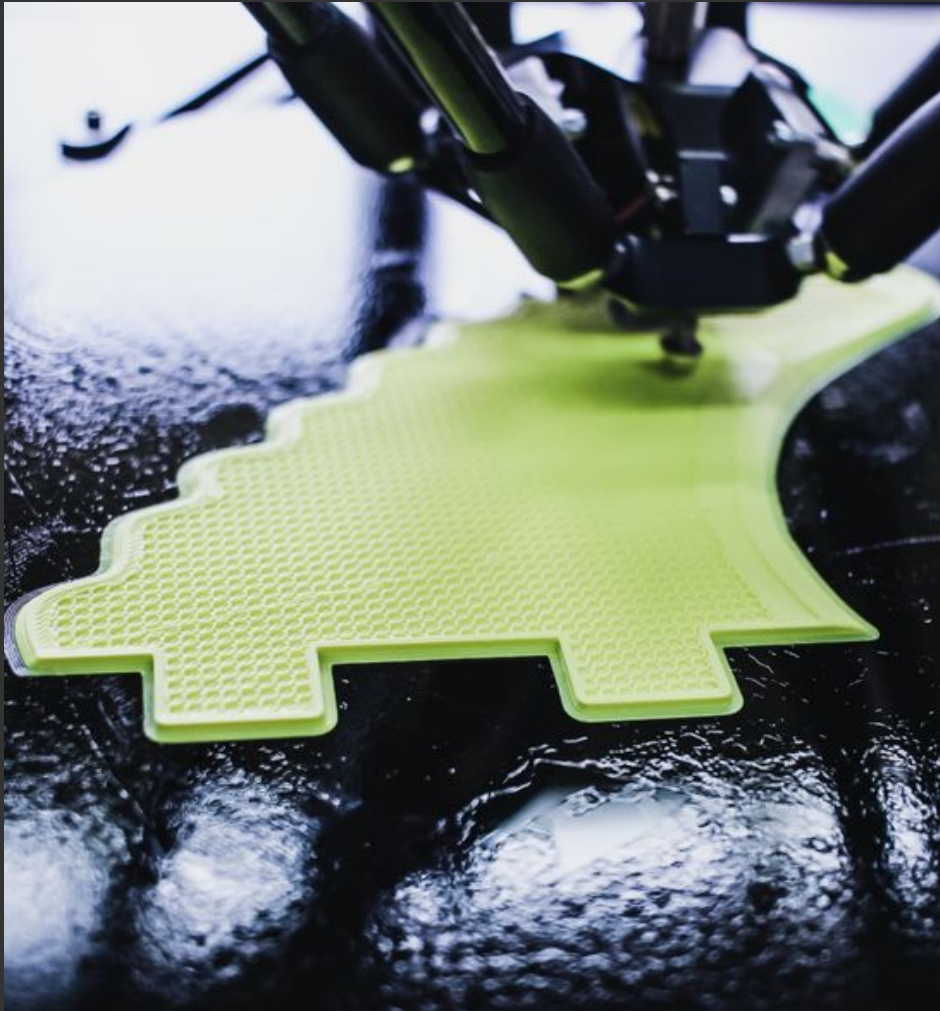




3D Printing During a Pandemic

3D printing can help fight against COVID-19



With the recent Coronavirus outbreak spreading its way across the world, Supplies of face shields, face masks, and parts for respirators and ventilators are in short supply, this shortage has motivated actions by the worldwide 3D printing community.

From products and components for face shields, adapters for masks to avoid discomfort and to various breathing apparatus, 3D printing filaments are encouraging people to think 'outside the box' and many are sharing their ideas in the hope that it will help lower the infection rate across the globe.

Many countries are seeing healthcare systems stretched by COVID-19. And in some severe cases, those infected will require specialist ventilators to assist breathing in patients.

Products such as face shields, masks and other PPE is in short demand - and the shortage of this essential gear has united engineers in the 3D printing world.

Many Makers have already responded to the crisis by offering their skills and services to help healthcare systems and manufacturers.

How 3D Printing Is Helping Fight Coronavirus



3D printing groups around the world are helping to combat PPE shortages resulting from the outbreak. They're using Social Media to come together from afar.



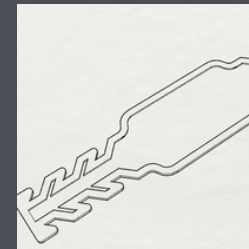
Hands-free 3D-printed door handles and bells are being printed in efforts to help combat the pandemic. You can use these safely by using elbows and arms.



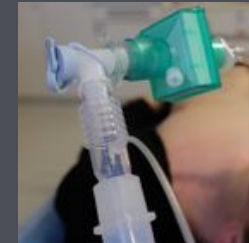
Many Hospitals are utilising 3D printing to make nasal swabs for testing. The production of these are being done in controlled ways - so it's not recommended for everyone to make these.



Makers are producing 3D printed Face Shields and stethoscope tubing to help Health Services and Front Line workers.



Simple buckles - or 'ear savers' - which ease the discomfort on face masks are becoming more popular every day.



Ventilator valves and parts are also produced to save lives amidst the virus. These must be given the go-ahead from Health Authorities - if not, it could result in a bigger problem.

Do you have a 3D Printer?

As the world fights a pandemic, people in possession of a 3D printer may be able to make some kind of contribution. Many manufacturers, places of education and big brands worldwide are switching over to face mask production. Plus many individuals are also getting involved, and that gives people who own 3D printers a chance to feel like they are doing something in the fight against the virus. The European Commission is working with the European Association for Additive Manufacturing on projects to produce medical equipment for hospitals tackling the COVID-19 outbreak.

3D printing now has an opportunity to prove itself as a solution for fast production of essential components for simple or life-assisting products...



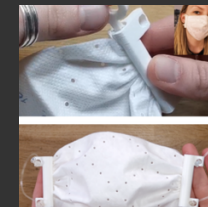
Soap Holder



Face Shields



Creative Mask attachments



Face Mask Accessories



Contactless Door Handle Aids



Contactless Door Handle Aids

Remember, If you chose to make something for others, assume you have the virus, keep all surfaces and materials clean, and put them into a sealable plastic bag to keep them from any contamination.

Shop the RND 3D Filament Range



PLA Plastic Filament: Stands for polylactic acid. Its environmentally friendly: its biodegradeable and produced with plant based resources (corn starch, sugarcane for example). It can be called a 'green plastic'.

PLA eventually breaks down when exposed to the environment. While not soluble in water, it can absorb a lot of water.

Its features include low printing temperatures, high strength combined with low shrinkage and low warping.



Features:

Eco-friendly / biodegradable

Colours: Black, White, Red, Green, Blue, Transparent, Orange, Silver

High strength , Tension (kgf): 11 ... 16 Melt

Low shrinkage / warping

Good tensile strength and surface quality, easy to work with at high print speed

Allows the creation of high-resolution parts

Easy to print / odorless

Compatible with all types of FDM 3D printers, suitable for printing artworks, components and crafts

Applications:

Architecture Models, Hobby & Education, Prototyping, Engineering, Medical

Technical Specification

Art. No.	Type	Colour	Diameter	Weight
30167943	RND 555-00170	Black	1.75 mm	500 g
30167944	RND 555-00171	Black	1.75 mm	1 kg
30167945	RND 555-00172	White	1.75 mm	500 g
30167946	RND 555-00173	White	1.75 mm	1 kg
30167947	RND 555-00174	Blue	1.75 mm	500 g
30167948	RND 555-00175	Blue	1.75 mm	1 kg
30167949	RND 555-00176	Red	1.75 mm	500 g
30167950	RND 555-00177	Red	1.75 mm	1 kg
30167951	RND 555-00178	Green	1.75 mm	500 g
30168182	RND 555-00179	Green	1.75 mm	1 kg
30168183	RND 555-00180	Transparent	1.75 mm	500 g
30168184	RND 555-00181	Transparent	1.75 mm	1 kg
30168185	RND 555-00182	Silver	1.75 mm	500 g
30168186	RND 555-00183	Silver	1.75 mm	1 kg
30168187	RND 555-00184	Orange	1.75 mm	500 g
30168188	RND 555-00185	Orange	1.75 mm	1 kg

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