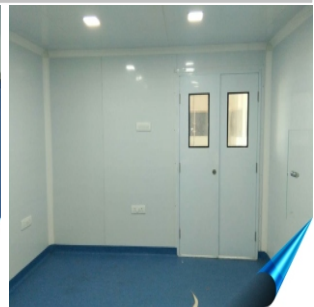
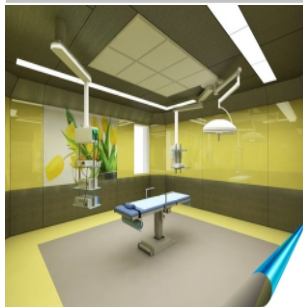




# RADON MED-TECH

## MEDICAL ENGINEERING



### COMPLETE TURNKEY SOLUTION FOR HOSPITAL TERRITORY

\*CENTER GAS PIPE LINE \* MODULAR OR \* VINYL FLOORING  
\* VOC FREE CLEAN LAB \* IVF / IUI SETUP



एन एस आई सी  
**NSIC**  
ISO 9001 : 2008

**MSME**  
सूक्ष्म, लघु एवं मझम उद्योग  
Micro, Small & Medium Enterprises

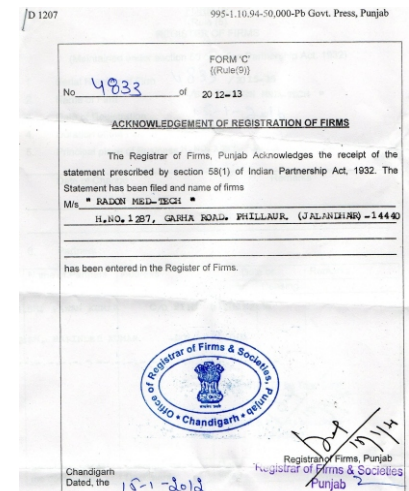


VER. 2017

## About Us

Radon Med-Tech was established in 2009 as an Indian venture of one of the world's foremost Hospi infra & medical engineering group. Over the past few years, Radon Med-tech has become one of the primary Turnkey Setup of Center Gas Pipe Line & Modular Operating Theatre construction and also specialists in Medical Systems including Drafting & Designing of project with provision of quality healthcare on a truly global basis, backed by a wealth of technical expertise and extensive experience

Radon Med-Tech is works & prepare Hospital/Clinic design as International Medical Gas and Operation Theater Standards. It provides full technical support and design services, understanding the customer's needs and providing a complete, safe, maintainable and cost effective system.



### Standard & Codes:-

BS-5682:1998, MDD -93/42/EEC, HTM 2022 and 02-01, NFPA 99, BS 864, BS: EN 13348, IS/7396-1: 2007 & Class I, Class II, Class III & Class IV, EN 438, IS/ISO 4586, ISO 9000, ISO 13485, GB/T/1900- 2000, ISO 9001:2008, YY/T/0287- 2003/ ISO 13485.

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## **Clean Room / Modular Operation Theater**

### **FEATURES**

A continuous flow of highly filtered 'bacteria-free' air is reticulated under positive pressure into the operating field and air contaminants generated during surgery are removed from the site. With anti-bacterial paint - has minimum durability of 15-18 years.

Seamless.

Easy to clean steam cleaned, electro metric (ideal for high humidity areas)

Vapour permeability (allows substrate moisture to escape) protects against growth of bacteria, mould and yeasts

Moisture resistance, freeze / thaw resistance.

All Corner R300 Radius as well as End Corner 3D of same Dimensions to Achieve 100% Air Circulation

Use of optimum quality raw materials

Compact & strong structure

Convenient & quick installation

Low maintenance cost

Effective serviceability

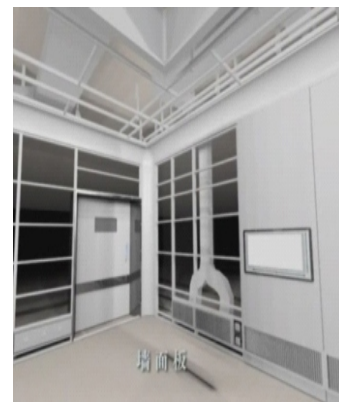


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## Clean Room / Modular Operation Theater

We offer Pre-Fabricate Modular Wall / Ceiling Panel, we use high strength Steel sheet material like Stainless Steel 304 (Ss304) or Electro Galvanized Steel sheet of 1.0mm to 1.6mm duly painted with VOC Free Paint or Powder Coated. The corners designs maintain to smooth flow of air circulation in O. T. / Clean Room. Design and fabrication of ceiling are modular such as attractive look and cover the laminar flow management system. All Corner R300 corner and end corner 3D with same dimension to achieve 100% air circulations. We use special anti-bacterial sealant in the joints to ensure hygiene.



**R<sub>Med</sub> Laminar air flow System** used for Modular OT applications, pharma filling, operation theater & packing line etc. Laminar Air Flow provides ultra clean sterile HEPA filtered of 0.03u class 100 air in a isolated area where the highly sensitive process activities are carried-out. Clean air CLAF laminar air flow available in complete stainless steel construction or GI construction with PU coated finish. Equipped with mini pleat HEPA with dynamically balanced ultra-low noise blowers for optimum airflow. Differential pressure monitoring done through magnehelic gauges. Various sizes can be manufactured and supplied to suit the specific site conditions. **The manufactures LAF complies with ISO 14644-1 clean room class**

## Anti-Bacterial Paint

Filling of all Joints and Cavities with Metallic Epoxy filler and Sanded flush to provide joint less finish and then sprayed with a water based liquid plastic aseptic and self – sterilizing well coating system to a d.f.t of 300 microns with primer. The sterile coating should be silver based and show resistance to a wide range of mixed species, including stubborn pathogens such as MRSA Acinetobacter aero genes, Bacillus subtilis, Escherichia coli, Listeria monocytogenes, pseudomonas aeruginosa, pseudomonas, putida, salmonella typhimurium, serratiamarcescens, staphylococcus Aureus etc.

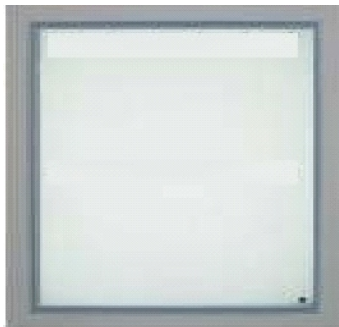


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## Anti-Bacterial, Anti-Static, Conductive PVC Flooring

We offered OT Area flooring of 2mm thick Imported ESD PVC flexible homogeneous compacted floor covering in tile of size 608mm x 608 mm, suitable for use in labs, OT's etc. and conforming to static electrical charge EN 1081  $5 \times 10^4 \leq R_t \leq 10^6$  ohms and Electrical resistance- ANSI / ESD 7.1 (ohms)  $2.5 \times 10^4 \leq R_t \leq 10^6$  ohms the conductive carbon coated PVC pellets create the permanent static-conductive properties. The Flooring protection characteristics with PUR+Iodin stain free properties. Its surface densely compacted for improving wear and ease of maintenance. It have anti-bacterial and fungicidal properties.



## X-ray viewer

We Offered X-ray viewer box is embedded in all panels to keep operating theater Sterile and to maintain laminar air flow. Our x-ray viewers are durable, and easy to maintain. Our X-Ray each Plate able to maintain illuminate films up-to 14"x17". X-Ray Viewer have Dimming PCB controlled basis.

## Wall Embedded OT Control Panel

Individually designed and customized for each hospital project. Digital display and Control temperature, humidity etc. local standard time, Operation time, An anaesthesia time with all medical gases systems. Integrate broadcasting, background music and intercom / telephony systems for the convenience of surgeons and surgical staff.



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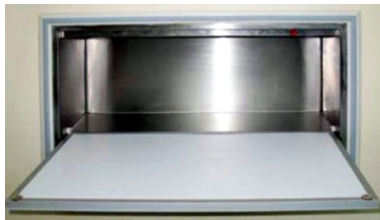


## Stainless Steel Pass Box

We Offer Waste Pass box is Wall embedded, made of Stainless steel 304 of size 500mm X 500mm, Waste Pass Box provide clean and Sterilize of MOT area. All the feature as per NFPA99, HTM2022,02-01 as per MDD/93/42/EEC Certification.



## Writing Table Cum Board



**R<sub>Med</sub>** Writing Table cum Board, wall embedded to provide clean and smooth surface of MOT wall. Writing Table cum board have in built storage space to collect the Stationary as well as have capacity to arm resting. The board is made of ceramic having magnetic properties.

## Writing Board

Wall embedded writing board of size 900mmx900mmx100mm  
Constructed out of stainless steel sheet.



## Pressure Reducing Damper

Wall embedded Pressure reducing Damper to maintain positives pressure in Operating room of 15-25 pascal according to NABH Norms. Damper of suitable size have AISI-304 stainless steel blades of thickness 1mm or more each. The statically and dynamically balanced pressure relief damper.

## Periphery Light

**R<sub>Med</sub>** Medical Grade LED illumination (500 Lux) bottom opening with feature of dimmable or non-dimmable . Body fabricated from CRCA sheet, finished with powder coated ,inside pre anodized aluminum reflector for better illumination with difference size as convenient to client. Periphery Light interfere when green model of Endoscopy is performed.



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## Surgeon Operation Theater Pendant

Surgeon O. T. Pendant Ceiling Mounted for Operation Theater. This pendant has single arm with free rotation at 330 degree angle and has following features Convenient positioning of medical equipments:-

1. Medical gas terminal outlets
2. Electrical & specialty services

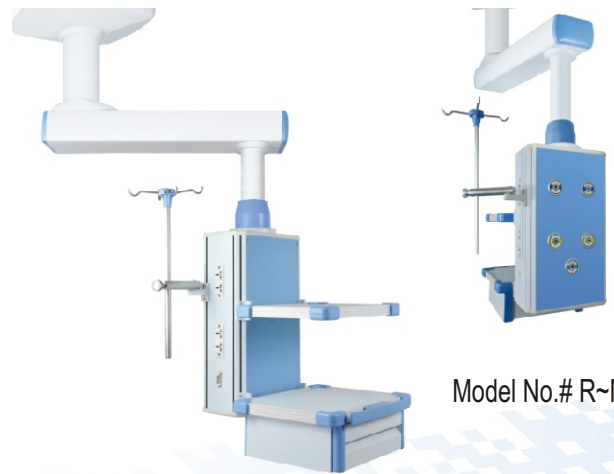
Ceiling mounted with robust flange supporting arrangements. Vertical leg & horizontal arm are made from good quality steel & powder coated to prevent any rust. There will be one support arm – 700 mm long. Support arm will be robust and revolve on high quality bearings to ensure smooth & quick glide of pendant head. There is a provision of adjustment knob to regulate freeness of head movement. 680 x 280 mm service box made of high purity aluminum to accommodate two oxygen, two vacuum and two four bar air terminal outlets, eight three pin 6 / 16 A electrical sockets (four will be connected to line power and four will be connected to UPS), data switch and socket for telephone. One monitor tray 760 x 350 mm made from stainless steel. IV stands made from stainless steel. All medical hose pipes will be antistatic and both ends of hose pipes will have non interchangeable. Electrical junction box mounted to carcass system over the false ceiling for connection of electrical cable services. Cable for inside pendant are nonflammable, low smoke and halogen free type. All cable will pass through flexible conduits.



Model No.# R~Med-600



Model No.# R~Med-602



Model No.# R~Med-601

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## Hermitically Sealed Door

**R Med** Hermetically Sealed Sliding/Swing (Automatic/Manual) Doors are used in our Clean Laminar Air for Operating room to ensure hygiene and to keep the air pressure, air temperature and air movement in control. It also provides space saving and safety as its moving panel slides into the sealed compartment. Radiation proof doors are also available. For the convenience these doors are operated either manually or Automatically by foot sensors and infra-red sensors are used for the safety.



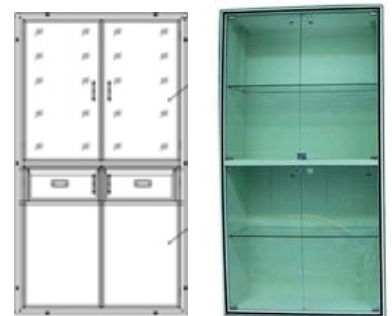
## Air Handling Unit (VRF/Non VRF)

We offer wide range of air handling units (AHU's) depending on the projects. As AHU's are most important part of any HVAC system so we choose only high Quality AHU's for the sustain ability of the project. Our Package Have PLC Based AHU control System .



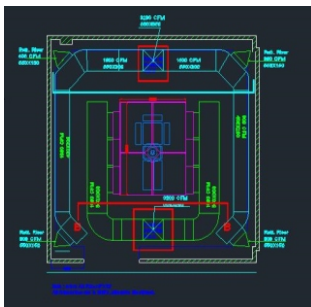
## Storage Cabinet

Wall-mounted drug cabinet (900mmx1700mmx300mm) made of 0.8mm~1.6mm stainless steel sheet and frame of aluminum profile. include partition glass. upper door made of reinforced glass. Different models available.



## Air Ducting

Air Ducts: ALUMINIUM (275 GSM) : 18 gage Air Ducts : Insulation thickness: 9 mm, Air Ducts on Terrace: Insulation thickness: 18mm  
Flexible, Double layer, fire retardant, Duct Connection  
FRP Cladding Air Ducts on Terrace, Aluminum Grill & Key Type Damper



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## Hermitically Sealed Door

**R<sub>Med</sub>** Hermetically Sealed Doors are used in Clean Operating room to ensure hygiene and to keep the air pressure, air temperature and air movement in control. It also provides space saving and safety as its moving panel slides into the sealed compartment. Door Leaf have stretcher guard made of AISI 304. Radiation proof doors are also available. For the convenience these doors are operated either manually or Automatically by foot sensors and infra-red sensors are used for the safety.



Hermitically sealed Sliding Stainless Steel Finish Door



Hermitically sealed Sliding Door



Fully Automatic Hermitically Sealed Sliding Door



Hermitically sealed Swing Door



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## WORKSHOP



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## **R A D O N M E D - T E C H ( I N D I A )**

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**Factory :# Sohal Khurad Road,Back Side Govt Sin Sec School,Nakodar(JAL)-144040**

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