



Integrated Cleanroom Technologies Pvt. Ltd.



GRP Division

(Formerly MRC IClean Systems Pvt Ltd)

Detail Engineering | Cleanroom system | Installation and Commissioning



www.icleantech.com

About iCLEAN







Integrated Cleanroom Technologies Private Limited (iCLEAN) was established in 2003 primarily to serve the cleanroom requirements of customers, which were until then serviced through imports. As pioneers in this field, the solutions from iCLEAN were readily accepted by the customers. Since then iCLEAN with its unflinching focus on customer requirements evolved into the largest cleanroom partition manufacturers in India.

The state-of-the-art manufacturing facilities equipped with CNC machinery, top class powder coating line and in-situ high pressure foaming with a manufacturing capacities of Partitions 1,00,000 Sqm/Annum, enable iCLEAN to meet the divergent requirements and specifications of the customers. Branch offices operating from Mumbai, Delhi, Chennai, Ahmedabad and Bangalore ensure faster reach to our customers.

Our committed and motivated team of experts with vast experience in the Pharmaceutical and Electronics industry keeps itself updated with the ever changing needs of the industries being served by us. Our products are designed to meet operational flexibility and confirm to stringent quality norms as per cGMP standards.



Our CORE STRENGTHS

	A team with rich pharmaceutical experience		Ability to understand customer requirements		Detailed drawing creation
	Compliance with the regulatory requirements		Knowledge of current cGMP practices		Timely delivery



Introduction of **GRP PANEL SYSTEM**

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

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

ICLEAN – GRP 1200 grid system enables the designer and user to achieve

- Ideal airflow movements
- Allows flexibility in provision of service points
- Provides a modular form of construction
- Layout flexibility reusability
- 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.
- Can be repaired invisibly in site.
- Can be cut and modified at suit to site
- They have self-finish therefore do not rely on a thin layer of laminate or paint.
- They have excellent chemical resistant properties
- They have class 'O' spread of flame certification Bs476 parts 6 and 7.
- They are extremely strong and robust. They do not dent and are scratch resistant unlike metallic systems, which dent and scratch easily.
- The surface of the panel is smooth and has a matte finish.
- Wide range of colors are available.
- This feature can be useful in the event of damage and also if require services to be relocated suite to site



WALL AND CEILING PANEL SYSTEM



Standard main wall panels or low-level extract panels are 958mm wide and are linked together with 234 wide infill / service panels, allowing the 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.

- ▶ Cannot rust or corrode
- ▶ They are extremely strong
- ▶ Can be repaired invisibly on site
- ▶ Have excellent chemical resistance
- ▶ Smooth non-shedding material
- ▶ Do not need any insulation
- ▶ Have a life span of >35 years

GRP DOORS



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.

DOORS OFFERED

- ▶ Swing doors
- ▶ Sliding doors
- ▶ Emergency exit crash panel
- ▶ Emergency escape doors
- ▶ Interlocking System

TRANSFER HATCH



It is essential to minimise 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
- Static and Dynamic pass boxes with electromagnetic PLC controlled interlocking.
- Can be wall or floor mounted
- Toughened glass doors
- Hepa filtration can be incorporated

GARMENTS CUPBOARD



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

- Single side or both side access available
- Static and Dynamic pass boxes with electromagnetic PLC controlled interlocking.
- Customisable sizes and features
- Doors are toughened glass or polycarbonate
- Hepa filtration can be incorporated

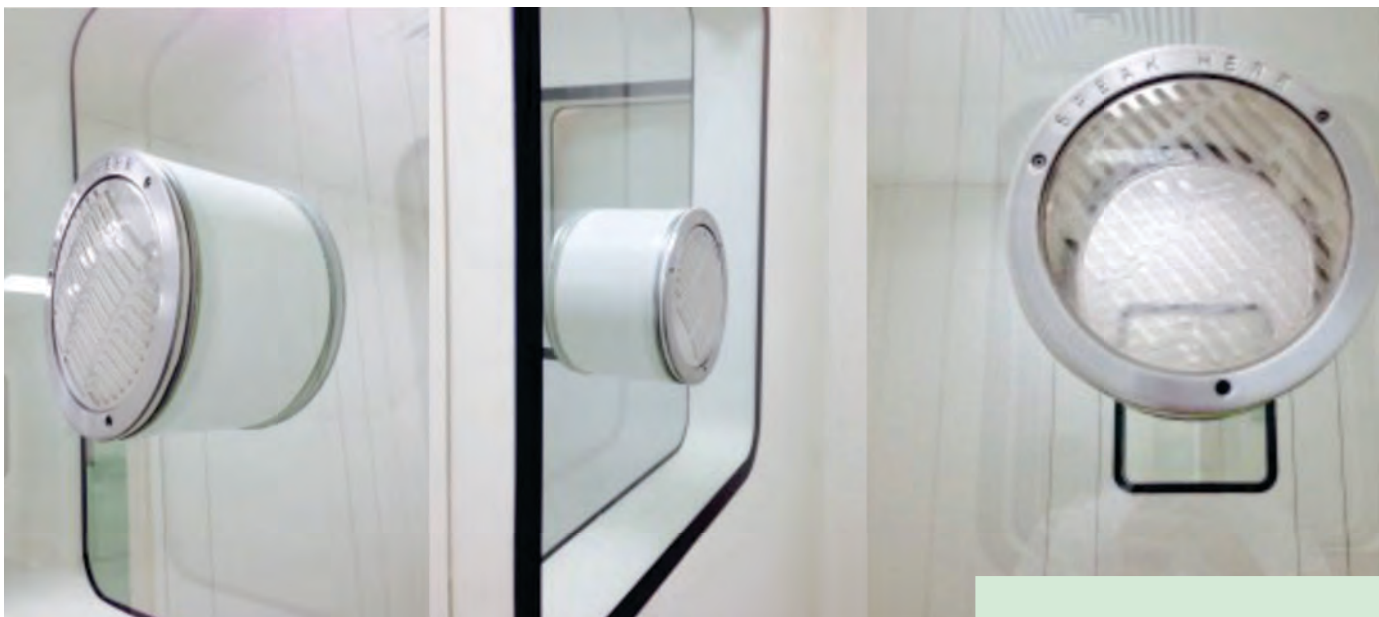
STEP - OVER BENCH (SOB)



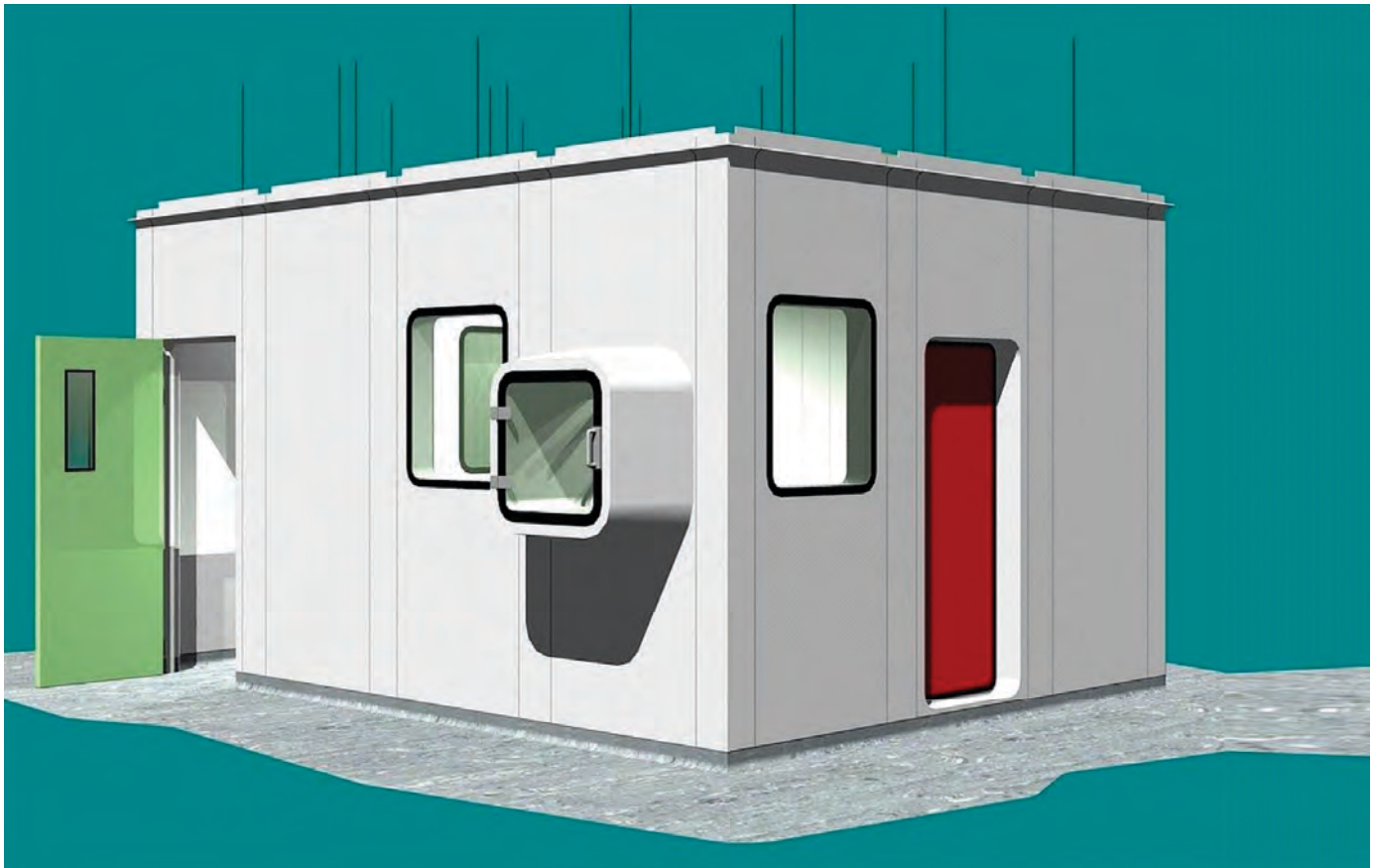
GRP step or cross over bench is high quality, tough and durable.

- ▶ High impact strength
- ▶ Resistant to cleaning agents
- ▶ Removable for equipment access
- ▶ Available with or without shoe storage
- ▶ Integral rebate to accept any floor finish
- ▶ Available in various lengths and configurations

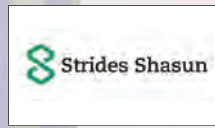
SPEECH UNIT



- ▶ The unit been 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 walls 150mm deep.



OUR CLIENTS



and many more...



Integrated Cleanroom Technologies Pvt. Ltd.

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