

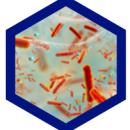
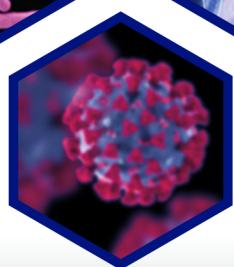
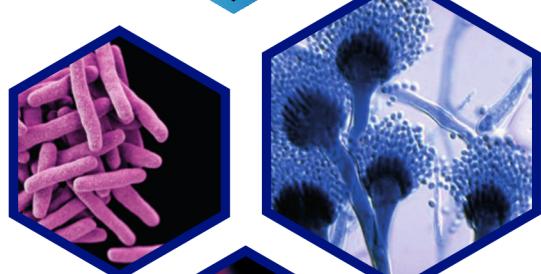
A COMPLETE RANGE OF PRODUCTS TO MONITOR AND MANAGE INDOOR AIR CONTAMINATION



The **airinspace®** portfolio addresses each situation providing a specific and dedicated solutions from particles removal to complete patient isolation and room disinfection with a validated and efficient process.

Our products and services help Healthcare

- Protect immuno-compromised patients in high risk areas.
- Isolate infected patients to avoid any cross-contamination and protect medical staff.
- Support ward refurbishment with mobile and quick solutions (no civil-work required).
- Retrofit or reinforce existing air treatment solution.
- Control and monitor CO₂ concentration, airborne particles quantity, relative humidity and temperature.
- Decontaminate critical hospital areas, labs, pharma, clean rooms with our airborne room disinfection automated process validated against EN 17 272: 2020.



“Prevention is better than cure” is a widely recognized proverb that emphasizes the importance of preventing infections to avoid suffering, pain, and financial losses. Infections occur when pathogens like bacteria, viruses, fungi, or parasites invade the body, leading to harm through complex interactions with the immune system.

Organizations like the World Health Organization (WHO) and the Centers for Disease Control and Prevention (CDC) are at the forefront of formulating guidelines for infection prevention and control. Maintaining pure air and clean surfaces is essential for hygienic environments. Alongside standard hygiene practices, modern technologies play a crucial role in reducing infections and protecting vulnerable populations.

For immunocompromised individuals, extra safety measures are vital to mitigate serious health risks. Innovative technologies such as UVC lights, HEPA and ULPA filters, and ionization are being developed and implemented globally to effectively address these challenges. While traditional manual cleaning methods are prone to human error, identifying high-risk areas and applying consistent, purpose-driven technologies can significantly enhance decontamination efforts.

These advanced technologies improve the safety and habitability of indoor spaces, making them infection-free for everyone.

OCTOPUS

OCTOPUS is a complete indoor air quality **MONITORING** tool. The parameters are easily visible on the large colour touch screen. The data are recorded every minute and stored for up to 2 years. Mains or battery operated, it is easy to carry wherever air quality assessment and monitoring air quality are required.



MAIN TECHNICAL FEATURES	
Power supply	~120-240 V, 50/60 Hz / 5 V - 2.1 A / 10.5 W
Measured parameters	CO ₂ : NDIR technology with self calibration Measured particles sizes: 0.3, 0.5, 1, 2.5, 5 and 10 µm .VOC: 0 - 1,000 ppb equivalent isobutylene Formaldehyde Temperature Relative humidity
Displayed parameters	CO ₂ concentration PM1, PM2.5 and PM10 ISO Class Particles concentration per size .VOC Formaldehyde Temperature Relative humidity
Overall dimensions	L 126 x 1130 x H 175 mm
Weight	1.2 kg
Screen	3.5-inch colour LCD touchscreen
Battery life	8 to 10 hours of continuous use

On/off switch with safety key. Possibility to lock the touch screen with a password. Switches to standby mode to save power. Data recording via QRcode or IP address. Visualisation of curves on PC/MAC.	Particle pollution alert ■ PM2.5: green < 10 µg/m ³ - yellow between 10 and 20 µg/m ³ - red above 20 µg/m ³ . ■ PM10: green < 30 µg/m ³ - orange between 30 and 50 µg/m ³ - red above 50 µg/m ³ .	CO₂ alert ■ Green < 800 ppm. ■ Orange between 801 and 1,600 ppm. ■ Red > 1,601 ppm.
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HEPA

HEPA mobile air filtration units contain HEPA H14 filters with filtration efficiency is more than 99.995% for 0.1 µm particles according to EN 1822 standard.

HEPA

Bulle

The smaller HEPA unit.

- For small areas.
- Can be suspended from the ceiling.



Performance:
ISO 7



Flow rate:
up to 1,000 m³/h

HEPA

Cubair

Compact and high capacity.

- Small footprint.
- Efficacy: 4 filters H14.



Performance:
ISO 7



Flow rate:
up to 2,000 m³/h

HEPA

Sentinel

High efficiency and quiet.

- Small footprint.
- Easy to move.



Performance:
ISO 7



Flow rate:
up to 1,400 m³/h

HEPA

Guardian

High capacity and fast particle removal.

- HEPA Filtration and Activated carbon.
- Excellent mobility.



Performance:
ISO 7



Flow rate:
up to 2,500 m³/h

eCHEM

eCHEM is the range of mobile units range of mobile chemical air decontamination units.

Carbon and composite filters retain both oxidizing and acidic molecules, t VOC and formaldehyde. They are used in a large number of applications such as endoscopy, after automated surface disinfection process, in IVF or anatomopathological laboratories or, more generally, in the presence of solvents.

eCHEM

Cubair

Small footprint

- 5 specific carbon filters.
- Air flow at 360°.
- Silent.



Flow rate:
up to
2,000 m³/h

eCHEM

Sentinel

Quiet

- 3 activated carbon filters with high adsorption performances.
- Particle retention.
- Small footprint.



Flow rate:
Up to
1,400 m³/h

The PLASMAIR® Mobile Air Decontamination Units consist of HEPA-MD reactor. The reactor kills microorganisms (bacteria, virus, fungi and spores), removes particles, VOCs and reduces ozone level in the environment.

PLASMAIR®

C2010

Zero footprint.

- Air decontamination ceiling system.
- Remote control.
- Light servicing.



Performance: ISO 7

Flow rate: up to 800 m³/h

PLASMAIR®

Satellite

Quiet and compact.

- For room volume up to 60 m³.
- Touch screen.
- Easy to move.

Performance: ISO 7

Flow rate: up to 1,200 m³/h



Air flow pattern.

PLASMAIR®

Guardian

High capacity, effective, quiet.

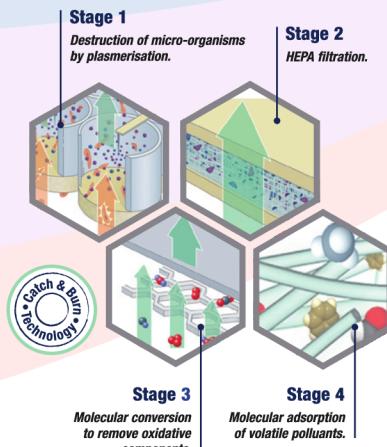
- Quick removal of contaminants.
- Touch screen to set-up and monitor the unit.
- Easy to use.

Performance: ISO 6 to ISO 7

Flow rate: up to 2,500 m³/h



Large and intuitive touch screen.
Automatic day/night mode shift.



BIOCAIR®

Modular clean room for Airborne Infectious Isolation Room (AIIR) or protective equipment, office based surgery, drug compounding labs, IVF labs applications.

- Performance: ISO 5 to ISO 8.
- Tailored size and space to suit any room layout in positive or negative pressure.
- Easy to install in any kind of rooms.
- Cleanroom walls.



IMMUNAIR®

Deployable plenum to protect immuno-compromised patients in BMT transplant, oncology and immunology units. Fixed (FDP) or Mobile (MDP).

- Performance: ISO 5 under the unidirectional airflow system.
- Easy access for medical staff.
- Light servicing.
- Comfortable patient area.
- Optional flat screen TV.



Fixed Deployable Plenum (FDP).

Lisamed Technologies Private Limited

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