



Ensuring Excellent Environment for Surgery



MedicraftTM
Technologies

ISO 9001 : 2015 Certified Company



www.medicraftindia.com



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Medicraft Technologies is instrumental in manufacture, supply and maintenance of 'Ultra Clean air Modular Operation Theatres' since its inception.

Our wide range of products consists of Modular OT enclosure, Hermetically sealed Automatic as well as Manual SS doors, Scrub Stations and custom made laminar flow equipment. Our professionals are committed towards building long term relationship with customers, by providing quality products and services at affordable prices.

We have a sound infrastructure, that consists of a state of the art ISO certified manufacturing unit with latest equipment and R&D department at Trichy, Tamil Nadu.

Our products and systems conforms prevailing standards, by passing through several inspections and quality tests before it reaches the end user.

We have accomplished remarkable success rate under the guidance and leadership of a team with more than 25 years

experience in designing, installation and maintenance of modular operation theatres and successfully completed more than 450 projects, in India and abroad.

Our intense focus on attaining maximum quality in our products, has led our company to success and establish a premium brand name in the industry.

Our satisfied customers themselves help us to promote our products in their networks and through which, we spread our wings to destinations abroad.



innovative & state of the art Modular OT solutions...

- Modular Operation Rooms with Choice of Walls and Floorings
- Ultra Clean Air Laminar Flow Ceiling System
- Modular IVF Lab with Clean Air Ventilation
- Hermetically Sealed Automatic / Manual Sliding Doors
- Hermetically Sealed Stainless Steel Automatic / Manual Swing Doors
- Lead Lined Radiation Safety Doors
- Surgical Scrub Sinks (Automatic / Manual)
- Service Pendants
- Surgeon's Control Panel
- Dimmable LED X-Ray Film Viewer
- Pass Box with Digital Control
- Sterile Storage Cupboards

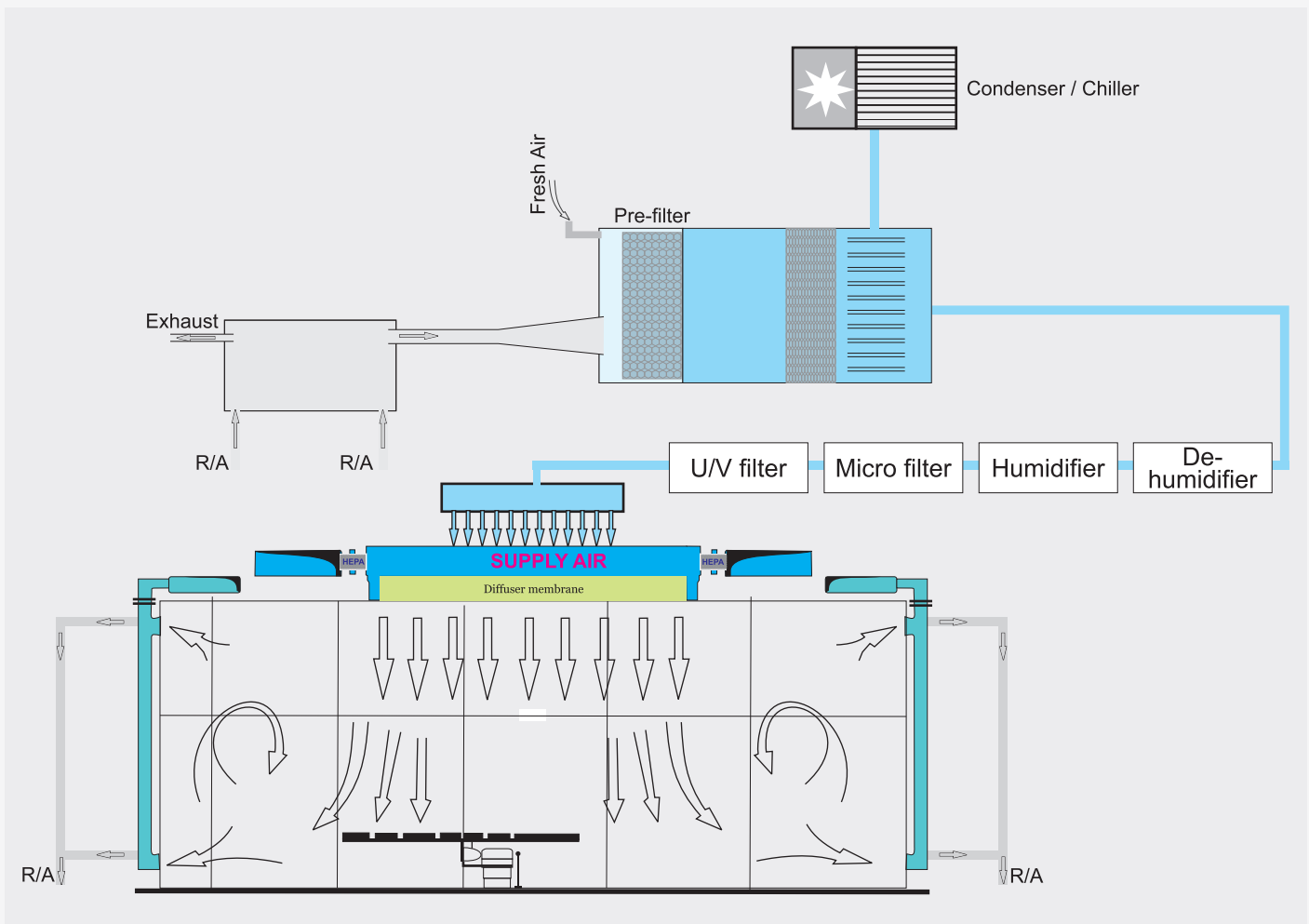
Ultra Clean Air Laminar Flow Ceiling System

Medicraft UCV (Ultra Clean Ventilation System) is the most important part of the modular Operation Rooms. These sophisticated systems are actually a combination of a variety of components, including dedicated air handling units, pressure chambers, filter grids, HEPA filters, priming illumination and air diffusers.

Medicraft Technologies assures zero bacteria sterile environment in Operation Rooms by; installing latest, high definition laminar flow ceilings systems, close monitoring of air parameters, conducting periodic test procedures and corrective measures.

Advantages

- Precision control on air parameters such as Temperature, Relative Humidity, Air filtration, Air dilution, Positive pressure, Particle count, etc.
- The downward & outward air flow in low turbulence, helps to carry away contaminated particles from surgery zone.
- The bacterial count in theatre environment is greatly reduced.
- Prevents entry of polluted air from neighbouring areas
- Minimize the use of chemicals & disinfectants
- Assured air change for a designed air volume
- Auto sterilization through UV filters.
- Enhanced life of medical equipments in theater environment through effective humidity control.



Medicraft Health Doors

Medicraft introduced a series of Hermetically Sealed Sliding / Swing Stainless Steel Doors (Automatic/ Manual) to Cater the clinical requirements of various hospital departments.

1. Highly Sterile areas ; Operation Rooms, IVF Labs and ICU's
2. Radiation safety applications ; X-ray, CT Scan and Cathlabs



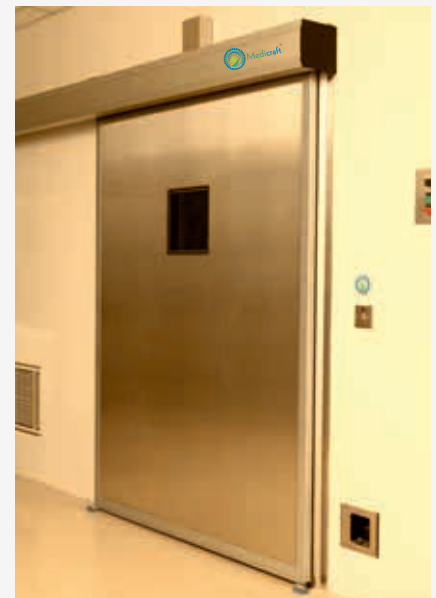
Manual / Automatic Sliding / Swing Door

Doors are specially designed as entrance door for Operation Theatre Complex, to control the air pressure which is of utmost importance in the Sterile Corridor.

These doors are equally double paneled and double swing, fitted with top mounting imported sliding / swing mechanisms.

Advantages

- Ensures positive pressure in Surgical zone
- Elegant appearance of the Complex
- Easy to clean and maintain Sterile
- Complying to all health standards
- Prevents accumulation of particles/bacteria





OUR PROJECTS

- ❖ Christian Medical Complex, Vellore
- ❖ G.B Pant Hospital Port Blair Andaman
- ❖ Dews of Hope Hospital Nigeria
- ❖ Velammal Medical College Hospital, Madurai
- ❖ Saveetha Medical College Hospital, Chennai
- ❖ Amala Institute of Medical Sciences, Trichur, Kerala
- ❖ St Anns Hospital, Vijayawada, AP
- ❖ Craft Hospital, Kodungallur, Kerala
- ❖ Daya Hospital, Trichur, Kerala
- ❖ Karpagam Medical College, Coimbatore
- ❖ Sanjoe Hospital, Perumbavoor
- ❖ Abirami Hospital, Coimbatore
- ❖ Sri Lakshmi Hospital, Coimbatore
- ❖ Kalyani Kidney Care Centre, Erode
- ❖ Madurai Kidney Centre, Madurai
- ❖ Harley R Ram Hospital, Madurai
- ❖ Sindhuja Hospital, Manapparai, Trichy
- ❖ SRM - Chennai Medical College Hospital, Trichy
- ❖ Pranav's Orthocare, Udumalpet
- ❖ Surya Hospital, Dharapuram
- ❖ St. James Hospital, Chalakudy, Trichur, Kerala
- ❖ Baby Memorial Hospital, Kozhikode, Kerala
- ❖ Peacock Hospital, Tiruthani
- ❖ Nirmala Hospital, Kozhikode
- ❖ St Martin De Porress Hospital, Cherukunnu, Kannur
- ❖ Oman Al Khair Hospital, Ibri, Oman



I Service Pendants

We have a series of Service Pendants - having motorised and manual operations, both imported and indigenous, Single and Double Arm for Anaesthesia and Surgical Purposes - to provide all necessary services and equipment connection facilities required for Operation Theatres and Critical Care Areas.

The pendants are of superior quality and performance, which are made out of extruded aluminium profiles and finished with electrostatic powder coating in selected colours. They have many advantages which include increased safety and hygiene. There are no cables or hoses to restrict movement within the department; all the equipment is connected by short connecting hoses or cables to integrated hook up points.

Medicraft Pendants ensure hassle free functioning as well as enhanced appearance of these departments.



I Double Arm

- Surgeon's multi movement Pendants
- Medical Gas outlets
- Power Sockets
- Medicine tray
- Monitor Carriage
- Load Carrying Capacity - 120 Kg



I Single Arm

- Anaesthetist's Service pendants
- Medical Gas outlets
- Power Sockets
- Adjustable Instrument Shelves
- Monitor Carriage
- Audio/Video/Data port
- IV pole
- Load Carrying Capacity - 160 Kg



Medicraft Seamless Flooring

The operation theater flooring is seamless moulded - made out of fibreglass Resins. This flooring is provided with curved skirting near the walls and finished with selected colours. The floor surface is scratch proof and hard enough for wheeled trolleys to roll on. It is easy to clean and maintain sterile.



The flooring provided with copper strip at the bottom at a distance of two feet lengthwise and width wise, the copper strips are 25mm wide x 30 SWG thick. All the copper strips are inter connected and connected to building earth.

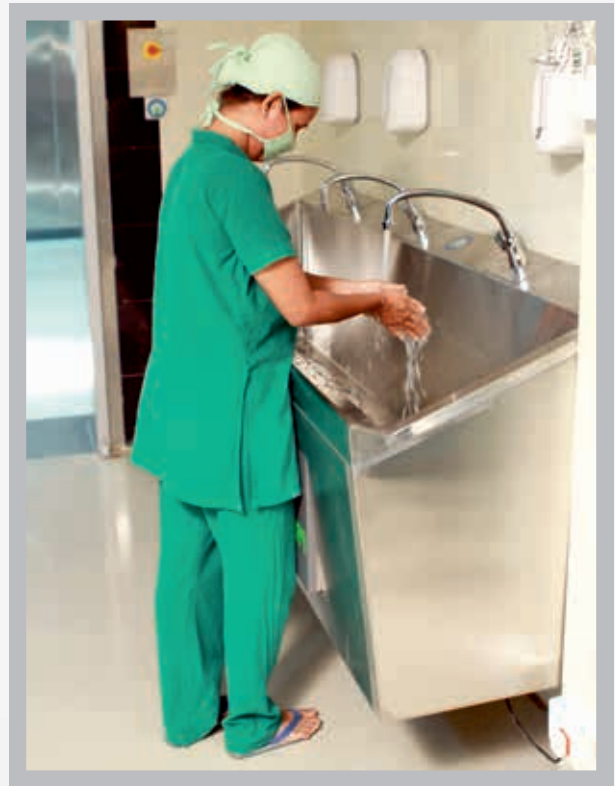
The floor masonry finish would terminate at the room perimeter passing over a concealed cover former and extending up to 75 mm over the wall. The floor will have an electrical resistance of 2.5×10 Ohms, as per DIN 51953 ATM F-150 or NFPA 99, B1 class of fire resistance and should meet UL standard 779, Fulfil product requirements as per EN 649.

Medicraft Surgical Scrub Sinks

Medicraft Surgical Scrub Sinks are made out of heavy gauge stainless steel material of AISI 304 grade, and are categorised according to different sizes, mode of operations and weather conditions.

We follow the clean room standards, in production techniques, which eliminate joints and sharp edges. The design of Scrub sinks and mode of operations done in such a way that, the wastage of water and scrub solutions should be very minimum. Our models are less prone to shut down and having less number of moving parts.

The latest technology fabrication methods, consumables and surface treatment process, which conforms to ASTM standards, increases the life and aesthetics of stainless steel Scrubs. There are special models available to meet the challenges due to the climate conditions of different areas and quality of available water.



Surgical Control Panel

Medicraft control panels for the modular operation theatres are in 3 variants.

1. Samsung LED Touch Screen android based system (CE marked).
This micro controller based electronic control panel is mounted directly in the operation theatre.
2. Membrane Tile Type panels &
3. Digital Control Panel with stainless steel casing.

The control panel can be customized as per the requirements.

Features :

- Operation timing - Elapsed time.
- Anaesthesia countdown - Countdown timer
- Time - Real time clock
- Temperature and Humidity Control and Display
- Hands Free Telephone
- Medical Gas Alarm System
- Peripheral Light Control



Surgeon's Control Panel Touch Screen



Surgeon's Control Panel Membrane Type

Static Pass Box

Medicraft Hatch box is equipped with fool proof double side display automatic mechanism which enables to open only one door at a time, UV light is embedded to prevent bacterial growth inside the box when the hatch is closed. The size of the device is 600x600x600 mm

Materials/Components used :

- Stainless steel AISI 304
- Electronic controller
- Ultra Violet Lamp
- LED white light
- 300 mm diameter view glass
- SS Handle and special hinges



LED X-Ray Film Viewer

Medicraft modular OT is equipped with superior brand LED X Ray Film Viewers in single, dual and three screen combinations, to view M.R.I, C.T. and X Ray images as per the needs of the radiologists.

Features :

- Slim, durable and effective
- Energy efficient
- No UV emission
- Film active switch
- 12 step digital dimmer
- Long life- led life 100000 hours





Quality Policy

Medicaft Technologies committed to achieve Quality Environment for operation rooms & highly specialized areas of Hospitals by applying innovative and state of art solutions of engineering as well as environmental challenges of the fast growing healthcare industry with dedicated & friendly services in project execution, timely delivery on enhanced customer needs and expectations.





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