

ROBUST CLEANROOM SOLUTIONS PVT. LTD.



**YOUR PARTNER IN ACHIEVING
CLEANROOM EXCELLENCE**

www.rcleansolutions.com

About

ROBUST CLEANROOM SOLUTIONS

Robust Cleanroom Solutions is a new age firm providing the advanced cleanroom design and engineering services. We specialize in delivering state-of-the-art solutions tailored to meet the rigorous demands of the pharmaceutical and other industries.

Our team combines deep industry expertise with cutting-edge technology to create environments that ensure the highest standards of cleanliness and compliance. From initial design and drafting to project management and implementation, we are committed to supporting your business with customized, efficient, and reliable cleanroom solutions.

Mr. Abdul Sattar & Mr. Karthik Bavana

Founders of Robust Cleanroom Solutions

Mr. Abdul Sattar and Mr. Karthik Bavana , the visionary founders of Robust Cleanroom Solutions, bring a wealth of expertise and innovation to the company. With extensive backgrounds in cleanroom technology and project management, they have established a firm dedicated to delivering exceptional cleanroom solutions for the pharmaceutical industries.

Under their leadership, Robust Cleanroom Solutions has been at the forefront of designing and implementing state-of-the-art environments that meet the highest standards of cleanliness and compliance. Their commitment to excellence and their deep understanding of industry needs drive the company's success and ensure that clients receive tailored, cutting-edge solutions.

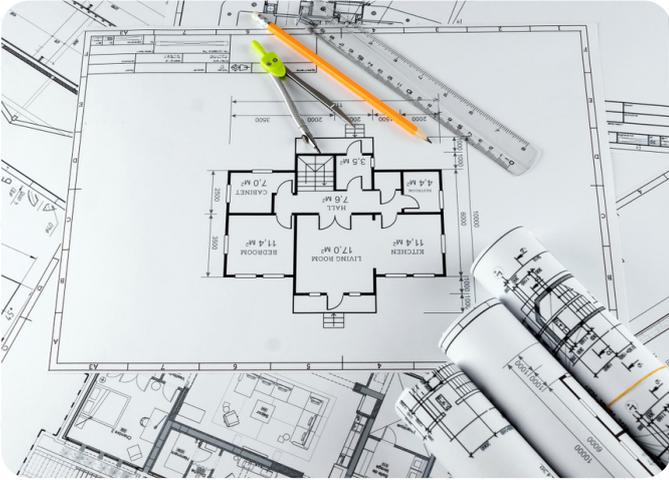
Together, Mr. Abdul Sattar & Mr. Karthik Bavana are committed to advancing the field of cleanroom technology, leveraging their combined experience to address complex challenges and deliver superior results for their clients.



**Cleanroom Solutions For a Healthier
& Safer Working Environment**

Our Services

COMPREHENSIVE CLEANROOM SOLUTIONS



Design & Engineering

We offer bespoke cleanroom design services, ensuring that every aspect of your cleanroom meets the necessary standards for functionality, safety, and efficiency. Our engineers use the latest technologies to create environments that maximize productivity and compliance.



Installation & Commissioning

Our team manages the entire installation process, from initial setup to final commissioning. We ensure that all systems are properly integrated and tested, delivering a fully operational cleanroom tailored to your specific needs.



Consulting & Compliance

As industry experts, we provide strategic consulting services to help you navigate regulatory requirements and optimize your cleanroom operations. Our consultants offer guidance on compliance, maintenance, & process improvements.



Our Expertise

INDUSTRY-SPECIFIC SOLUTIONS

Robust Cleanroom Solutions excels in providing customized cleanroom environments for various specialized fields:



Pharmaceutical Manufacturing

Ensuring the highest standards for drug production and research.



Biotechnology

Designing cleanrooms that support advanced biotech research and production.



Microbiology

Creating controlled environments for precise microbiological testing and experimentation.



Research & Development

Facilitating cleanroom spaces that enhance innovation and discovery.



Operation Theatre

Designing sterile environments that meet stringent requirements for surgical procedures and patient safety.



FMGC Industry

Cleanroom solutions that ensure high standards of hygiene & quality control in fast-moving consumer goods manufacturing.

Product Categories

INDUSTRY-SPECIFIC SOLUTIONS

Comprehensive cleanroom solutions ensuring precision, durability, and environmental control for critical applications across industries.

MODULAR WALL PANEL

The wall panel system is designed with double-skinned, self-supporting modular panels that are flush on both sides. These panels are framed with an aluminium or galvanized iron profile. They are anchored to the RCC floor with a floor track and include adjustable levelling fixes with coving to accommodate flooring. The system integrates intermediate vertical, horizontal, corner, and top frames, all connected to the ceiling panel along with the coving.

MATERIAL OF CONSTRUCTION (MOC)

Pre-coated / GI powder coated / SS304

SHEET THICKNESS

0.6 / 0.8 / 1.0mm

PANEL THICKNESS

50/80/100/150mm

INFILL MATERIAL

PUF / Rockwool

INBUILT

Inbuilt / Projected raisers

CUTOUTS

Factory made / site made as per the design



MODULAR CEILING PANEL

Ceiling panels are double-skinned, insulated, and walkable, designed as load-bearing modular units. These panels are supported by a robust aluminum reticulated grid structure. They are suspended from steel trusses or RCC roofs using adjustable threaded rods, turnbuckles, and slide fittings. The panels include precise openings for filter housings, electrical fittings, supply and return air ducts, service pipes, and power and control cables, all of which are made leak-proof with appropriate framing. Additionally, all joints are sealed with high-quality food-grade silicon sealant to ensure durability and performance.

MATERIAL OF CONSTRUCTION (MOC)

Pre-coated / GI powder coated / SS304

SHEET THICKNESS

0.6 / 0.8 / 1.0mm

PANEL THICKNESS

50 / 80 / 100mm

INFILL MATERIAL

PUF / Rockwool

MODULAR DOORS

Our modular scientific Doors are crafted from 0.8mm thick galvanized iron (GI) sheets for the shutters and 1.2mm thick GI sheets for the frames and are powder-coated to meet cleanroom standards. Stainless steel doors are also available as an option. The shutters are filled with either honeycomb, polyurethane foam (PUF), or rock wool insulation. Each door is equipped with essential stiffeners, and the panel edges are reinforced with peripheral framing to enhance the rigidity of the panel joints.

Note: Customization of product based on the specific project requirement can also be evaluated and offered.



CLEANROOM EQUIPMENT

Robust offers, cleanroom equipment within the cleanroom for pharmaceutical, biotechnology, laboratory, semiconductor, hospital and FMCG. The equipment are designed with durability ease to use compactness.

Key products: Static / Dynamic Pass boxes, Air shower, Dispensing & sampling booths, static / dynamic garment cubical, cross over bench, Laminar air flow likes Horizontal, Vertical, Mobile & Ceiling LAFU.

LAB FURNITURE

Our lab furniture is meticulously engineered for both functionality and durability, designed to meet the demanding requirements of modern laboratories. Constructed from high-quality materials, our furniture ensures robustness & ease of maintenance while providing ergonomic workspace. With customizable configurations and a range of finishes, it enhances productivity and safety in laboratory environments. Each piece is crafted to support the rigorous needs of scientific research, offering both practicality and reliability.

Key products: Island Tables, Workbenches, Fume Hoods, storage cabinets, Lab sink etc.



HVAC

Cleanroom HVAC systems are essential for maintaining the stringent environmental controls required in cleanroom settings. These specialized systems manage temperature, humidity, and air cleanliness to ensure a controlled environment free from contaminants. Key components include high-efficiency air handling units (AHUs) equipped with HEPA or ULPA filters to capture airborne particles, and precision control systems for regulating airflow and environmental conditions. Our cleanroom HVAC solutions also feature ductless or modular air distribution systems to minimize contamination risk, along with temperature and humidity control units to maintain consistent conditions. Additionally, we provide advanced monitoring and control systems to ensure compliance with cleanroom standards and facilitate real-time adjustments. These components work together to create a stable, contaminant-free environment crucial for sensitive processes and research.



EXPERTLY ENGINEERED CLEANROOMS, RIGOROUSLY TESTED FOR PEAK PERFORMANCE

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