



Genano

**Finnish
Excellence in
ULTRACLEAN AIR**

Nanoscale air purification solutions for
HEALTHCARE | LABORATORIES | INDOOR AIR QUALITY

WE PROTECT PEOPLE AND PROCESSES with ultraclean air

High quality of air is essential for our health. Airborne particles and other contaminants are known to be a major health risk, causing serious illnesses including respiratory infections and heart disease, and even reducing lifetime.

In healthcare, poor air purification can lead to a disaster. Immunosuppressed patients are susceptible to nanosized pathogens causing hospital-acquired infections. On the other hand, infected patients contaminate the air and need to be effectively isolated.

In laboratories, ultrafine particles and gases can severely damage production processes and lower research quality.

Our solutions can address these - and even the most challenging air purification needs. Our expertise ranges from battling against hospital-acquired infections to securing safe study environment for children in schools with severely compromised indoor air quality.

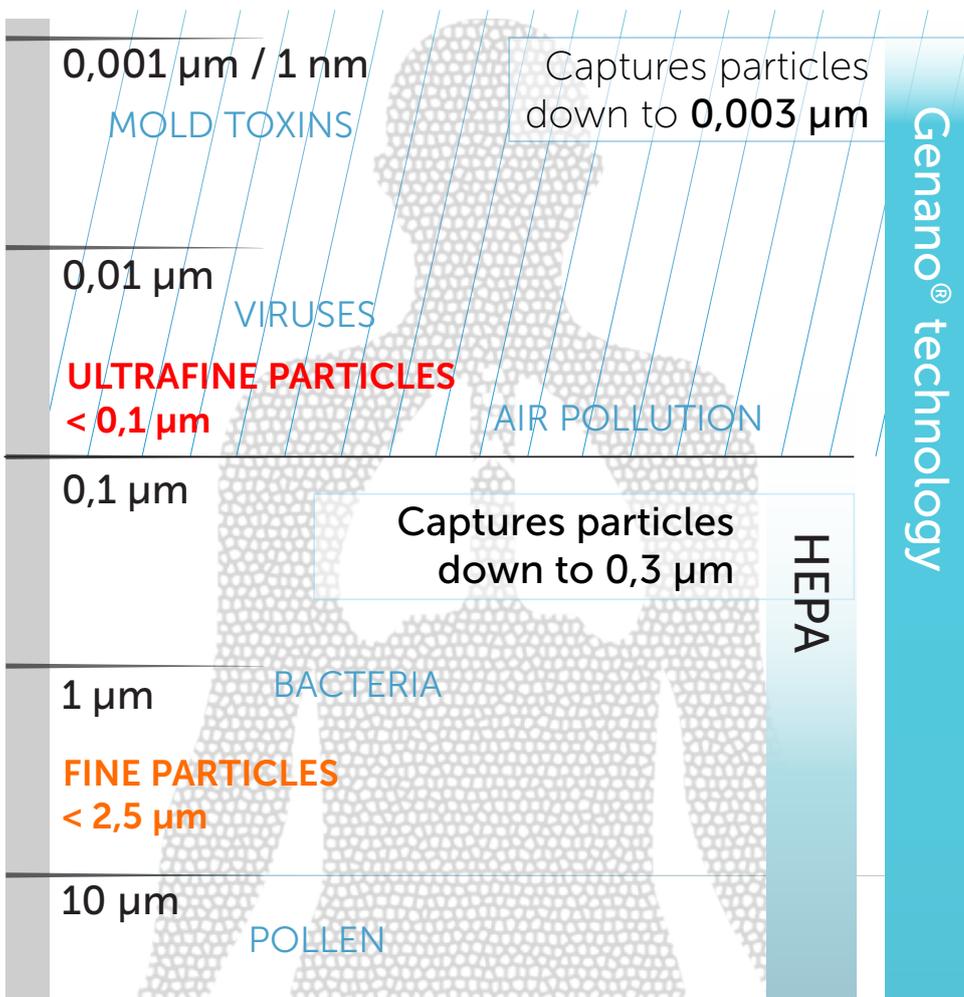
Genano's core advantage is the ability to remove airborne impurities of all sizes - down to nanometer size.

Based on a patented electric air purification method, Genano technology outperforms traditional fiber-filter systems that fail to remove nanosized particles and gases from indoor air.

Compared to standard HEPA filters, Genano's purification performance is a 100 times better in terms of particle size. In addition, Genano kills microbes instead of just collecting them.

Genano represents air purification solutions of the future - available today!

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Did you know?

Ultrafine particles are the most dangerous species of airborne impurities. They are characterized by ultrasmall size and large surface area to weight ratio. By definition, the hydrodynamic radius of ultrafine particles is less than 100 nanometers (=0.1 micrometers).

Health risks of ultrafine particles arise from their ability to absorb directly into the bloodstream and migrate into organs, including the brain and the heart.

Nanosized airborne impurities include viruses, mold toxins and particles from polluted outdoor air. These can only be decontaminated with advanced air purification technology such as the Genano technology.

HEALTHCARE

Environmental Infection Control Against Airborne Pathogens

- Control of Infectious Diseases
- Protection of Immunocompromised Patients
- Prevention of Surgical Site Infections
- Contamination control in laboratories



Rapid and cost-efficient solutions for improved air hygiene

LABORATORIES

Contamination Control of Airborne Impurities

- Nanoscale decontamination of airborne particles and chemicals
- Securement of process repeatability and reliability
- Protection of staff
- Increase of total ACH in the laboratory



Constant level of air cleanliness and contamination control on the nanoscale

INDOOR AIR QUALITY

- First-aid for Sick Building Syndrome
- Prevention of adverse health effects of air pollution
- Improvement of cognitive performance and work efficiency

Reduce health risks of indoor air impurities



INDUSTRIAL SOLUTIONS

- Industrial air purification of welding fumes and fine particles
- Reduce exhaust gas VOC emissions

Protect people, processes and the environment in industrial production facilities



PRODUCTS AND SERVICES

Solutions to the most challenging needs

Genano Ltd is a Finnish pioneer in air purification established already in 1999. We have thousands of installations around the world including solutions for healthcare, laboratories, air pollution and sick building syndrome. Our clients have been forerunners who have seen the possibilities of a new technology. They have chosen Genano to reach an uncompromised level of air quality.

The Genano product portfolio offers a wide range of air purifiers for different needs. Our own patented Genano® technology is used in all units. Genano air purifiers are designed to continuously recycle and purify indoor air. All products provide constant air flow and cleanness level. Genano air purifiers

represent high-quality Scandinavian design and are manufactured in the European Union.

Genano's goal is to help our customers with creating safe and healthy indoor environments. Our services are based on scientific knowledge and long experience. We work jointly with our customers and commit to the set air quality targets. Our solutions can address even extremely high requirements of air purity - for the benefit of human health and the environment.

Genano headquarters is located in Espoo, Finland. Our sales and maintenance services are available in over 30 countries.



GENANO TECHNOLOGY®

captures even the tiniest of particles - down to nanoscale

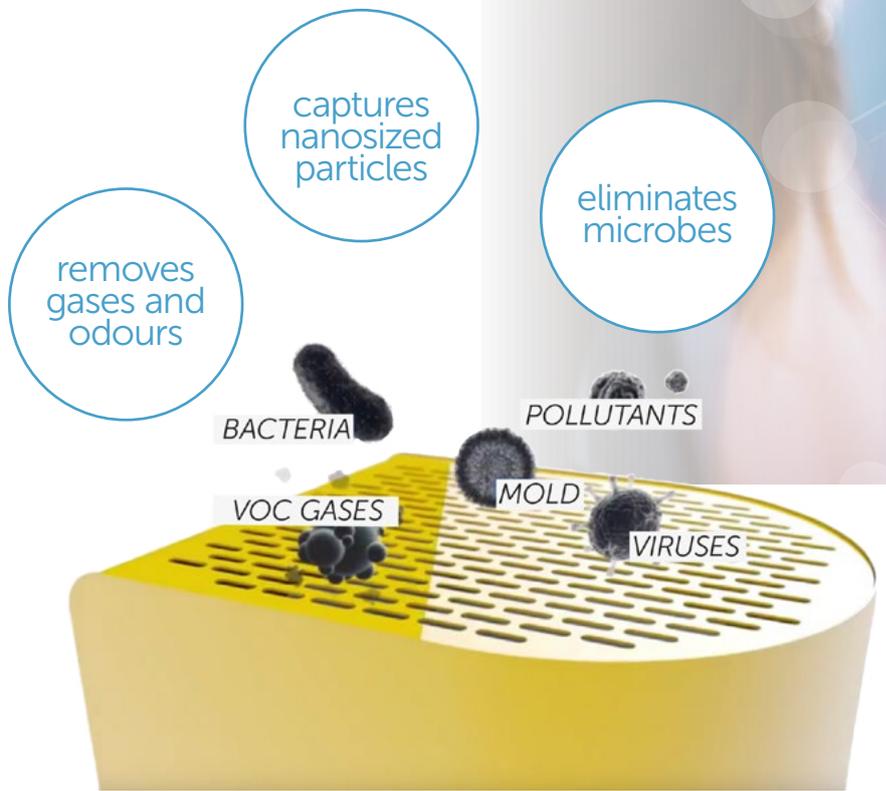
The superior performance of Genano Technology® is based on a patented method of electric air purification.

Genano Technology can remove particles down to nanometre size (1 nanometre = 0.001 micrometres = 1 millionth of a millimetre).

Microbes such as viruses, bacteria and moulds are irreversibly destructed in the process.

In addition, Genano units are equipped with an effective active carbon collector which removes gases, fumes and odours.

Genano technology has originally been developed in Finland for clean room air purification and is patented globally.



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