stanford.edu/group/prakash-lab/cgi-bin/labsite/covid19/](https://www.3m.com/3M/en_US/worker-health-safety-us/covid19/)

## ACTIVE MAKERS GROUPS

- **Fab Foundation - Tracking projects on coronavirus** <https://gitlab.fabcloud.org/pub/project/coronavirus/tracking>
- **Wikifactory \_ Active projects lists** <https://wikifactory.com/+wikifactory/stories/coming-together-as-an-open-community-for-viral-response>
- **Open Source COVID19 Medical Supplies** [https://www.facebook.com/groups/opensourcecovid19medicalsupplies/?hc\\_location=ufi](https://www.facebook.com/groups/opensourcecovid19medicalsupplies/?hc_location=ufi)

## MATCH-MAKING

- **Projects by hopiteaux de Paris** <https://covid3d.org/>
- **Make in Italy** <http://www.makeinitaly.org/>
- **Viral response** <https://viralresponse.io/>
- **Formlabs for Covid19** [https://docs.google.com/forms/d/e/1FAIpQLSe015Ylohgm7hE5IRsekdK01\\_OqElyeSAzqyHx7HbOmrJ\\_MjO/viewform](https://docs.google.com/forms/d/e/1FAIpQLSe015Ylohgm7hE5IRsekdK01_OqElyeSAzqyHx7HbOmrJ_MjO/viewform)
- **Tech for care** <https://techforcare.com/>
- **Makers vs Covid** <https://makerscovid.paris/>
- **COVID-19 Research Project Tracker** <https://www.ukcdr.org.uk/funding-landscape/covid-19-research-project-tracker/>