



Pharmintech



Turnkey Cleanroom Solutions

Modular Cleanroom | HVAC | Electrical | Equipment | Furniture



Celebrating A DECADE

OF OUR JOURNEY IN CLEANROOM INNOVATION

For more than 10 Years, we have provided state-of-the-art Cleanroom technology, Products, and Services tailored to individual requirements of our Clients.

Read More on
www.pharmintech.net

About Pharmintech

PHARMINTECH is a leading Cleanroom Design & Construction company, providing High Quality Cleanrooms to Small businesses and Multinational businesses from a wide range of industries like



Pharmaceutical



R&D Laboratories



Food & Beverage



Cosmetic



Nutraceuticals



Biotechnology



Electronics



Hospitals



Semi-Conductors



Space Research



Automobiles



Medical Devices

In addition to business sectors, Pharmintech has a wealth of experience working with Government bodies on several high-profile cleanroom projects from INDIA to ASIAN & AFRICAN COUNTRIES & are a trusted manufacturer of Cleanrooms.

It starts with the technology

The tech in

PharminTECH

stands for



Technology Driven



Engineering Excellence



Construction & Aesthetics



High-Quality Products

The “Pharmintech Difference”

In-House
expertise

In-house Concept Design, Detailed Engineering, Manufacturing with support of Execution team & After Sales Service team, Testing & Validation team with vast experience in Cleanroom Industry.

+

Pharmintech provides Turnkey Design Build & stands above competition from design up to your budget till execution according to your schedule. Our engineering & clean construction is enabled by our in-house team.

Turnkey
Design Build

Unstoppable
approach to
Growth

+

Pharmintech can help you reach your aims of your achieving a desired Cleanroom facility, whether it's a new Greenfield build, upgrades OR Brownfield project, expansions, or renovations.

MANUFACTURING CAPABILITIES

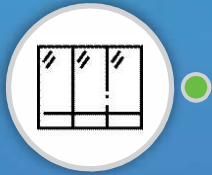
Facility for Cleanroom Modular Products	10000 Sq. feet Area
Facility for Equipment & Furniture	8200 Sq. feet Area
Storage Space for Stock, Finished Products	2500 Sq. feet Area
Manufacturing Capacity per week	10000 Sq.ft Panels 3000 Sq.ft Doors 30 Unit Equipment

Our Prestigious Clientele

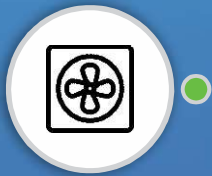
and many more

Products & Services



Modular Cleanrooms

Modular Cleanroom Wall Panel, Ceiling Panels & Air Risers
Cleanroom Doors, View Panels, Emergency Panels & Windows
Mobile Cleanroom Laboratory



Cleanroom HVAC

Hygiene Air handling Units, Air Filters, HEPA Terminals, Filtration Units & Ducting
Indoor Air Quality Control & Ventilation Works



Cleanroom Electrical, B.M.S. & EMS

Modular Electrical System with Lighting, Wiring, Telephone, Melaphone Alarm Systems etc.
Electrical Automation. Monitoring & Reporting with B.M.S & E.M.S System



Cleanroom Equipment & Furniture

Pass Boxes (Static / Airtight Hatch / Dynamic / Dynamic Negative Pressure Sink)
Horizontal LAF Workstation & Vertical LAF Workstation
Vertical LAF Unit & Mobile LAF Trolley
Sampling / Dispensing Booth & Sampling Workstation
De-dusting Tunnel & Bio Safety Cabinet
Air Shower & Mist Shower
Sterile Garment Cubicle & Fume Hood
Cleanroom Steel Furniture & Laboratory Modular Furniture



HIGHLY DURABLE PANELS

Cleanroom Modular Panel

Insulated Wall & Ceiling Panels

Pharmintech Wall & Ceiling Panels are self-supporting and designed with specific Cleanroom needs in mind. They provide a smooth wall surface with curved corners, making cleaning a breeze and keeping dust particles, viruses, and microbial and fungal growth at bay.

These system comes with a variety of features to make your Cleanroom more efficient and user-friendly. such as Return Air Risers, Covings, Pressure gauges, Cleanroom Phones and Melaphones etc.

Features & Specifications

Panel Type	- Progressive Cleanroom Panel
Material	- Galvanized Iron / Stainless Steel / HPL
Panel Thickness	- 50 mm / 80 mm / 100 mm
Insulation	- PUF / Mineral Wool / Honeycomb / PIR
Max Panel Width	- 1200 mm
Sheet Thickness	- 0.6 / 0.8 / 1.0 mm
Surface Finish	- Pre Coated / Powder Coated / Stainless Steel
Interconnection	- Al / GI interconnecting profiles
Coving	- Aluminum snap fit coving
Load Bearing Capacity	- upto 150 Kg / Sqm
Thermal Conductivity	0.018 W/mK for PUF & 0.035 W/mK for Mineral Wool



Cleanroom Doors & Windows

Like Modular panels, Doors play a key role in the preservation of your Cleanroom's specific environment.

Pharmintech Flush Metal Doors eases the highest standards of hygiene for Cleanroom environment in Pharmaceutical industries. These doors offer a new perspective in ergonomics and layout.

Features & Specifications

Frame Thickness	:	50 / 80 / 100 mm
Leaf Sheet	:	0.8 / 1 mm
Frame Sheet	:	1.2 mm thick GI frame OR as per requirement
Surface Finish	:	PCGI / SS 304 / SS 316 / HPL
Insulation	:	PUF / Mineral Wool / Honeycomb / PIR.
Glazing	:	Flush 5 mm toughened glass on both sides
Hardwares	:	All reputed brand hardware and accessories

Also, Our Cleanroom View Panels complies with the ergonomic & operational requirements of your facility.

Available in single and double flush type equipped with toughened glass and breather ports with silica gel powder to absorb the moisture which occurs due to the temperature difference between two rooms.



Mobile Cleanroom Laboratory

These mobile & compact versions of Cleanrooms are built into a 40' HQ containers which is compatible for Cleanroom upto Class ISO 7 and includes all the features and amenities of a standard cleanroom from modular walls, coving, doors, HVAC System to the flooring, electrical, utilities of a cleanroom.

Application : Pharma & Food Testing Lab / Cultivation Lab

The Pharmintech Mobile Cleanrooms can be delivered to anywhere in the world & install the balance components onsite to make it ready to use.



Features & Specifications

- Compact Sized Cleanrooms upto Class ISO 7
- Fit into standard 40' HQ shipping container
- Transportable through Standard Sea / Land mode
- Integrated with Passbox, Air Shower, Bio Safety Cabinet & Laminar Flow Workstations.
- Air-Lock safety entrance with Air Curtains Barrier at the entrance.
- Quick and Easy Setup with minimal site preparation needed
- Plug and Play connectivity with industrial grade and weatherproof - 3 phase power supply unit.
- Placed indoors as well as outdoors with a constructed top shed.



Cleanroom HVAC

PHARMINTECH is proficient at providing you with an accurate Design, Installation, Commissioning, and Qualification of Heating, Ventilation and Air-Conditioning system for your Cleanroom operation in a wide variety of industries like Pharmaceutical, Healthcare, R & D, Biotechnology, Food Processing & other manufacturing facilities.

Our Scope of work Includes the following

Design & Detailed Engineering of HVAC System
Complete HVAC - High Side & Low Side works
Hygiene Air Handling Units
Site Fabricated / Factory Fabricated Ducting
Indoor Air Quality Control
Low RH, Temperature Control & Monitoring
Humidification & De-Humidification
Ventilation Works

Benefits of Pharmintech HVAC System

- * In-house Design & Engineering
- * Custom Designed Air Handling Units
- * Durability & Ease Of Maintenance
- * Use of decades of Expertise in Cleanroom Design



Cleanroom Electrical, B.M.S & E.M.S

At Pharmintech, we offer comprehensive Cleanroom Electrical services that are specifically designed and engineered to meet the unique requirements of cleanroom facilities.

Our Building Management Systems (BMS) and Energy Management Systems (EMS), ensuring that all data is recorded, stored, and retrieved in compliance with regulatory norms.

Our team of experts is committed and up-to-date with the latest advancements in BMS and EMS technology to provide you with cutting-edge solutions that optimize energy efficiency, reduce costs, and enhance overall performance.

Major works in Electrical systems are :

- Load analysis and calculations with Basic and Detailed Engineering
- Sensors to Monitor and Display Relative Humidity, Temperature and Differential Pressure etc.
- Low Voltage Distribution (Data & Voice) with Cables and Trays
- Integration with other third-party services such as Compressors, Chillers, Vacuum Pumps, Fire Alarm System etc.
- Strict access control including audit trail, electronic records and electronic signatures in line with FDA 21 CFR



Cleanroom Flooring

Cleanroom flooring is a crucial component in maintaining the cleanliness and integrity of controlled environments.

We provide various options in flooring for wide range of applications

EPOXY Resin Flooring,
VINYL Sheet Flooring,
Antistatic Flooring,
Oil Resistant Flooring,
Industrial Grade Heavy Duty Flooring.

Features:

- Smooth and Seamless Surfaces
- Low Particle Emission
- Chemical Resistance
- Easy to Clean and Maintain
- Anti-Slip Properties
- Compatible with Floor-Based Systems



Air Filters

Air filters are the most important component in maintaining the cleanliness and integrity of controlled environments. We offer huge gradient of filters for various applications.

Types of Filters

- Box or Flange Type Pre Air Filters
- Fine Air Filters
- Gel Seal Type HEPA Filters
- Gel Seal Type ULPA Filters



HEPA / ULPA Terminal Boxes

A Terminal box is designed to meet the specific requirements of cleanrooms by distributing the air from Air Handling Units. A Terminal box consists of a static pressure box, a damper, a diffuser plate, a filter and an interface with the air pipe.

Features :

High-Quality Material in Aluminium, Galvanised Iron, Stainless Steel

Enhanced Aesthetics with efficient design.

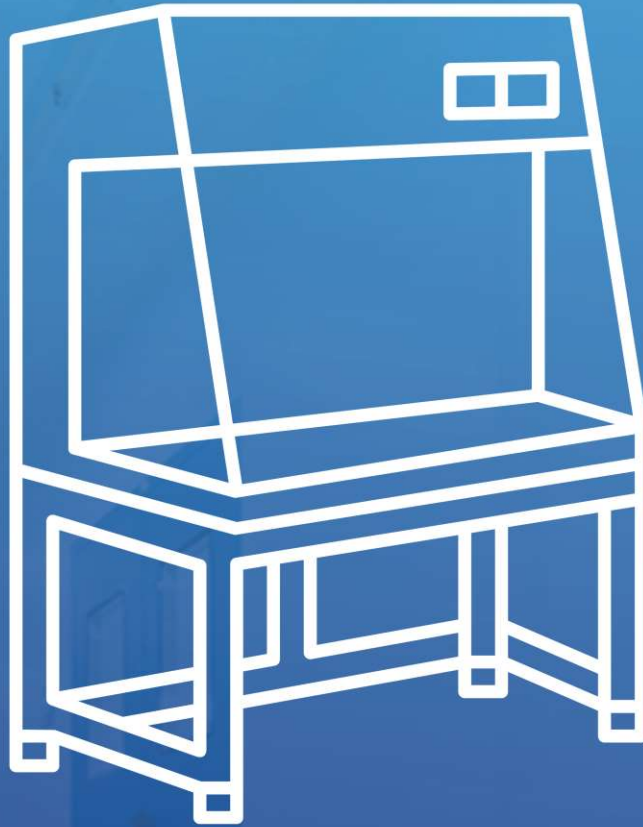
Manual OR Motorized Air Flow Maintenance and control

Low Sound Level

Easy and Quick Filter Replacement

Filter Class Options with H-13, H-14, U-15 & U-16





Cleanroom Equipment and Furniture



Static Pass Box

PHARMINTECH Static Pass Box is specifically designed for material transfer within same Cleanroom Classification without much personnel movement.

Available in 4B Stainless Steel Finish with SS 304 & SS 316 Material

Flush Double walled Construction with Internal Coving

Flush Doors with double walled flush glass view panels

Electro-Magnetic / Mechanical Interlocking

Feather touch Door Release Switch on either side

Types of Static Pass Box

NON-Flameproof / Flameproof Type

Straight Entry & Exit Type, L Type & 3 Way ' T ' Type



Airtight Pass Hatch

PHARMINTECH Airtight Pass Hatch is specifically designed that aids in the material transfer without personnel movement inside a Cleanroom. The Airtight mechanism avoids air leakage during material transfer within same classified areas.

Available in 4B Stainless Steel Finish with SS 304 & SS 316 Material

Heavy duty radial hinges for Glass Doors

High Durability & High Strength Toggle Lock

Food Grade D type Gasket embedded in Toughened Glass Doors

Types of Airtight Pass Box

NON-Flameproof / Flameproof Type

Straight Entry & Exit Type, L Type & 3 Way ' T ' Type



Dynamic Pass Box

PHARMINTECH Dynamic Pass box helps in prevention of contaminants entrance either in the Cleanroom of same OR differently classified areas.

Available in 4B Stainless Steel Finish with SS 304 & SS 316 Material

Air cleanliness : ISO Class 5 with Air Velocities : 90 ± 20 % FPM

Electro-Magnetic / Mechanical Interlocking

Air Flow: Vertically Downwards – Re-circulatory

Supply Filter: HEPA Filter - H-14 - Efficiency- 99.997% down to 0.3 micron

Types of Dynamic Pass Box

NON-Flameproof / Flameproof Type

Straight Entry & Exit Type, L Type & 3 Way ' T ' Type



Negative Sink Dynamic Pass Box

PHARMINTECH Negative Sink Dynamic Pass box facilitates the seamless transfer of materials in potent areas. It is equipped with Independent Exhaust System connected to BIBO System, Airtight Glass Doors, Push-to-talk Intercom ensuring safety of the Controlled critical areas.

Available in 4B Stainless Steel Finish with SS 304 & SS 316 Material

Electro-Magnetic / Mechanical Interlocking

Exhaust Air Flow Through Circular / Rectangular duct.

Available with AND without Filtration system

Integrated with Intercom Device for communication between two rooms



Horizontal LAF Workstation

PHARMINTECH Horizontal LAF Workstations are designed to supply high precision worktables with a continuous horizontally directed flow of Class 100 Clean air to maintain a work table that is free from particles providing the product protection.

Available in Powder Coated & Stainless Steel SS 304 / SS 316 / SS 316 L Material

Air cleanliness : ISO Class 5 with Air Velocities : 100 ± 20 FPM

Digital Control Panel with Inbuilt Hour Meter and LED Display

Air Flow Direction : Horizontal – Re-circulatory

Supply Filter: HEPA Filter - H14 - Efficiency- 99.997% down to 0.3 micron

Application : Microbiology / Product Testing Laboratory

Available in Flameproof / ATEX Proof Type with all FLP Electrical



Vertical LAF Workstation

PHARMINTECH Vertical LAF Workstations are designed to supply high precision worktables with a continuous vertically downward flow of Class 100 Clean air to maintain a work table that is free from particles providing the product protection.

Available in Powder Coated & Stainless Steel SS 304 / SS 316 / SS 316 L Material

Air cleanliness : ISO Class 5 with Air Velocities : 100 ± 20 FPM

Digital Control Panel with Inbuilt Hour Meter and LED Display

Air Flow Direction : Vertically Downwards – Re-circulatory

Supply Filter: HEPA Filter - H14 - Efficiency- 99.997% down to 0.3 micron

Available in Flameproof / ATEX Proof Type with all FLP Electrical



Vertical LAF Unit

PHARMINTECH Vertical LAF is designed to create areas supplied with a continuous flow of clean air to maintain a work environment that is free from particles.

Available in Stainless Steel SS 304 / SS 316 / SS 316 L Material

Air cleanliness : ISO Class 5 with Air Velocities : 90 ± 20 % FPM

Air Flow Direction : Vertically Downwards – Re-circulatory

Supply Filter: HEPA Filter - H14 - Efficiency- 99.997% down to 0.3 micron

Available in Flameproof / ATEX Proof Type with all FLP Electrical

Types of Vertical LAF Unit

Ceiling hanged, Stand Mounted with wheels & Machine Mounted



Mobile LAF Trolley

PHARMINTECH Mobile LAF is designed for transporting sterile products under ISO Class 5 (Class 100) particle free work area. The work area is continuously supplied with positive pressure HEPA filtered air flow.

Available in Stainless Steel SS 304 / SS 316 / SS 316 L Material

Air cleanliness : ISO Class 5 with Air Velocities : 90 ± 20 % FPM

Air Flow: Vertically Downwards & Horizontally – Re-circulatory

Supply Filter: HEPA Filter - H-14 - Efficiency- 99.997% down to 0.3 micron

SS 304 Handles with Lockable Castor wheels for easy movement

UPS System with battery for power backup of 60 minutes



Reverse LAF Booth

PHARMINTECH RLAF is designed to provide high level of protection from airborne contaminants generated during powder handling operations such as sampling & dispensing. It provides Operator, Product & Environment Protection.

Available in Powder Coated Steel and Stainless Steel Finish

Air cleanliness : ISO Class 5 with Air Velocity : 90 ± 20 % FPM

Audio Visual Alarms using Digital Differential Pressure Gauge

Supply HEPA Filter - H14 - Efficiency- 99.997% down to 0.3 micron

Available in Flameproof / ATEX Proof Type with all FLP Electrical

Type 1 : Booth for large batches & Workstations for smaller batches

Type 2 : Downflow Booth with 100 % Exhaust & RABS



Reverse LAF Workstation

PHARMINTECH Reverse LAF WORKSTATIONS are compact version of our Sampling Booths designed for providing protection from contaminants generated during powder handling operations such as sampling & dispensing of small volume batches of products.

These down flow workstations having 2 stages of filtration provides a continuous negative pressure working area with help of bleeding of 10-15 % of the Air.

A clean, constant, laminar down flow of Class 100 air is supplied in work area suppressing any dust clouds generated during small batch processing and capturing those particles from the operator's breathing zone.



Bio Safety Cabinet

PHARMINTECH (BSC) is designed to provide personnel, environmental and product protection during critical material handling processes.

Types of Bio Safety Cabinet

Class II : There are more differences like divided into four types A1, A2, B1 & B2.

Class III : It's also known as glove box & offers maximum protection.

Available in Powder Coated Steel and Stainless Steel Finish

Air cleanliness : ISO Class 5 with Air Velocities : 90 ± 20 % FPM

Air Flow type : Re-circulatory OR 100 % Exhaust with Bag in /out arrangement

Supply Filter: HEPA Filter - H14 - Efficiency- 99.997% down to 0.3 micron

Available in Flameproof / ATEX Proof Type with all FLP Electricals



De-dusting Tunnel

PHARMINTECH De-dusting Tunnel is designed to effectively remove dust and particles from materials entering controlled environments making it ideal for use in pharmaceutical and other sensitive manufacturing facilities.

Available in Stainless Steel SS 304 / SS 316 / SS 316 L Material

Air Velocities : 4000 ± 20 % FPM

Motorized Conveyor with Brushing System & SS 304 Nozzles

Air Flow: Vertically Downwards & Horizontally – Re-circulatory

PLC Controller & Sensors for controlled operation of the unit

Accessories like Dust Collector Tray, Vinyl Curtains, Emergency Switches



Air Shower

PHARMINTECH Air Shower is designed to supply Class 100 HEPA filtered air at high velocity through the Nozzles to remove particulate matter from the body / garment of a person entering a Cleanroom.

Available in Powder Coated Steel and Stainless Steel Finish

Air flow through Jet Nozzles with Velocity upto 4000 ± 10 % FPM

Audio Visual Alarms using Digital Differential Pressure Gauge

Supply HEPA Filter - H 14 - Efficiency- 99.997 % OR 50 % down to 0.3 micron

Available in Flameproof / ATEX Proof Type with all FLP Electricals

Types of Air Shower : Straight Entry & Exit Tunnel / 90° L type Door Opening



Mist Shower

PHARMINTECH Mist Shower is a chamber installed at exit of Cleanroom to showering Mist (Air + Water) over the gown of a person and thus providing protection during de-gowning process in potent drug manufacturing areas.

Available in Powder Coated Steel and Stainless Steel Finish

Vertical + Horizontal misting through ultrasonic nozzles

PLC Controls with waterproof electronics & electrical

Inbuilt high pressurized water and air system with programmable logic

Pass chute for Sterile Garment transfer after De-gowning.

Mist Shower + Air Shower as combined option available with BIBO Exhaust

Available in Flameproof / ATEX Proof Type with all FLP Electricals



Fume Hood

Pharmintech Fume Hood is a type of local ventilation device that is designed to limit environmental exposure to hazardous or toxic fumes, vapors or dusts. The principle of Fume Hood is that the Air with fumes is drawn in from the front (open) side of the cabinets, and either expelled outside the building.

Available in Powder Coated Steel and Stainless Steel Finish

Durable and chemical-resistant construction with PP / FRP linings

Digital Control Panel with LED Display & Electrical Raceway

Exhaust Chimney with weather cowl, bends flanges, brackets etc.

Ducting : FRP duct pipe with suitable elbows & FRP Dampers

High Flow Capacity Exhaust FRP Blowers for drawing out the fumes efficiently

Available in Flameproof / ATEX Proof Type with all FLP Electricals



Sterile Garment Cabinet

PHARMINTECH Garment Storage Cabinet is designed to provide Class 100 particle free work area to meet storage needs for sterile garment which avoids any particulate accumulation. An integral HEPA filter and blower assembly provides a continuous wash of heated class 100 air over the garments.

Available in Powder Coated Steel and Stainless Steel Finish

Air cleanliness : ISO Class 5 with Air Velocity : 90 ± 20 % FPM

H-14 HEPA Filter with Efficiency- 99.995% down to 0.3 micron

Inbuilt heater with thermostat for storing sterile garment at certain temperature

PU Caster wheels for easy movement of the unit

SS 304 Hanging Arrangement / SS304 removable Shelves

Available in Flameproof / ATEX Proof Type with all FLP Electricals



Cleanroom Steel Furniture

Cleanrooms require specialized furniture that does not shed particles. You can rely on Pharmintech to supply the CLEANROOM furniture you need.

Our Cleanroom SS Furniture range includes

Stainless Steel Cross Over benches. Tables & Chairs

- Cleanroom Trolleys, Step ladders, Garment Storage Cabinets
- Working Tables, Computer Tables, QA tables with LED Lights for inspection
- Carts, Shelves, Storage Lockers, Stools, Drum Trolleys, Racks
- Cross Over Benches, Trays, mopping Trolleys, Bins, Sinks etc.



Laboratory Modular Furniture

Pharmintech Modular Laboratory Furniture modules - the perfect solution for creating a functional and efficient laboratory space.

Our modular furniture modules are designed to meet the specific needs of pharmaceutical and biotechnology laboratories, providing a seamless integration of functionality, durability, and aesthetics.

Whether you need a fume hood, workbench, storage cabinet, or a combination of these, our modular furniture modules can be configured to maximize your laboratory's productivity and organization.



Pharmintech Turnkey Solutions Private Limited

Get In Touch



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