



Mayku Masks

Key Messages



Mayku have collaborated with the **Royal Academy of Engineering** and the **University of Leeds** to create an **open-source N95 style medical mask** that can be manufactured on a desktop using a 3D printer and the Mayku FormBox.

The original Care-Mayku Mask was tested using specific **filter material, Separet 2402 and Separet 1520**, produced by Freudenberg Filtration Technologies KG. It has been tested in accordance with the EN 1827:1999 + A1:2009 European Standard for particle filtering half masks with separable filters **in accordance with the EU 2020/403 recommendation for minimum test requirements appropriate for the specific circumstances of healthcare workers during the COVID-19 pandemic.**

Due to the difficulty in obtaining stock of Separet filter materials during a global pandemic, Mayku are sharing the Mayku Mask instructions as an open-source resource in order to support the supply and demand of critical PPE during COVID-19 and beyond. **We have included a list of suggested alternative filter materials, but you may wish to conduct your own tests locally.**

Key Benefits of the Mayku Mask:

- No minimum order quantity, make what you need as you need them
- Made of recyclable PETG, making it reusable and easy to clean
- Scalable PPE production can be set up within the space of a single desktop
- A single reusable Mayku Mask can be made for only \$1
- The Mayku Mask design works with a variety of recommended filter materials
- Quick lead times, so more waiting for orders - manufacture on demand!



“The Royal Academy of Engineering has been pleased to work with Mayku and other partners to support engineering entrepreneurs to supply personal protective equipment that can be used effectively in sub-Saharan Africa during the current pandemic. We hope that the low-cost, reusable, transparent CARE-Mayku mask design will help health workers and members of the public in the African countries where we are supporting its manufacture.” - **Andrew Clark, Director of Programmes, Royal Academy of Engineering**



In order to be able to promote the Mayku Mask project amongst your community, you can **download images, the PDF guide and STL files from our Partners Portal: <https://partners.mayku.me/>**

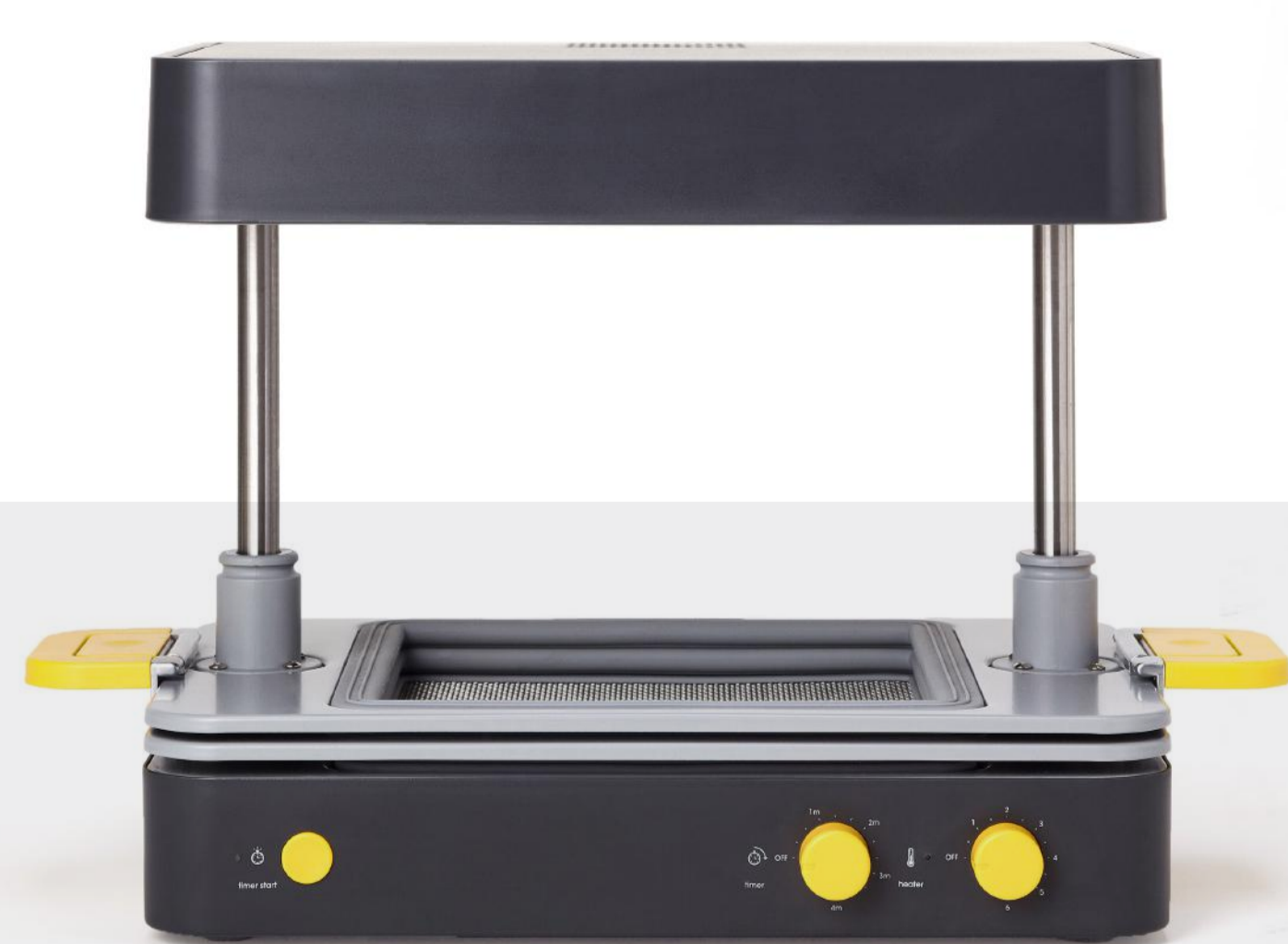
Sample Marketing Headlines:

Use this list as inspiration for writing content for social media, blogs, email marketing, website updates and flyer creation. If you need anything else please speak to your Mayku Account Manager.

- Manufacture life-saving medical masks in minutes.
- Set-up a PPE factory on your desktop.
- Open source PPE design created in partnership with the Royal Academy of Engineering and the University of Leeds.
- Save time and money by adding a Mayku FormBox to your mask-making workflow.
- Combine the Mayku FormBox with a 3D printer and start making medical-grade masks in minutes.
- Implement localized PPE production with a Mayku FormBox desktop mask-making factory.
- Set-up your desktop mask-making factory in less than a day.
- Manufacture PPE on demand, in minutes with the Mayku Mask guide.

Want to learn more? Got a question?

Visit www.mayku.me or get in touch via hello@mayku.me or @TeamMayku on social media



Formbox Desktop Vacuum Forming Machine

- Makes molds and models
- Lightweight and portable
- Reduces production cost and speeds up prototyping



Mayku Cast Sheets (Transparent)

- 0.5mm and 1mm thickness available
- Transparent and food-safe
- Slight flex and non-stick
- Easy to recycle



Mayku Form Sheets (White)

- 0.5mm thickness
- White, flexible material
- Food-safe
- Easy to recycle

