



CLEANROOM SOLUTIONS



suntec teknopak[®]

Engineered Solutions for Airborne Contamination Control[®]

Cleanroom Equipment & Accessories

Sterilizing & Depyrogenating Tunnels

Modular Cleanroom Partition Systems

Turnkey Projects for Cleanrooms & Associated Controlled Environs



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Engineered Solutions for Airborne Contamination Control®

suntec teknopak is promoted and managed by Professionals with experience of over 30 years in the relevant field and supported by well trained engineers & technicians for Design, Installation, Commissioning, Qualification and Documentation.

Design and manufacturing capabilities meeting international standards and cGMP requisites.

Well experienced Techno – Commercial Team to provide practical and cost efficient solutions for airborne contamination control needs.

Our specialization

Modular Cleanroom Partition Systems :

- Suntec design and build pre-engineered Modular Cleanrooms to meet any specific application needs of the user
- Modular Wall/Ceiling Panels, Doors, View Panels and accessories (Design, supply and installation)

Projects:

- Suntec design, build, Qualify and provide documentation for Cleanrooms and Associated Controlled Environs for any application
- We have in-house manufacturing facilities for all major components for low side HVAC, including AHUs and successfully executed many projects for Pharma, Biotech, Laboratories etc. Industries
- HVAC/Cleanroom Projects (Facility & System Design, supply of equipment & accessories, installation, qualification and documentation)
- Bio-containment / Bio-Safe and associated controlled environs (Facility & System Design, supply of equipment & accessories, installation, qualification & documentation)
- Operation Theaters
- Cold Rooms
- Air Handling Units (AHUs) and Air Washers

Cleanroom Equipment & Accessories :

- Sterilizing and Depyrogenating Tunnels for Glass Vials and Ampoules
- Unidirectional Air Flow Systems (formerly known as Laminar Air Flow Systems)
- Reverse Air Flow Containment Stations for Dispensing and Sampling
- Containment Stations for Solvent Dispensing
- Bio-Safety Cabinets
- Mobile Unidirectional Air Flow Systems
- De-dusting Tunnels
- Pre-filter Cleaning Stations
- Laboratory Animal Isolators
- Custom built HEPA filtered devices to meet any specific application
- **Cleanroom accessories :** Air Showers, Mist Showers, Shower Suites (Shower - Dryers), Garment Storage Cabinets, Pass Boxes etc.
- Pre and HEPA filters (including HEPA filters for high temperature application)
- Components & Accessories for HVAC/Cleanroom Projects
- Customized Stainless Steel Fabrication



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Sterilizing & Depyrogenating Tunnels for Glass Vials and Ampoules



- Compact design.
- Built-in controls.
- PLC Controlled automatic operations.
- Plug-in & operate design.
- Can be integrated with any make of Washing Machine & Filling Line



Unidirectional Vertical Reverse Air Flow Containment Stations (For Sampling / Dispensing)



- Pre-engineered construction.
- Built-in coving on all inside corners and at the bottom.
- Feather touch On/Off switches
- Two stage pre-filtration by excellent quality washable and long lasting 5 & 3 micron pre-filters.
- Double stage motor blower assembly

Automatic operations (Optional)

Micro processor based control for digital display for:

- ◆ Differential Air Pressure (Min. & Max. range selection).
- ◆ Motor speed control.
- ◆ Air velocity.
- ◆ Audio visual alarm for motor blower malfunctioning.
- ◆ Audio visual alarm for any change of set parameters & power failure.



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Unidirectional Vertical Air Flow Work Stations (ceiling suspended / stand mounted)



Automatic Operation (Optional)

Microprocessor based controls with digital display for:

- Differential Air Pressure (Min. & Max. range selection)
- Motor Speed Control
- Air velocity
- Audio & visual alarm for motor blower malfunctioning
- Audio & visual alarm for any change of set parameters and power failure

Unidirectional Horizontal Air Flow Work Stations





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Mobile Unidirectional Air Flow Systems



Biological Safety Cabinets



Automatic Operation (Optional)

Microprocessor based controls with digital display for:

- Differential Air Pressure (Min. & Max. range selection)
- Negative Air Pressure
- Motor Speed Control & Air velocity
- Audio & visual alarm for any change of set parameters and power failure



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Pass Boxes (Dynamic & Static)



Roller Base

Dynamic Pass Boxes with Vaporized Hydrogen Peroxide (VHP) Fogging System



- Automatic Operation - PLC controlled
- Programmable process with pre-set duration
- Stainless Steel construction
- Storage Tank (SS) for Hydrogen Peroxide
- Suitable Air Compressor (or air from existing Compressor can be used)
- Suitable S. S. Nozzles for aeration
- De-fumigation by hot air (temperature controlled)
- Customized sizes and designs





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Garment Storage Cabinets (Dynamic & Static)



Air Showers





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Shower Suites (Shower - Dryers)



- Automatic Operation - PLC controlled
- Process and operations are programmable with pre-set duration
- Stainless Steel (304 or as required) construction
- Shower with temperature controlled water (soap water - optional)
- Temperature controlled Air Jet
- Customized sizes and designs



Mist Showers

- Fully Automatic Operation - PLC controlled
- Programmable process with pre-set duration
- Stainless Steel (304 or as required) construction
- Suitable S.S. Nozzles for aeration
- Customized sizes and designs



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Pre-Filter Cleaning Stations



- Automatic Operation - PLC controlled
- Manual intervention only for loading and unloading of filters
- Programmable duration for each cleaning cycle
- Stainless Steel construction
- Customized sizes and designs

De-Dusting Tunnels



- Automatic Operation - PLC controlled (Optional)
- Rolling shutter (suitable for auto & manual operation) at the in-feed (optional)
- VFD control for conveyor drive (Optional)
- Customized sizes and designs



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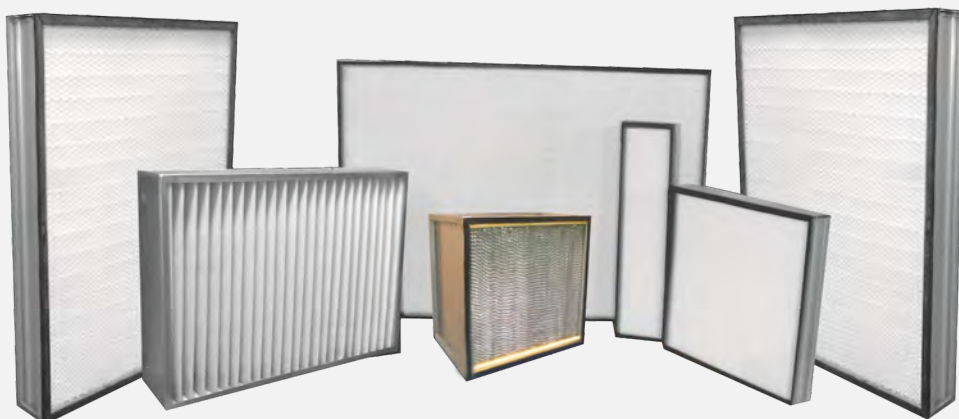
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Laboratory Animal Isolators



- PLC controlled Automatic Operation (Optional)
- Customized sizes and designs

Pre-Filters & HEPA Filters (Minipleat & Std., including for High Temperature Application)





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Engineered Solutions for Airborne Contamination Control®

Modular Cleanroom Partition Systems

Wall / Ceiling Panels, Doors & Accessories

MOC : HPL (High Pressure Laminate), PCGI & SS





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Modular Cleanroom Partition Systems



Single skin (HPL) ceiling panels & wall cladding





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Turnkey Projects Cleanrooms & Associated Controlled Environs





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Cleanroom Equipment & Modular Panels under assembly





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Testing & Qualification



Velocity Measurements

HEPA Filters' Leak Test

Particle Count Monitoring

Smoke Test for Air Flow Visualization

Recovery Test for Cleanrooms

We are proud to be associated with



and many others...



suntec teknopak contamination control solutions pvt ltd

suntec techno centre
E-50, additional industrial area, midc, near fire station, anand nagar ,
ambarnath (east) – 421 506, dist: thane, maharashtra, india.

www.suntecteknopak.com
www.suntecbioclean.com

tel: +91 251 2620811
mob.: +91 99679 67554

mailbox@suntecteknopak.com
suntecbioclean@gmail.com