

Creation of virucidal air filters that can be used in standard airco systems

Customer Challenge

Remove viruses from the air in standard airco systems

The performance criteria of air filters should not be affected by the virucidal treatment

Solution

Grafting of citric acid nanolayer onto the material used to make the air filters using our MolecularGRIP™ technology

Roll-to-roll treatment of the non-woven prior to manufacturing the air filters

Results

99 % reduction of viral load

Treatment speed up to 10m/min

Super-safe solution using a natural food ingredient

Very low TCO

Highly scalable process