

Designers come up with 3D faceshield

By ANNE CANALP

GIRNE-based Arkin University for Creative Arts and Design (ARUCAD) has produced a sanitiser that could prolong the use of face masks.

Designers have also come up with a 3D face shield that can be printed from a home computer.

Both designs by the Arkin Innovation Hub (AIH) are freely downloadable and designed to protect frontline health and public sector workers.

A design for a small box mask sanitiser uses alcohol vapour to clean masks in two hours for emergency use when sterile surgery masks are unavailable.

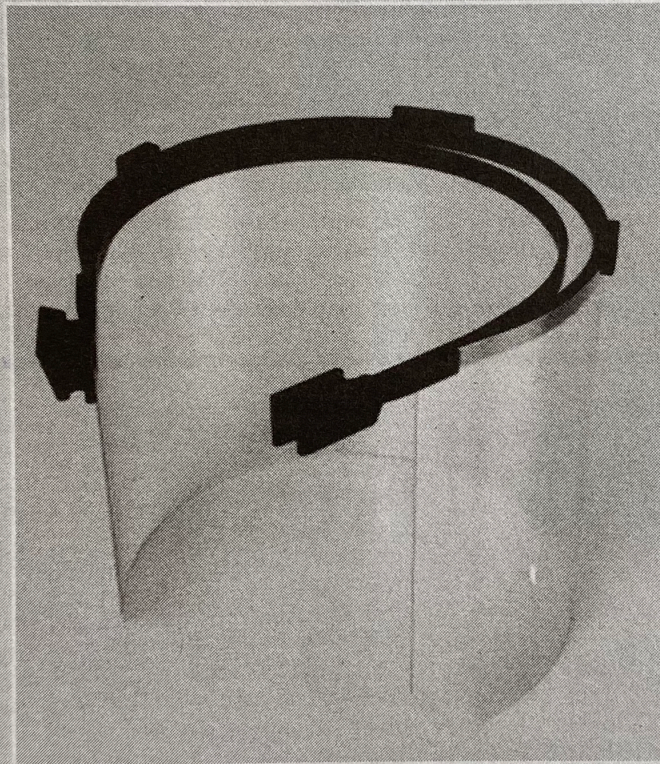
AIH Professor Tobia Repposi said: "The World Health Organisation has just approved the sanitising of masks and California has procured a system from defence company Battelle, that can decontaminate tens of thousands of used masks per day, making them safe for re-use by health workers.

"The system, which uses hydrogen peroxide, allows a single mask to be used 20 times instead of just once."

The faceshield design was finalised in mid-March and has already been downloaded, modified and printed worldwide.

ARUCAD workshops are currently 3D printing the faceshields. They will be handed to the Friends of Cyprus Association which is also collecting them from other universities and private individuals.

Vice Chancellor Dr Asim Vehbi said that the university aimed to produce 5,000 faceshields to address the lack of vital facial protection for health workers, police and municipal workers.



FACESHIELD

LINK: <https://www.thingiverse.com/thing:4286510>

MASK SANITISER

LINK: <https://www.thingiverse.com/thing:4286596>

ARUCAD studios aim to print 5,000 faceshields

