



COMPLETE THE SURVEY!

Please help us make the next version of The HensNest even better!

URL HERE

ABOUT THE PROJECT

The HensNest is a collaborative project from the University of Delaware's (UD), home of the Blue Hens. The project was initiated in rapid response to the COVID-19 pandemic as a way for "makers" large and small to manufacture and distribute high quality masks to their local communities.

UNIVERSITY OF DELAWARE HENSNEST TEAM:

LEAD: Whitney Sample, Arnav Prasad, Jeff Ricketts, Prof. Jenni Buckley, Prof. Ajay Prasad, Paul Costello, Ann Lewandowski, Mike Gladle, Krista Murray, Lisa Lattanza, MD (Yale Univ), Julie Stewart, Joy Smoker

PRODUCTION PARTNERS:

NegriBossi (New Castle, DE), Stratasys Corp, Celanese Corp, Donate Delaware



UNIVERSITY OF DELAWARE
ENGINEERING

THE HensNest



General use face mask

Simple wireframe design

Replaceable filter media

Safe alternative to sewn masks and bandanas

PROVIDED IN THIS KIT:



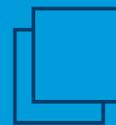
Face Hoop (1)



Spider (1)



Containment Hoop (1)



Filter Material (2)



3/8" Elastic Strap (2)



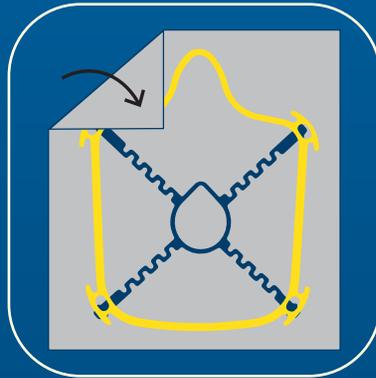
**WATCH OUR
ASSEMBLY
VIDEO**

UDEL.EDU/007328

ASSEMBLY INSTRUCTIONS



STEP 1: Snap tabs of spider into the face hoop to create a cage frame.



STEP 2: Wrap filter material around and into the frame, with spider side down.



STEP 3: Snap containment hoop into face hoop cage frame.



STEP 4: Secure strap material onto four horns on face hoop.

FILTER MATERIALS

The HensNest wireframe mask is designed to be used with replaceable, household filter materials. These materials should be clean and should be cut into approximately 10 inch by 10 inch squares. The relative filtration power of one ply of each common household material is presented below versus two-ply cotton.

- (8x) Pleated air filters from your furnace
- (4x) Blue shop towels (fiber-based, disposable)
- (4x) Reusable tote bag material (non-woven plastic, not canvas)
- (3x) Heavy cotton “tea towel”
- (1x) Two-ply cotton fabric, e.g., t-shirt or bandana

CARING FOR YOUR HENSNEST MASK

The HensNest wireframe is dishwasher safe and can also be cleaned with household cleaners (bleach or alcohol-based). Filters should be replaced regularly. Two disposable filters are included with your HensNest face mask kit.

SAFETY & LIABILITY

The HensNest is not intended for use in medical settings and should be used as a last resort when FDA-regulated masks are not available. The product is provided “as is” by the University of Delaware in a good faith effort to help with the COVID-19 pandemic. If you use this product, you agree to comply with any state and federal guidelines. You also agree that the University of Delaware: (1) Disclaims any warranties related to fitness of use, non-infringement, or compliance with regulatory standards; and (2) Have no liability for any claims of any kind made by person, either as a result of use of or as related to the item.