

ACTife designs new technology for antibacterial fabric

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The materials developed by ACTife use hydroxyl radicals to prevent contact with the bacteria and viruses while they are adsorbed on the surface of the fabric

Taiwan based startup ACTife has released a new technology for antibacterial fabric. These textile materials utilize semiconductor sputtering technology, which uses silver, copper and titanium sputtering to produce a hydroxyl radical on the surface of the fabric. Because hydroxyl radicals can destroy viruses and bacteria in medicine and make their proteins lose their function. Therefore, the materials developed by ACTife can not only block viruses and bacteria, but also use hydroxyl radicals to prevent contact with the bacteria and viruses while they are adsorbed on the surface of the fabric.

This technology has been verified by the SGS, Boken, Intertek, and Japan SEK to effectively sterilize 99.9% of bacteria and germs.

Compared with ordinary masks and protective clothing on the market, it is not only more environmentally friendly, but also does not cause pollution and other infection risks.

With its innovative antibacterial and antiviral technology, Actife has now entered the medical material market and is looking to use their innovative technology to further enhance our protection against coronavirus.