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TECHNOVATION

Technovation Systems, Inc.

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Technovation is has expertise in Cleanroom and contamination control products and services. Unlike other Cleanroom companies, Technovation's design/build services and Cleanroom products are supported by state of the art laboratories and R&D. Our products and services are listed below.

Technovation Products and Services:

[Cleanroom Design/Build Services](#)

Cleanrooms for Pharmaceutical, Biotechnology, Medical Device, Hospital and Semiconductor and Microelectronics industries. Technovation uses sophisticated and cost effective design methods, including computer analysis, to result in low energy consumption cleanrooms with negligible bioburden. Our double HEPA filter system enables up to ISO Class 1 performance. Technovation is unique among design/build firms with expertise in contamination control and aerosol/filtration laboratories (2nm size capability), including test cleanrooms.

Hospital USP 797 compliant Pharmacies, Isolation Rooms & ORs

For TB, Aids Isolation Rooms, Pharmacies, ORs, Oncology, Burn Centers, Triage, Radiology and Laboratories. All of the **BIO PLUS®** filtration systems meet or exceed CDC and AIAA requirements.

R&D Award winning **BIO PLUS®** bactericidal HEPA Cleanroom filters.

BIO PLUS® filters are highly energy efficient and result in extremely low bio burden in cleanrooms provide better airflow distribution and result in lower initial costs. Secondly, as a result of using better airflow distribution and double HEPA filtration, cleanrooms have lower airflow requirements which in turn leads to initial, operational and energy cost savings.

- **1997 R&D100 Award**
- **1996 Micro Product All-Star**
- **1995 NASA Technology 2005 Best Environmental SBIR Technology Award**

Class 1 Laminar Flow Benches

The cleanest flow benches available. We are the only manufactures of ISO 1 and ISO 2 air quality benches.

Support Test Laboratories:

Technovation is a leader in contamination control technologies. Technovation is a technology oriented company. We have state of the art aerosol measurement equipment in our filtration test laboratory, including TSI's scanning mobility particle sizing system, with 2 nm particle size sensitivity, specialized ultra high concentration aerosol generators capable of producing fine, dry and neutralized aerosol as high as 10^{13} #/ml (for ultra high filtration efficiency testing), among other filtration test equipment. Our filtration laboratory can test filters from flows as low as a few cubic feet per minute to 3000 scfm. Our particle measurement capability ranges from 2 - 5000 nm. Our specialized sampling and other

equipment enable us to measure particle size based filtration efficiency as high as 99.999999% (10^{-8} penetration)! We also have two test Cleanrooms for evaluating and developing newer methods in air flow design.

Technovation tests each of its filters (installed in our **BIO PLUS**[®] filter housings) individually, prior to shipping.

Our Mission

To provide high performance, cost effective and energy efficient cleanrooms, controlled environments and related products to our customers using the highest technical and professional standards.

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