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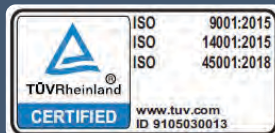
GRP DIVISION

(Formerly MRC Iclean Systems Pvt. Ltd.)



Simplified Cleanroom Solutions

We deliver Cleanroom solutions that are flexible, modular and durable





ABOUT US

Integrated Cleanroom Technologies Pvt. Ltd. (Iclean), a subsidiary of Takasago Thermal Engineering Co. Ltd., (TTE), Japan was established in 2003 to primarily serve the cleanroom requirements of customers, which were until served through imports, in India.

Over the years Iclean has evolved as an appreciated partner in building facilities for Pharmaceutical/ Biotechnology, Micro Electronics, Semiconductor, Nanotechnology, Hospitals, Food & Beverages, Dry Rooms, Specialty applications and Research & Development labs on turnkey basis. We are a technocrat driven company with management and senior staff having vast experience in similar industry spear heading the company into newer heights.

We are a facility build company since 2003, having manufacturing base at Hyderabad & Vadodara and project locations in all major cities across India. In a short span of time, we have evolved as one of the largest manufacturer of Cleanroom components such as Modular Partitions, Cleanroom Equipment, Lab Furniture, AHUs, Ducting etc.

All our products manufactured in a state-of-the art manufacturing facilities, are designed to meet operational flexibility and conform to stringent quality norms as per cGMP standards.

Rich Experience

Established in 2003, with over 22 years of rich experience

Technocrat Driven

Key management team with vast experience various segments

Wide Product range

One stop shot with full spectrum of design, manufacturing, installation, validation and handover

High quality

Products in compliance with major international quality standards

State of art facility

One of the largest facility in the country with state-of-art machines

Project Expertise

Highly experienced and skilled team of project engineers

NUMBERS AT A GLANCE

(PRODUCTION CAPACITY/YEAR)

CLEANROOM INTERIORS (M²)

7,20,000

CLEANROOM EQUIPMENTS (NOS.)

2000

LAB FURNITURES (UNITS)

4000

DUCTING (M²)

4,00,000

AIR HANDLING UNITS (UNITS)

2000



Introduction to GRP PANEL SYSTEM

Iclean is among the top Cleanroom solutions providing companies in the world.

Iclean-GRP paneling system manufacturing technique, couples with GRP formulation and specification, provides an impervious smooth surface which is inherently strong, resistant to damage and chemical attack.

Key Features of

iClean-GRP 1200 grid system

Ideal airflow movements

Allows flexibility in provision of service points

Provides a modular form of construction

Layout flexibility re-usability

Speed of construction and provides a short and long term economic solution



Iclean-GRP Panels

Proved design standards of cGMP

Modular wall and walkable non progressive ceiling panel

Integrated RAR and windows

100% resistant to Hydrogen Peroxide

Life span will be >35 years

Colour pigments are mixed with Resin, No need to paint

■ Features of Iclean 1200 system

They do not rust or rot and can be repaired easily on site

They have self-finish. Does not rely on a thin layer of laminate or paint

They have class 'O' spread of flame certificate **BS476** parts 6 and 7 and **ASTM 84 Class A**

They are extremely strong, robust, dent and scratch resistant too



Wall & Ceiling Panel

Wide range of wall and ceiling panels that are elegant and meet stringent technical requirements

Standard main wall panels or low-level extract panels are 958mm wide and are inked together with 234mm wide service panels, allowing an optimum gap for a silicone joint.

Integral wall to wall and wall to ceiling coves are a standard feature; in addition, wall to floor cove can be integrated to provide a smooth crevice free conclusion.

Non-Progressive Ceiling panels are designed for load bearing, walk-on servicing capability and easy to dismantle.

A full range of light, filter and other services can be incorporated into ceiling.



GRP Doors



- > Swing doors
- > Sliding doors
- > Emergency exit crash panel
- > Emergency escape doors
- > Interlocking system

Iclean-GRP doors been designed for conditions where a door has to meet the cGMP standards.

Doors are made of GRP, encapsulating high density core, the door thickness is 50mm, moisture absorption is Zero.

Hinges are incorporate adjustable spring closures and damping actions.



Transfer Hatch

It is essential to minimize man / material movement and avoid cross contamination between different classified areas to maintain integrity of products and processes.

- > Designed to integrate with any wall system
- > Can be wall or floor mounted
- > Toughened glass doors
- > HEPA filtration can be incorporated
- > Static and dynamic pass boxes with electromagnetic PLC controlled interlocking



Garments Cupboard



- > Single side or both side access available
- > Static and dynamic garment cupboard with electromagnetic PLC controlled interlocking
- > Customizable sizes and features
- > Doors are toughened glass or Polycarbonate
- > HEPA filtration can be incorporated

GRP cupboard integrated within panel system and suite all level of changing rooms, from low to high grade areas.



Step Over Bench (SOB)

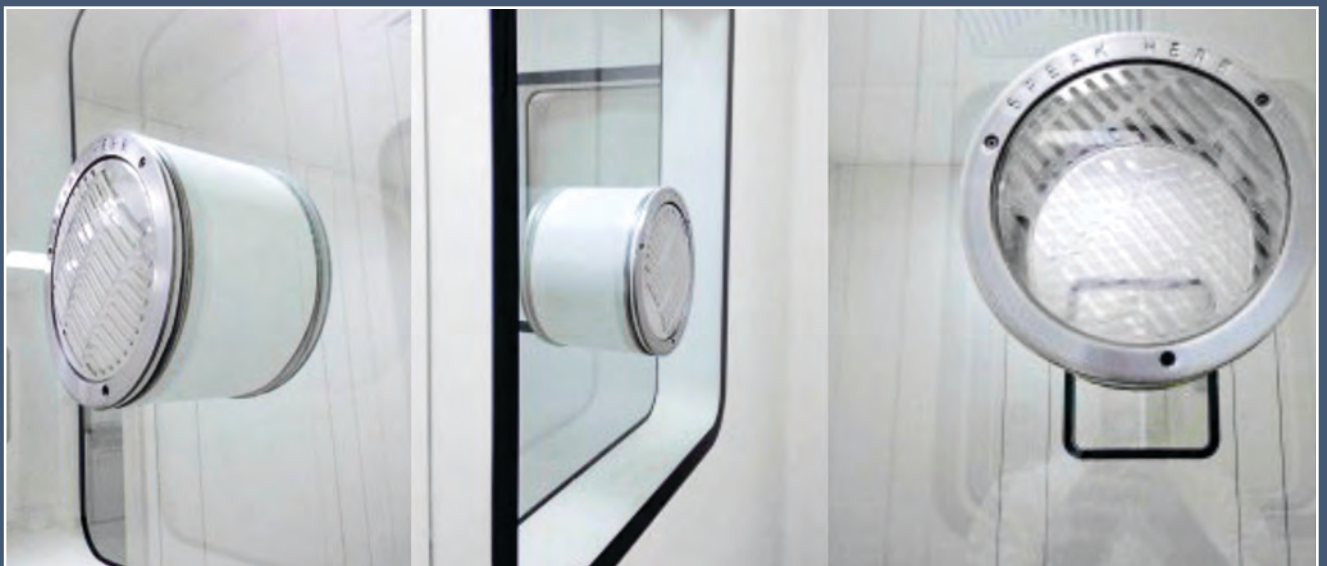
GRP Step over / Cross over bench is high quality, tough and durable.

- > High impact strength
- > Resistance to cleaning agents
- > Removable for equipment access
- > Available with or without storage
- > Integral rebate to accept any floor finish



Speech Unit

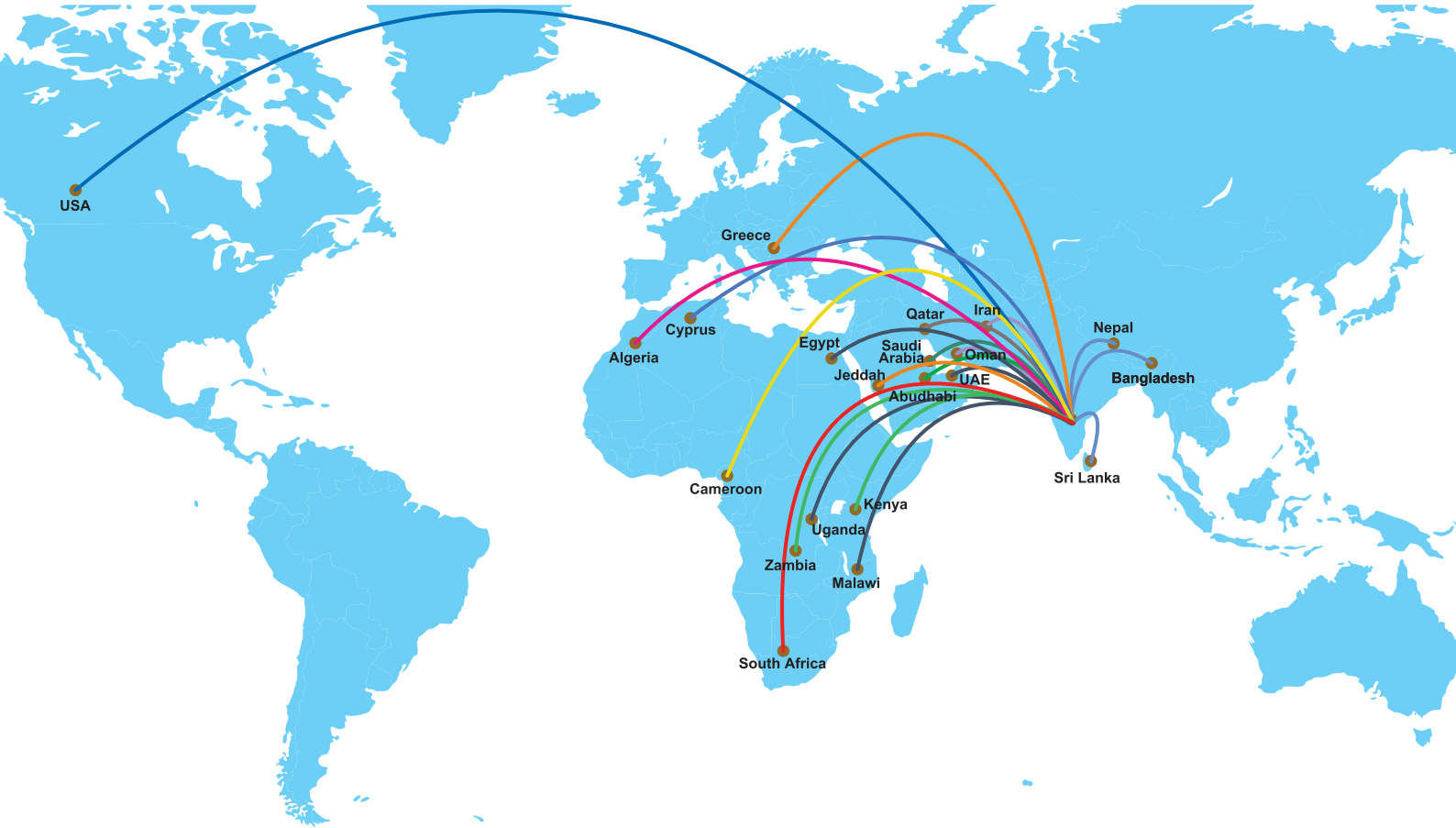
The Iclean Speech unit is specially designed to allow sterile communication with a high degree of vision and safety. There is no thru-air flow, therefore, no transmission of germs, draughts or dust. It is easily fitted into double glazing vision panel or through the double wall panels





Snapshots





Sales office : Hyderabad Chennai Mumbai Vadodara New Delhi Visakhapatnam

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