

**NEW MACKWELL HEALTH DIVISION LAUNCHES WITH PROTECTIVAIR®,
A BREAKTHROUGH IN RESPIRATORY PPE**

Mackwell has announced the launch of a new business division: Mackwell Health.

The new business will be unveiled at the P4H England online exhibition on 6 October 2020 and will be accompanied by the announcement of an innovative new PPE product, ProtectivAir®.

ProtectivAir® is a wearable breathing device that biologically sterilizes inhaled air, providing immediate protection against any airborne pathogen, even mutations.



With the emergence and rapid spread of Covid-19 Coronavirus, ProtectivAir® is a crucially important piece of equipment for health workers, first responders and other critical groups to keep them better protected during this pandemic.

ProtectivAir® comprises a UV-C disinfection chamber worn on a belt or harness which is connected to a comfortable face mask. Within the chamber, energetic UV-C photons pass through the infectious micro-organisms, damaging their nucleic acid (RNA or DNA) which disables their ability to replicate and infect the body. The use of UV-C in disinfection/decontamination is widely accepted and all published data confirms that UV-C is an extremely effective germicidal agent.

ProtectivAir® is the first product to emerge from the recently announced partnership between Mackwell and Medi-Immune, whose team of expert scientists and engineers have gained international patents for the technology.

ProtectivAir® is backed by a substantial range of evidence which conclusively demonstrates its effectiveness, safety and usability. This includes tests at Public Health England, Porton Down (PHE), where a range of pathogens including viruses, bacteria and spores were passed through the device, with laboratory measurements on the treated air showing multiple orders of magnitude reduction. A further qualitative test showed that influenza virus was deactivated by the device to the extent that it did not result in infections being contracted.

ProtectivAir® is the first in a range of innovative solutions planned from Mackwell Health, which has been launched as a new division of the Mackwell Group of companies. “This represents an exciting step for Mackwell”, commented Nick Brangwin, Mackwell CEO, “The health market makes a tremendous amount of sense for us as a business, given our 40 year experience in life safety products, and our expertise in electronics, lighting, design, manufacture and regulatory approvals. We see ProtectivAir® as the perfect first step to a range of solutions, all backed by science, that will make the world a much safer place in these challenging times.”

Users of ProtectivAir® are likely to include all those who work in an environment where there is increased risk of infection, such as first responders, healthcare, emergency services, aviation, transport, military and public services.

Compared with other forms of PPE equipment, ProtectivAir® has numerous benefits. It protects to significantly higher levels against viruses such as COVID-19 and influenza and is re-usable. With a five-year design life, it shows a fast return on investment compared with disposable PPE, and also reduces the need for the disposal and incineration of infectious-hazardous waste.

For further information contact Andy Davies on +44 (0) 1922 742 145 or by visiting the company’s website at www.mackwellhealth.com

Ends.

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