



PharmintechTM



Turnkey Cleanroom Solutions

Modular Cleanrooms | Doors | HVAC | Equipment | Electrical | Utility | Furniture

Global Presence

 BioPlus LIFE SCIENCES	 Alembic Touching Lives over 100 Years	 VASUDHA PHARMA CHEM LIMITED	 glenmark A new way for a new world	 advenza ADVANCED VITAL ENZYMES	 INTAS	 KEMWELL KEEPING YOU COMPETITIVE	 Recipharm	 Cipla	 LUPIN	 Zim Zeal & Innovation in Medicine	 MEDTECH Caring for life	 Pfizer
 Biocon	 teva	 Bhageria Industries Limited	 Syntho Pharmaceuticals Pvt. Ltd. WHO GMP CERTIFIED COMPANY	 ATNT LABORATORIES	 Mylan®	 SRF We always find a better way	 WOCKHARDT	 JRF GLOBAL	 Leben LABORATORIES PVT. LTD.	 VB MEDICARE	 SHODHANA LABORATORIES	 TLN PARENTERALS
 MERCK	 Medikop Multiples...healthy Life	 BioSci® Healthcare Delivering Future Diagnostics	 NULIFE Power of the human touch	 Kopran	 VIDHI SPECIALTY FOOD INGREDIENTS LIMITED	 ISHITA	 WEST BENGAL CHEMICAL INDUSTRIES LIMITED	 CURIO	 Devi Chemsience Pvt. Ltd.	 zydus Dedicated To Life	 ARaymond® READY TO WEAR FASHION	 Techno Park PLASTICS
 भारतीय रक्षा सेवा भारत के BARC FOR THE SERVICE OF THE NATION	 AARTI INDUSTRIES®	 HIKAL	 FRESENIUS KABI	 LEV RAM™	 UMA SURGICALS	 Shah Eye Care (P) Ltd. We create change.	 ELKAY® SILICONES	 APPASAMY OPTICAL DEVICES (P) LTD.	 ENDURANCE	 3M	 msc Pharma Pvt. Ltd.	 SYNJOINT TECHNO PVT LTD
 SWATI	 MEYER	 Meril	 Meril Endo-Surgery	 MICRO CRISPR REDESIGN LIFE	 KIMIA chemistry of well being	 Yenepoya Technology Incubator	 KILBURN ENGINEERING LIMITED	 Flemingo Dedicated to Global Healthcare	 KALINGA UNIVERSITY	 SAVA HEALTHCARE	 NEON	 SHREE NAIMA YOU CARE FOR THE PRODUCT WE CARE FOR THE PACKAGING
 KS	 AMI LIFESCIENCES™	 Piramal Pharma Limited	 Vacxigen Stay Protected	 WIZCURE Works like magic	 TRANSASIA®	 Mangalam Drugs & Organics Ltd.	 BLUE CROSS	 Veko® A healthy buddy. A happy buddy.	 drytech	 Brooks LABORATORIES LIMITED	 Samnan	 TERUMO
 ACUMEN Pharmaceuticals Private Limited	 ajanta pharma	 ATA Enduring Value	 IPL® Biologicals	 AVIENT	 Axxellent Pharma Science Private Limited	 Blossom PHARMACEUTICALS	 olon	 BLUE JET HEALTHCARE	 RAJESH PLASTICS	 fertin India A Fertin Pharma Company	 Umalaxmi Since 2000	 RB
 Fusion Driven to be the best	 Ind-Swift LABORATORIES LIMITED	 INDUS Biotech® Precision • Safety • Efficiency	 Inga	 CRANE ChemPharma Energy	 NEWAGE Packaging Solutions	 GUFIC BIOSCIENCES LIMITED	 SOHAN Healthcare Pvt. Ltd.	 RAY LIFE SCIENCES	 ZCL CHEMICALS LIMITED	 MALAS SINCE 1988	 PARAS DEFENCE TECHNOLOGIES LIMITED	 PROTO CHEMICAL INDUSTRIES LTD.
 SMM® Specialized Manufacturers of Medicines, S.A.	 M&B	 hikma.	 KCK Innovating Healthcare	 Aquatic	 africure	 DeShalom	 SUN PHARMA	 باش فارما BASH PHARMA	 PACIFIC	 Encube	 AUSCEL LABORATORIES LTD	 biomedical Limited

Our Journey

Pharmintech Turnkey Solutions Pvt. Ltd., established in 2013, is a Cleanroom Design & Manufacturing Company specializing in providing Turnkey Services to Various Industries.

With expertise in Design, Manufacturing, Execution, Validation, and Documentation, Pharmintech has partnered with more than 300 global organizations in India and regions like Nigeria, Uganda, Mozambique, Malaysia, Vietnam, Algeria, Bangladesh, Sudan, and beyond, consistently delivering excellence in cleanroom projects.



*The Pharmin**TECH** Advantage*

Design
TECH

Manufacturing
TECH

Project
TECH

Service
TECH

Quality
TECH

Turnkey Excellence



Concept
Design &
Proposal
Development



Detailed
Design &
Turnkey
Engineering



Project
Planning &
Management



In-House
Manufacturing
&
Quality Control



Project
Procurement
& Execution



Cleanroom
Health
Checkup &
Validation



Qualification
(IQ/OQ/PQ)
& Handover

Concept to Commissioning

MANUFACTURING CAPABILITIES



**25000
SQ.FT**

Modern Manufacturing Facility for cGMP-compliant Modular Panels, Doors, Cleanroom Equipment & Furniture for the customized demands of Cleanroom facilities.

In-house Products & Services



**Cleanroom Wall
& Ceiling Panels**



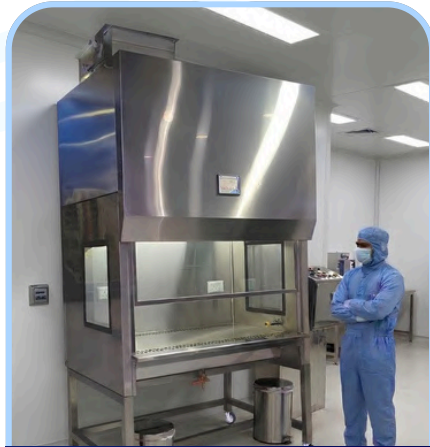
**Cleanroom HVAC
Design & Engineering**



**Cleanroom Doors
& Windows**



**Lowside Electrical
& ELV Systems**



**Cleanroom Equipment
& Steel Furniture**



**Modular & Mobile
Laboratory Setup**



**Water System
& Utility Piping**



**BMS System
& EMS System**

Cleanroom Wall & Ceiling Panels



Pharmintech wall and ceiling panels are self-supporting and designed specifically for cleanroom requirements.

They provide a smooth wall surface with curved corners, which makes cleaning easy while keeping dust particles, viruses, and microbial or fungal growth at bay.

Key Specifications

- Panel Type: Progressive Cleanroom Panel
- Panel Thickness: 50 mm | 80 mm | 100 mm
- Insulation : PUF | PIR | Mineral Wool | Honeycomb
- Max Panel Width: 1200 mm
- Sheet Thickness: 0.6 | 0.8 | 1.0 mm

Cleanroom Doors & View Panels



Pharmintech flush metal doors adhere to the highest standards of hygiene for pharmaceutical cleanroom environments.

Our doors offer a new perspective on ergonomics and layout of Cleanrooms.

Key Specifications

Construction: Powder coated MS | SS 304 | HPL

Frame Thickness: 50 | 80 | 100 mm

Leaf Sheet Thickness: 0.8 mm

Frame Sheet Thickness: 1.2 mm thick GI

Insulation: PUF | Mineral Wool | Honeycomb | PIR.

Cleanroom HVAC



Pharmintech is proficient in providing accurate design, installation, commissioning, and qualification of Heating, Ventilation, and Air-Conditioning (HVAC) systems

Scope of Work

- Concept and Comprehensive Design & Engineering
- Air Handling Units | Chillers | Cooling Towers
- VRF Systems | Ventilation Systems
- Fan Filter Units (FFU) | Air Risers | BIBO System

Cleanroom Electrical



Pharmintech specializes in comprehensive design & engineering of electrical services for cleanroom facilities ensuring strict compliance with industry standards while adapting to our customer's unique operational needs.

Scope of Work

- Fundamental & Detailed Electrical Engineering
- Electrical - HT | LT | Lighting | Cabling
- Control & Monitoring - BMS | EMS
- Low Voltage System like FAS | LAN | Networking etc.

Mobile Cleanroom & Laboratory



These compact, mobile cleanrooms are built into 40 Feet HQ containers and are compatible with cleanroom standards up to ISO Class 7 including all the features of a standard cleanroom, including modular walls, coving, doors, HVAC systems, flooring, electrical systems, and utilities.

Key Features

- Compact size facility up to ISO Class 7 areas
- Fits into standard 40-foot HQ shipping containers
- Integrated with pass boxes, air showers, biosafety cabinets, and laminar flow unit & Lab devices
- Air-lock safety entrance with air curtain barriers

Modular Laboratory



PHARMINTECH designs & engineers a flexible, ergonomic, and GMP - compliant solution for creating functional laboratory spaces.

Lab Furniture module is engineered ensuring seamless integration of functionality, durability, and aesthetics.

Design Philosophy

- Modular units to adapt to laboratory workflow.
- Powder Coated MS | SS 304 construction with chemical-resistant linings.
- Optimized heights, color options, smooth edges, durable hardware & operator friendly layouts.

Cleanroom Process Water System



Pharmintech provides design and engineering services for cleanroom process water systems.

Our solutions are developed to ensure reliable storage, controlled transfer, and efficient piping integration for critical operations.

Scope of Work

- PW | WFI | PSG Generation System
- Ultra Filtration Systems, RO, EDI
- PW | WFI | PSG Distribution System
- Storage Tanks & Skid Pumps
- PW | WFI Loop Piping, Process & Utility Piping and more

Cleanroom Utility Piping



Pharmintech delivers design and distribution of high-purity cleanroom utilities like air, gas, water, and steam

Pharmintech ensures the safe and efficient distribution of critical process gases and fluids.

Scope of Work

Prefabrication & Installation of

- Process Air & Nitrogen
- Utility Distribution
- Potable Water, Chilled Water & Brine
- Steam Line

Cleanroom Flooring



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

We provide various options in flooring for a wide range of applications

Types of Flooring

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

Air Filter

Air filters are the most important component in maintaining the cleanliness and integrity of controlled environments.

We offer a huge range of filters for various applications.

Types of Filters

- Box or Flange Type Pre Air Filters & Fine Air Filters
- Gel Seal Type HEPA & ULPA Filters
- Bag-In/Bag-Out (BIBO) Type Filter and its Housing

HEPA | ULPA Terminal Boxes

A Terminal Box is designed to meet the specific requirements of cleanrooms by distributing the air from Air Handling Units.

Key Specifications

- High-Quality Material in Aluminium, Galvanised Iron, Stainless Steel
- Enhanced Aesthetics with efficient design.
- Manual OR Motorised 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





Static Pass Box

PHARMINTECH Static Pass Box is specifically designed for material transfer within the same Cleanroom classification while preventing cross-contamination and eliminating human movement during transfer.

Key Specifications

- Construction in SS 304 | SS 316 L - 4B Hairline finish
- Electro-Magnetic | Mechanical Interlocking
- Flush Double-walled Construction with Internal Coving
- Flush Doors with double-walled flush glass view panels
- Feather-touch Door Release Switch on both sides



Static Airtight Pass Hatch

PHARMINTECH Airtight Pass Hatch is specifically designed for material transfer inside a Cleanroom with airtight doors which avoids air leakage during material transfer within the same classified areas.

Key Specifications

- Construction in SS 304 | SS 316 L - 4B Hairline finish
- Electro-Magnetic / Mechanical Interlocking
- Heavy-duty radial hinges for Glass Doors
- High Durability & Strength Toggle Lock
- Food-grade D-type Gasket in Toughened Glass Doors



Dynamic Pass Box

PHARMINTECH Dynamic Pass Box is designed to transfer materials between areas of different cleanliness levels, while preventing cross-contamination through integrated HEPA filtration and interlocking doors.

Key Specifications

- Construction: SS 304 | SS 316 L
 - Electro-Magnetic | Mechanical Interlocking
 - PLC Controller with HMI (Touchscreen & Feather Touch)
 - Variants: NON-Flameproof | Flameproof Type
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Ventilated Pass Box

PHARMINTECH Ventilated Pass Box is designed for safe transfer of materials between controlled environments, preventing mixing of air & ensuring removal of airborne contaminants through continuous ventilation.

Key Specifications

- Construction: SS 304 | SS 316 L
- Electro-Magnetic / Mechanical Interlocking
- Continuous exhaust to maintain dilution effect
- Dedicated exhaust with duct connection to prevent accumulation of contaminants inside working space.



Negative Dynamic Pass Box

Pharmintech Negative Sink Pass Box is equipped with independent exhaust system that keeps the transfer area under steady negative pressure during transfer.

Key Specifications

- Construction: SS 304 | SS 316 L
- Electro-Magnetic | Mechanical Interlocking
- Exhaust Air Flow Through Circular / Rectangular Duct.
- Available with AND without a filtration system
- Exhaust Duct connected to Local BIBO System



VHP Pass Box

PHARMINTECH VHP Pass Box is engineered for sterile material transfer with integrated bio-decontamination using Vaporized Hydrogen Peroxide technology. It ensures high-level disinfection before materials enter critical cleanroom zones.

Key Specifications

- Construction: SS 304 | SS 316 L
- Integrated VHP generator for bio-decontamination cycle
- Electro-Magnetic | Mechanical Interlocking
- Available with AND without a filtration system



Horizontal LAF Workstation

PHARMINTECH Horizontal LAF Workstations supply high-precision worktables with a continuous horizontally directed flow of Class 100 clean air. This ensures a particle-free work surface, providing reliable product protection.

Key Specifications

- Construction: SS 304 | SS 316 L
 - Air Cleanliness: ISO Class 5 (Class 100) at work zone
 - 2-Stage Filtration Levels like Pre Filter and HEPA Filter
 - Air Flow Direction: Horizontal – Re-circulatory
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Vertical LAF Workstation

PHARMINTECH Vertical Benchtop LAF Workstations deliver a continuous vertically downward flow of Class 100 clean air, ensuring sterile work surfaces and product protection in compact laboratory setups.

Key Specifications

- Construction: SS 304 | SS 316 L
- Air Cleanliness: ISO Class 5 (Class 100) at work zone
- 2-Stage Filtration Levels like Pre Filter and HEPA Filter
- Air Flow Direction: Vertically Downwards – Re-circulatory



Ceiling LAF

PHARMINTECH LAF for production, filling and packaging lines are ceiling OR stand mounted Vertical LAF Units are designed to integrate with process machines supplying a flow of clean air to maintain sterile conditions during production operations.

Key Specifications

- Construction: SS 304 | SS 316 L
 - Air Cleanliness: ISO Class 5 (Class 100) at work zone
 - Air Velocity: $90 \pm 20\%$ FPM at the work surface
 - 2-Stage Filtration Levels like Pre Filter and HEPA Filter
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Mobile LAF Trolley

Pharmintech Mobile Laminar Air Flow Trolley is designed for safe and sterile transport of products under ISO Class 5 (Class 100) particle-free conditions.

Key Specifications

- Construction: SS 304 | SS 316 L
- Air Cleanliness: ISO Class 5 (Class 100) at work zone
- 2-Stage Filtration Levels like Pre Filter and HEPA Filter
- Battery back-up with inverter (60 minutes)
- Handles & Lockable PU Wheels for easy Movement



Sampling & Dispensing Booth

PHARMINTECH RLAF Booths provide a high level of user protection from airborne contaminants generated during powder & liquid handling operations.

Key Specifications

- Construction: SS 304 | SS 316 L
- Air Cleanliness: ISO Class 5 (Class 100) at work zone
- Air Velocity: $90 \pm 20\%$ FPM at the work surface
- 3-Stage Filtration Levels like Pre Filter, Microvee and HEPA Filter



Sampling RLAF Workstation

PHARMINTECH Reverse LAF Workstations are compact, benchtop versions of the RLAF Booth designed for small-volume batch sampling and dispensing.

Key Specifications

- Construction: SS 304 | SS 316 L
- Air Cleanliness: ISO Class 5 (Class 100) at work zone
- Air Velocity: $90 \pm 20\%$ FPM at the work surface
- 2-Stage Filtration Levels like Pre Filter and HEPA Filter
- Working table equipped with multiple utility port options



Solvent Dispensing Booth

PHARMINTECH Solvent Dispensing Booths provide a high level of protection during solvent dispensing operations.

Key Specifications

- Construction: SS 304 | SS 316 L
- Airflow: 100% exhaust (no recirculation) routed to a safe external discharge point or solvent abatement system.
- Electrical: All electrical components to be FLP-rated; lighting and controls to meet ATEX/IECEx zones as specified.



Downflow Booth with RABS

PHARMINTECH Downflow Booth provides an extended protection during powder OR liquid dispensing / charging operations. This consists of a 100% exhaust system which creates a negative pressure inside the booth.

Key Specifications

- Construction: SS 304 | SS 316 L
- Equipped with RABS System with Protective Screen & Glove Ports
- Airflow: 100% exhaust routed to a safe external discharge point or solvent abatement system.



Biosafety Cabinet

PHARMINTECH Biosafety Cabinets are designed to provide personnel, product, and environmental protection during critical product OR material handling processes such as microbiological testing, aseptic compounding, and potent drug manipulation.

Key Specifications

- Construction: Powder coated MS | SS 304
 - Air Cleanliness: ISO Class 5 (Class 100) at work zone
 - Supply & Exhaust Filtration through HEPA Filters
 - Automatic | Manual operating Toughened glass Sash
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Glove Box Workstation

Class III cabinets, also known as glove boxes, provide maximum protection. They are gas-tight enclosures with HEPA-filtered supply and exhaust, operated through glove ports to eliminate direct operator exposure during critical operations.

Key Specifications

- Construction: Powder coated MS | SS 304
- Air Velocity: $90 \pm 20\%$ FPM with HEPA Filtered Air
- Audio visual alarms for Velocity & Differential Pressure
- Fixed Sash with glove ports & Integrated pass box



Air Shower

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

Key Specifications

Construction: Powder coated MS | SS 304

Adjustable jet nozzles arranged for full-body coverage

Digital differential pressure gauge with audio-visual alarms

Door interlocks and timed cycles.



Mist Shower

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

Key Specifications

- Construction: SS 304 | SS 316
- Vertical + Horizontal misting via ultrasonic or high-pressure atomizers.
- Microprocessor & PLC Controls with waterproof electronics
- Pass chute for sterile garment transfer after De-gowning.



Filter Cleaning Booth

PHARMINTECH Filter Cleaning Booths & Stations are engineered for safe, compliant cleaning of AHU pre-filters, pocket filters, and housings used in cleanrooms and HVAC systems.

Key specifications

Construction: SS 304 | SS 316L

Manual | Automated operation with high-pressure Wash, Rinse & Dry
Loading booth with high-pressure nozzles, detergent dosing, and integrated drying tunnel.



Dust Collector System

PHARMINTECH Dust Collector Systems are engineered to capture, contain, and safely exhaust particulate generated in pharmaceutical processes like powder handling, blending, and packaging.

Key specifications

Construction: Powder coated MS | SS 304 | SS 316L

Types: Baghouse (pulse-jet), Cartridge, Cyclone pre-separator

Airflow capacity: 500 – 20,000 CFM

Primary separation: Cyclone or pre-filter bank



Dedusting Tunnel

PHARMINTECH De-dusting Tunnel is engineered to effectively remove dust and particulate matter from materials entering controlled environments. It ensures that raw materials, containers, and equipment are free from contaminants before entering cleanrooms.

Key Specifications:

- Construction: Stainless Steel SS 304 / SS 316 / SS 316L
 - 3-Stage filtration system with exhaust connected to Dust Collector
 - Automatic Conveyor System with integrated brushing mechanism
 - SS 304 precision nozzles for uniform air distribution
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Fume Hood

PHARMINTECH Fume Hoods are local ventilation devices engineered to protect personnel and the environment from hazardous fumes, vapours, and airborne dust during chemical handling and laboratory operations.

Key Specifications

- Air Intake: Front open face (operator side)
- Exhaust Type: 100% exhaust to the external atmosphere
- Construction Material: Powder Coated Steel / SS 304 /
- Internal Lining: Resin, PP or FRP chemical-resistant lining



Dynamic Garment Cubicle

PHARMINTECH Sterile Garment Storage Cubicle is designed to provide a Class 100 particle-free work area to meet storage needs for sterile garments, which avoids any particulate accumulation.

Key Specifications:

- ISO Class 5 air cleanliness with velocity $90 \pm 20\%$ FPM
- H-14 HEPA filter, efficiency 99.999% down to 0.3 micron
- Inbuilt heater with thermostat for controlled garment temperature
- SS 304 hanging arrangement / removable shelves

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Cleanroom Steel Furniture

All items available in SS 304 / SS 316 / SS 316L with 4B finish, radius corners, and non-shedding construction.

- Workstations & Tables
- Cross Over Benches
- SS Cleanroom Chair & Stools
- Cleanroom Cabinet & Lockers
- SS Shoe Racks, Trolleys & Transfer Equipment
- SS Cleanroom Pallets and more



Pharmintech Turnkey Solutions Private Limited



Get in Touch

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