

MODULAR PARTITIONS & DOORS



Simplified Cleanroom Solutions

Flexible, Modular and Durable

➔ Wall

➔ Ceiling

➔ Door

➔ Accessories





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

Modular Partitions

We offer complete range of cleanroom solutions that meet the highest technical and quality standards

Cleanrooms are unique in their construction, having virtually every component built in during production to suit all applications and to meet industrial requirements.

Iclean offers a complete range of cleanroom partitions and ceiling systems. These systems meet the technical requirements of stringent specifications for controlled environments in Pharmaceuticals, Biotech, Microelectronics and Food processing units.

The ceiling panels are non-particle shedding, load bearing, walkable panels and feature pre-formed cut outs for the housing of HEPA filters and other dedicated services.



MODULAR PARTITIONS

→ Iclean Wall Panel System



World class Wall Panel System designed to comply with international statutory regulations and global standards

The Iclean Wall Panel System features double skinned, self-supported, modular panels, flush on both sides with peripheral support on aluminum / GI profile framing reticulated grid structure. They are supported on RCC floor by anchoring floor track, with level adjusting fixing coving minimum 50/70mm high to receive flooring. The intermediate vertical, horizontal, corner frames and top frame is connected to ceiling panel along with coving. Necessary openings are provided during panel manufacturing doors, windows, pass boxes, material hatch, return air risers, equipment cut out and electrical switch socket etc.



Leakproof openings that deliver highest safety

The Iclean Wall Panel System openings are leak proof with precision machined framings, robust sealing of joints with food grade silicon sealant etc.

STANDARD PANEL SIZE

1200 x 3000mm (Max. upto 6000 mm height)

MATERIAL OF CONSTRUCTION (MOC)

GI Powder Coated / Pre-coated/ PVC laminated / SS304 / SS316

SHEET THICKNESS

0.6/0.8/1.0mm

PANEL THICKNESS

50/80/100/150mm

INFILL MATERIAL

PUF (40Kg/m³) / Rockwool (96 Kg/m³) (Other in-fill options available on request)

INBUILT

Inbuilt / Projected raisers are subject to client requirement

CUTOUTS

Factory made / site made as per the designs

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



→ Iclean Ceiling Panel system

High quality Ceiling Panel System with robust supports and leak proof joints

Iclean Ceiling Panels are double skinned, insulated, walkable type, load bearing modular panels. The panels are flush on both sides and supported on heavy duty aluminium reticulated grid structure. They are hung from steel truss/RCC roof through adjustable threaded rod, turn buckles, slide fits etc. Necessary openings for filter housing, electrical fittings, supply-return air ducts, service pipes, power- control cables are provided as required. Openings are made leak proof with necessary framings. All the joints are sealed with food grade silicon sealant.



STANDARD PANEL SIZE

1200 x 3000mm (Max. upto 6000 mm length)

MATERIAL OF CONSTRUCTION (MOC)

GI Powder Coated / Pre-coated/ PVC laminated / SS 304 / SS316

SHEET THICKNESS

0.6/0.8/1.0mm

PANEL THICKNESS

50/80 mm

INFILL MATERIAL

PUF (40Kg/m³) / Rockwool (96 Kg/m³) (Other in-fill options available on request)

CUTOUTS

Factory made / Site made as per design

We can customize the specification to suit your specific requirement.

High surface finish for easy and repeated cleaning

Iclean Ceiling Panels are manufactured in high quality surface finishes that are impervious, smooth and non-shedding. They are engineered to withstand repeated application of cleaning with regular sanitizing agents.

Our standard height of walkable ceiling from floor level is 2.7 mtrs & 3.0 mtrs. However, this can be customized as required.



➔ Modular Cleanroom Doors

High quality, ultradurable modular Single leaf / Double leaf doors designed for strength and elegance

Our Modular Scientific doors are manufactured using 0.8mm thick GI sheets for shutters and 1.2 mm thick GI sheets for frames and powder coated as per standard doors for cleanrooms. Stainless steel doors also available as an option. The infill in shutters is either Honeycomb/ PUF/Rockwool. The Doors shall be provided with necessary stiffeners. The panel sides are reinforced with peripheral framing for enhancing the rigidity of the panel joint.

Fire rated doors are also available as per specific requirements.



STANDARD DOOR SIZE

900/1000/1200/1500/1800/2000mm width, 2100/2200mm height

MATERIAL OF CONSTRUCTION (MOC)

GI Powder Coated / SS304 / SS316

SHUTTER SHEET THICKNESS

0.8/1.0/1.2 mm

CUTOUTS

50/80/100/150 mm

FRAME SHEET THICKNESS

1.2/1.4/1.6mm

INFILL MATERIAL

Honeycomb / PUF (40Kg/m³) / Rockwool (96 Kg/m³) (Other in-fill options available on request)

STANDARD VIEW PANEL SIZE

350x750 / 450x750, other sizes as per client requirement

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

Doors with multiple Provisions

The doors have the provision for double glazed view panel, gasket provision, hardware like lock and key, push plates, D-Handle, F-handle, concealed tower bolt for double door etc.



Covings

All panel joints between wall to wall and wall to ceiling are covered with powder coated / anodized aluminum coving with selected radius in range of 50-70 mm.

The coving comes along with 3D and 2D corners both concave and convex sections for connecting between the corners.

Joint between coving and panel surface shall be silicon sealed with appropriate sealant.

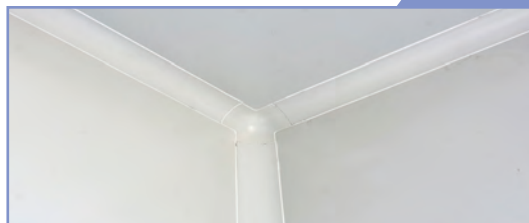
View Panels

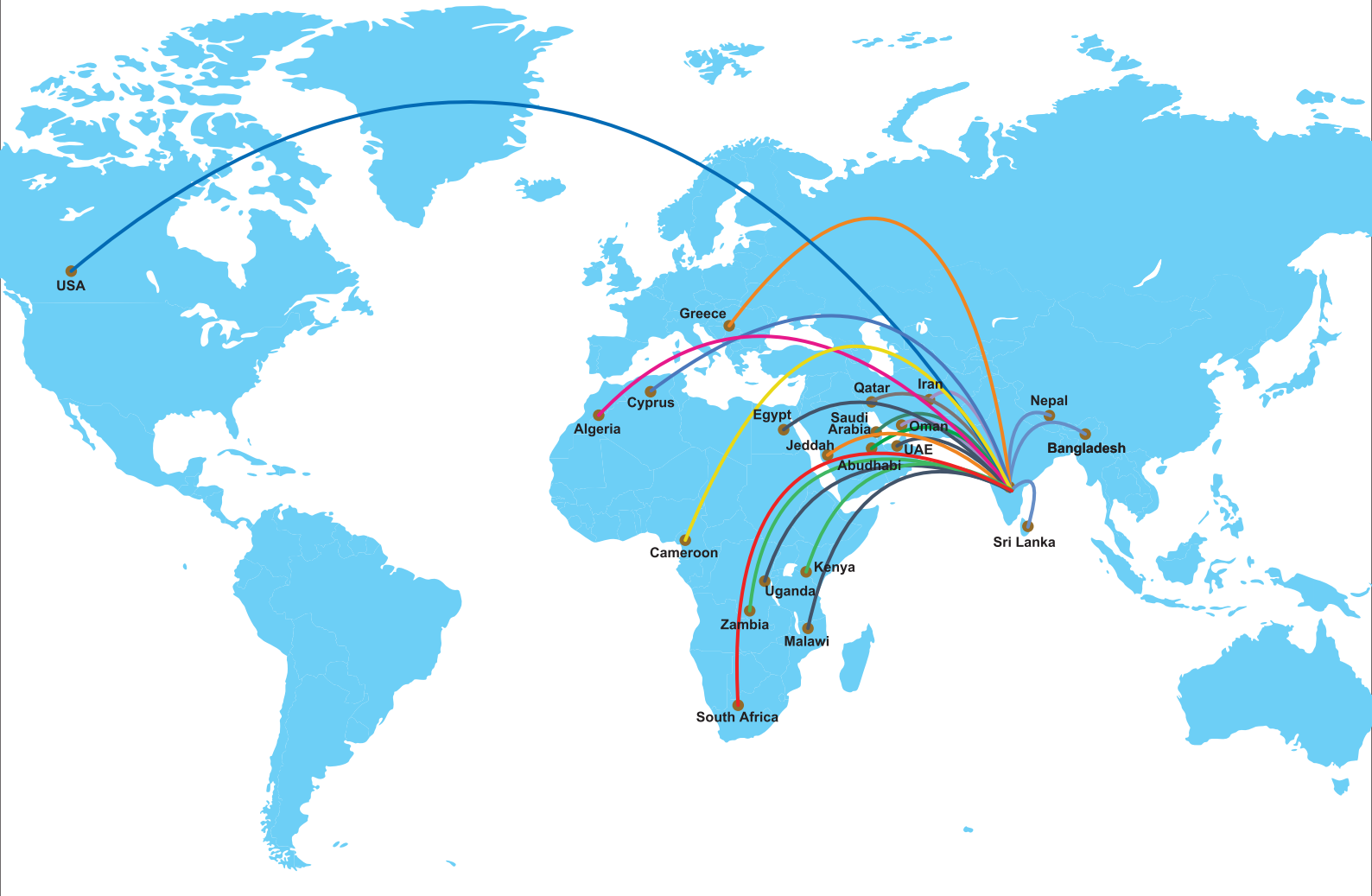
All windows/view panels with extruded aluminum frame are double-glazed and designed to fit flush into the wall panel system. Ceramic bordered glass with 6 mm thickness is provided on both sides. The plain glass shall be toughened or float. The gap between the glasses shall have an anti-moisture (double Glazed View Panel shall be inert gas filled) system with all around micro-perforation profile with silica gel granules.

Glazing is perfectly flush with the outer surface of the frame and panels. All joints are sealed with food grade silicon sealant. The glass assembly can be fitted at the factory or at the site. The windows come in various sizes or customized as required.

ACCESSORIES.

Engineered with precision





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