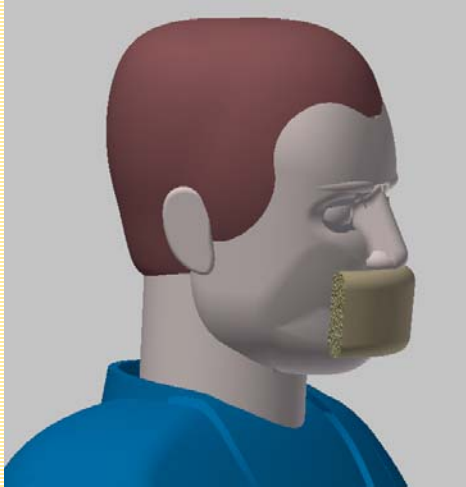


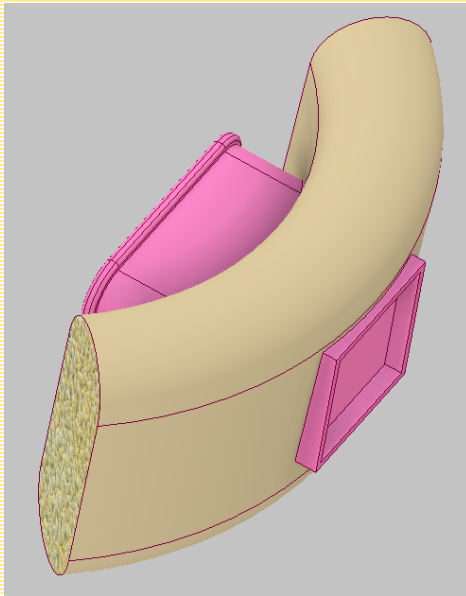
# STICKY COVID-19 VIRUS MASK

## A NEW CONCEPT IN VIRUS PROTECTION



The Sticky Covid-19 Mask provides a new concept in virus protection. The Sticky Covid-19 Mask captures the virus and other pathogens on multiple sticky surfaces.

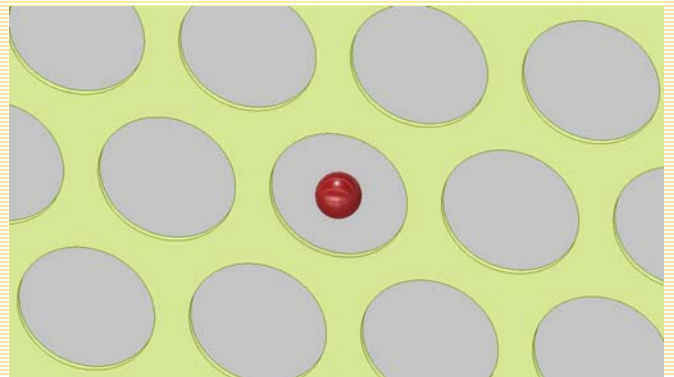
The wearer uses a conventional cloth type mask over a Sticky Covid-19 Mask to capture dust and large particles, and to extend the life of the Sticky Mask.



The integrated mouthpiece stops all leakage around the mask as frequently happens on conventional masks.

A common sticky material which can be used is called fugitive adhesives which are used to stick credit cards to mailers and are on post-it notes and cellophane tape.

Conventional masks mechanically capture viruses with holes in the masks which are three times in diameter of the Covid-19 virus. When a virus makes it through one of these holes, nothing else stops it.



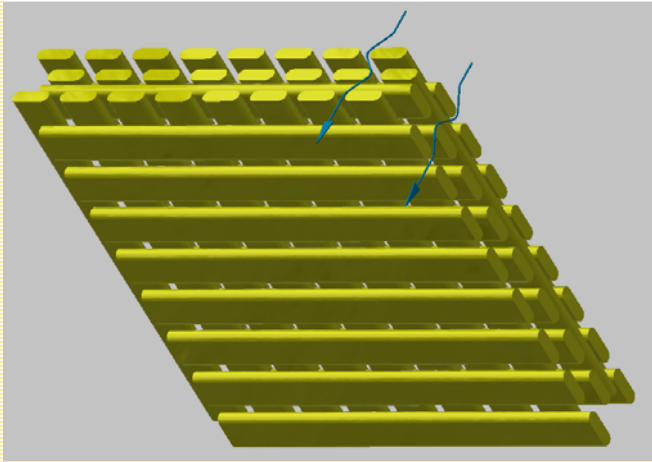
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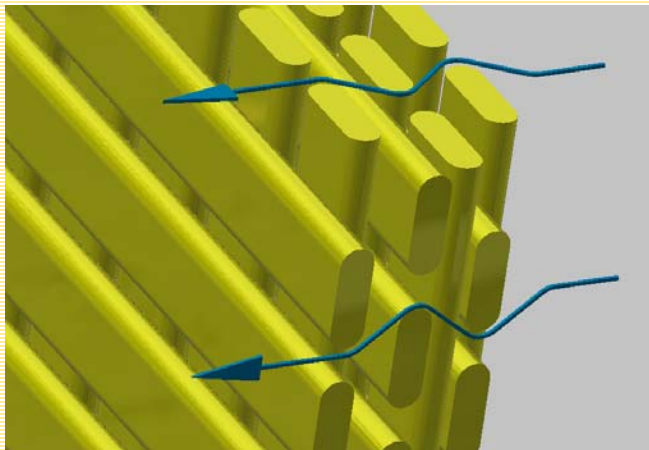
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# STICKY COVID-19 VIRUS MASK

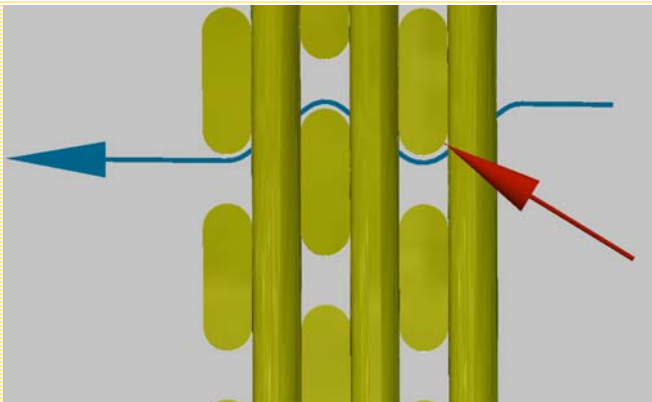
## A NEW CONCEPT IN VIRUS PROTECTION



The layers as shown are 3D printed with alternating layers at 90°. They can also be die cut or simply be small spheres poured into the mask. The layers shown in the graphic are 4 layers to make it visual. There will actually be 200 of these layers on each side of the mask so the pattern repeats 50 times on each side.



The twisting air path generated by the many layers mixes the incoming air and so exposes the virus to many surfaces. The two arrows show it mixing in 2 planes in this type construction. Spherical sticky surfaces randomly mix the air and consequently achieve the same result.



The tiny captured virus (at the end of the red arrow) shows the scale of the virus and the sticky media. Whereas the hole in the conventional mask is 3 times the diameter of a Covid-19 mask, the gaps in the Sticky Mask are even larger. This is due to manufacturing limitations. The Sticky Mask would only mechanically capture a virus at the crack between layers, therefore the primary capture mode is simply the virus sticking to the surfaces.

**This invention available for licensing. Not a current product. Patent Pending.**

For more information contact [info@baughengrs.com](mailto:info@baughengrs.com).

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