

LCB
SERVICES
THE CLEAN ROOM PEOPLE!

Product Catalogue

Since 1997
Vadodara, India

Turnkey cleanroom & laboratory solutions

Design · Manufacture · Installation · Validation

A unit of Lab Services & Solutions Pvt. Ltd.



ABOUT US

Trusted partners for clean and contamination-controlled environments

Lab Services was founded in 1997 with one goal: to improve the quality of filtered air in the manufacturing and R&D areas of pharmaceutical, biotechnology and electronics companies. Since then we have delivered our know-how, products and services to many of India's most respected companies and research institutes.

Our in-house team of experts, engineers and technicians handles design, manufacturing, installation, commissioning, validation and documentation of cleanrooms, sterile rooms, laminar air flow units, dispensing and sampling booths, biological safety cabinets and laboratory furniture. Our products are built to ISO 14644-1 to 9 (Cleanrooms and associated controlled environments) and current GMP requirements.

1997
Established

27+
Years of experience

350+
Clients served

In-house
Design to documentation

Our vision

To be the most trusted partner for clean and contamination-controlled environments, in India and around the world.

Our mission

To deliver cleanrooms and laboratories that pass audits first time, through sound engineering, quality manufacturing, on-time installation and dependable service.

Our values

Quality first · Compliance by design · Integrity · Customer focus · Safety

WHAT WE DO

One partner for your entire controlled environment

From the first layout drawing to the final validation report, one team takes responsibility for the result.

Consult & design · Manufacture · Install · Validate · Maintain (AMC)



Cleanroom envelope p. 4–7

Panels, ceilings, doors, windows, coving



Clean-air equipment p. 8–9

Pass boxes, air showers, LAF, BSC



HVAC & air handling p. 10

AHUs, ducting, electrical panels



Laboratory furniture p. 11–12

Benches, storage, fume hoods



Scrubbers & FRP ducting p. 13

Fume extraction systems



Validation & AMC p. 14

Testing, calibration, maintenance



01 · CLEANROOM ENVELOPE

Modular partition panels

Sandwich panels that form clean, flush, easy-to-clean walls for pharmaceutical, medical, laboratory, microelectronics and food facilities. We plan the enclosure together with your HVAC, electrical and civil teams at the design stage.

Key features

- Flush, monolithic GMP finish with no dust traps
- Built-in provision for PVC conduits and electrical cables
- Fast, dry installation that is easy to relocate later
- Standard RAL shades; stainless steel for demanding areas
- Progressive or non-progressive assembly

Specifications

Thickness	35, 40, 50, 60, 80 or 100 mm
Panel size	Up to 1200 mm wide × 6500 mm long
Skin	PPGI, PCGI, SS 304 or aluminium, 0.5–0.8 mm
Infill	PUF, rock wool or honeycomb
Periphery	GI or aluminium
Joints	Aluminium extrusions
Risers	80 / 100 mm, built in
PUF core	Compressive 2.1, tensile 4.0, bending 4.2, adhesion 3.0 kg/cm²; 90–95% closed cells; −18 °C to +140 °C









02 · CLEANROOM ENVELOPE

Walk-on ceiling systems

A flush ceiling is vital to cleanroom integrity: it prevents contamination and microbial or fungal growth. Our walk-on ceiling lets maintenance teams reach services from above, so you need fewer catwalks, less steel and less installation time.

Key features

- Walkable for maintenance access above the cleanroom
- Flush grid that prevents particle and microbial build-up
- Supported on the partitions, or suspended independently for faster future layout changes
- Integrates HEPA terminals, light fixtures and return-air points
- Static-dissipative or standard finish

Specifications

Construction	Composite panel, steel or aluminium skin on both sides
Thickness	50, 60 or 80 mm
Module width	1200 mm
Core	Aluminium honeycomb, PUF or rock wool
Load	27 kg/m² distributed plus 150 kg point load (subject to specification)
Support	On partitions, lattice truss or hanging system from the structure







03 · CLEANROOM ENVELOPE

Cleanroom doors

Air-tight doors built for the most demanding cleanroom applications and checked after every manufacturing step. Double-rebated frames and EPDM seals hold room pressure; flush double-glazed vision panels keep surfaces clean.

Key features

- Single, double, emergency and fire-rated doors
- Sliding and hermetic sliding doors
- GI powder-coated or stainless steel
- Interlocks, door closers and drop seals
- Custom sizes on request

Specifications

Door leaf	0.8 / 1.0 / 1.2 mm pre-galvanised steel, zinc 80–120 g/m²
Frame	1.2 / 1.6 mm, mitred and welded corners; welded, bolted or knock-down
Thickness	50, 80 or 100 mm
Infill	PUF, rock wool, honeycomb or EPS
Vision panel	Flush double-glazed
Single doors	750, 900, 1000, 1200 × 2100 mm
Double doors	1200, 1500, 1800, 2000 × 2100 mm
Hardware	Dead lock, hinges, D-handle, closer, drop seal, cylinder lock









04 · CLEANROOM ENVELOPE

View panels, coving & risers

The details that make a cleanroom easy to clean, easy to inspect and air-tight.

Flush view & emergency crush panels

Single or double-glazed, 5 mm float glass in an aluminium frame, sealed with silicone or acrylic. A silica-gel breather stops fogging. Fits walls 150–400 mm thick. Anodised (8 colours) or powder-coated (50+ colours) finish.

Aluminium coving & connection profiles

Extruded alloy 6060 profiles (R50, R70, M180) remove every 90° corner between walls, ceilings and floors. Die-cast 2D/3D corner caps, base coving and BUMPER 120 (aluminium) / BUMPER 200 (PVC) wall protection against trolleys.

Supply & return air risers

Risers built into the partition system in a range of sizes, for a clean, flush look and well-balanced airflow.





05 · CLEAN-AIR EQUIPMENT

Pass boxes & air showers

Move materials and people into classified areas without carrying contamination with them. All units are made in stainless steel and built to the size your layout needs.

Key features

- Static pass boxes with UV lamp and digital timer
- Dynamic pass boxes with HEPA-filtered airflow
- Mechanical or electromagnetic door interlocks
- Personnel and cargo air showers with interlocked doors
- Wall-mounted or floor-standing; custom sizes

Typical specifications

Material	SS 304 (SS 316 on request)
Static pass box	UV lamp with LCD digital timer; e.g. 650 × 530 × 850 mm
Dynamic pass box	Blower + HEPA filter, pressure gauge; e.g. 610 × 610 × 610 mm
Noise	60–70 dB (dynamic)
Use	Transfers between areas of different classification in pharma, hospitals and labs









06 · CLEAN-AIR EQUIPMENT

Laminar air flow, dispensing booths & biosafety cabinets

HEPA-filtered work zones that protect your product, your operators, or both.

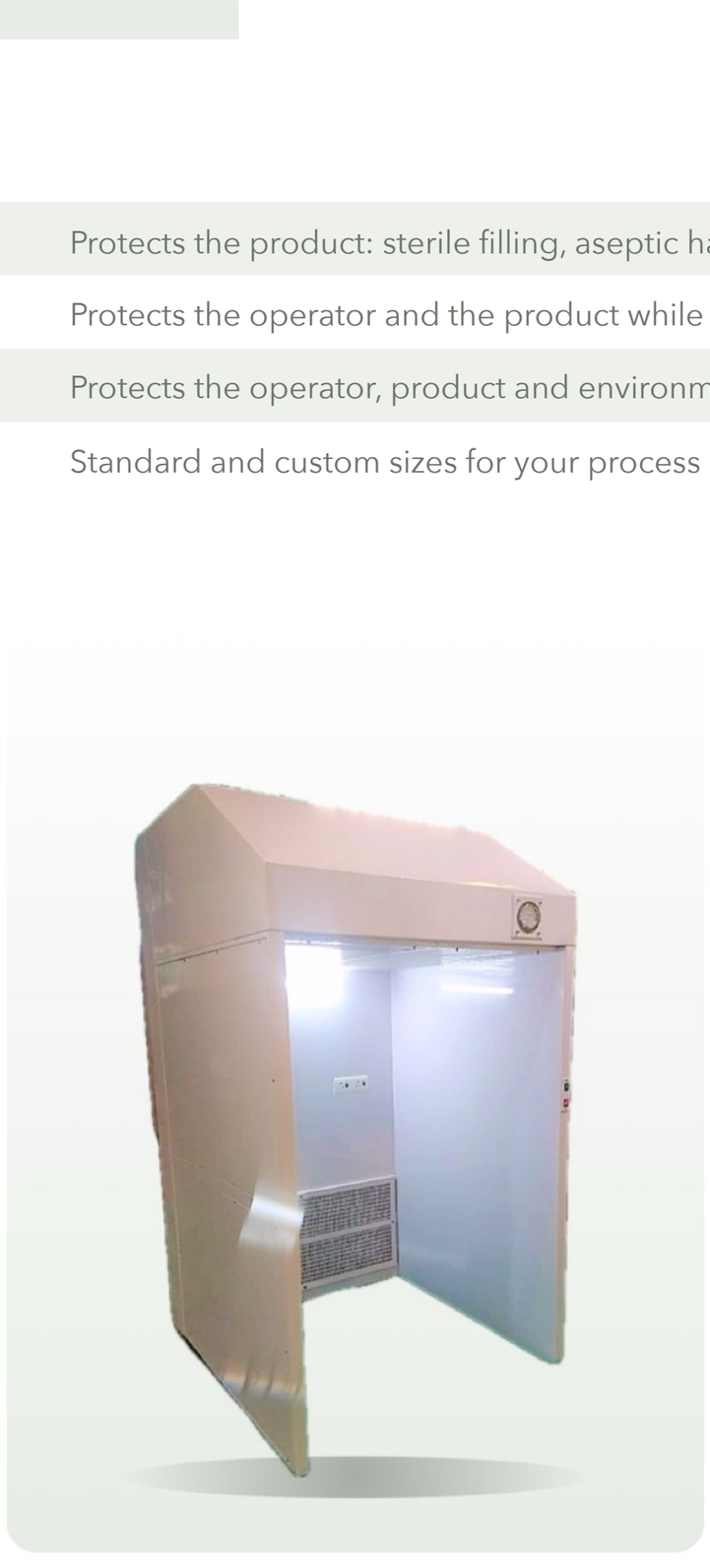
Key features

- Vertical and horizontal laminar air flow units
- Reverse LAF / dispensing and sampling booths for weighing powders
- Class II biological safety cabinets for microbiology
- SS 304 or powder-coated construction
- Touch-screen controller and filter pressure gauge

Choose the right unit

Laminar air flow	Protects the product: sterile filling, aseptic handling, media preparation
Dispensing / sampling booth	Protects the operator and the product while weighing or sampling raw materials
Biosafety cabinet	Protects the operator, product and environment when handling microorganisms
Sizes	Standard and custom sizes for your process









07 · HVAC & AIR HANDLING

Air handling units & ducting

The HVAC system is the heart of a cleanroom. We design and install air handling and distribution to hold your room class, air changes, pressure cascade, temperature and humidity.

Key features

- Double-skin AHUs, including SS 304 casings for critical areas
- Insulated GI ducting with dampers and supports
- HEPA terminal modules and return risers
- Centralised electrical and control panels
- Coordination with civil, electrical and process teams

What we design for

Cleanliness	ISO class / GMP grade of each room
Air changes	Per room, to meet the class and recovery targets
Pressure cascade	Room-to-room differentials that keep contamination out
Conditions	Temperature and relative humidity to your process needs









Modular laboratory furniture

Complete, ergonomic laboratories for QC, R&D, academic and hospital labs: planned, manufactured and installed by one team, ready for your instruments on day one.

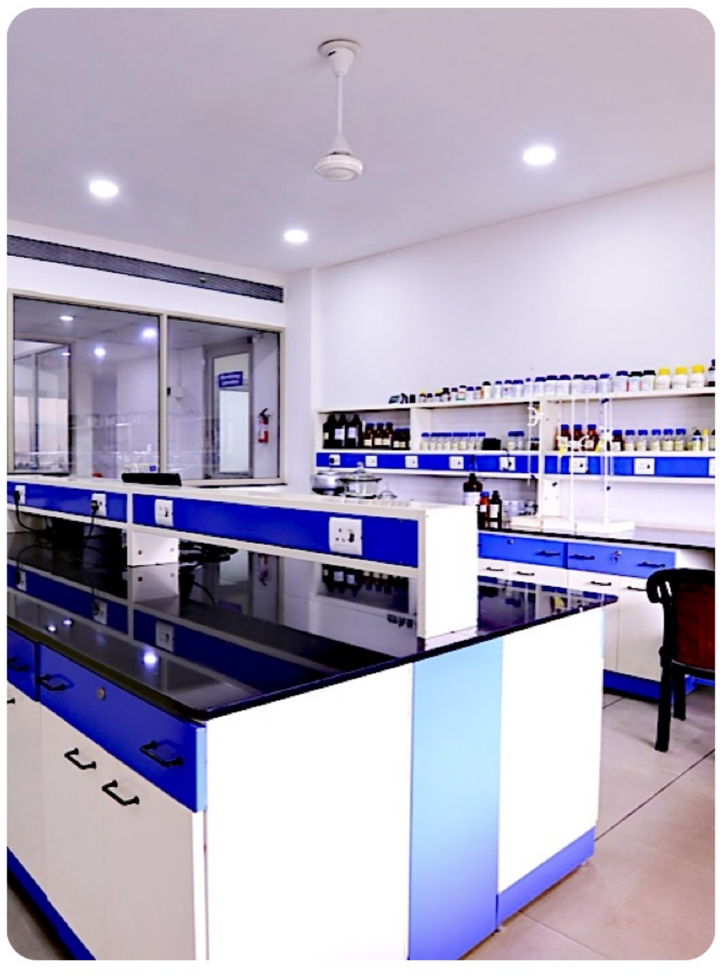
Key features

- Wall benches and island benches with reagent racks
- Sink units, two-level benches and service panels
- Chemical-resistant worktops
- Glass-door chemical storage and filing cabinets
- Fume hoods for safe handling of hazardous chemicals

Configurations

Wall bench	Along the walls, with service panel and storage below
Island bench	Central work area with reagent rack and services
Sink unit	Wet work, with taps, eye-wash and drainage
Storage	Chemical, glassware and document cabinets
Fume hood	Ducted extraction with services and safety storage below









Stainless-steel furniture & lab safety

Cleanroom-grade furniture and safety equipment that completes your facility.

Key features

- SS garment cabinets, wall-mounted or free-standing
- SS work tables, cross-over benches and racks
- SS pedal bins and accessories
- Flame-proof storage cabinets for solvents
- Emergency showers and eye-wash stations

Why stainless steel

Hygiene	Smooth, non-porous surfaces that are easy to clean and sanitise
Durability	Resists corrosion and cleaning chemicals
Compliance	Suited to classified areas in pharma and healthcare









Fume scrubbers & FRP ducting

Safe extraction and treatment of corrosive fumes from laboratories and process areas, supplied and installed by our own site teams.

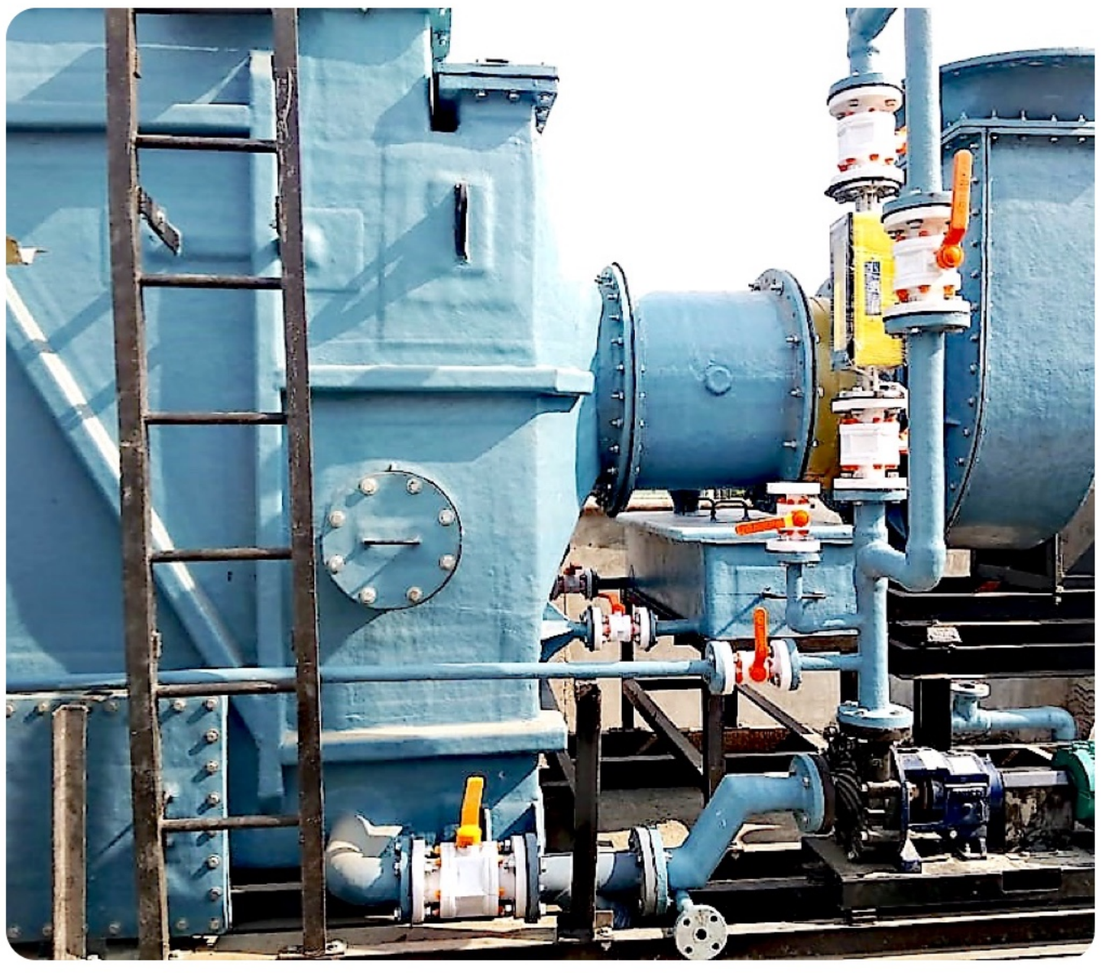
Key features

- Horizontal fume scrubbers with pumps and piping
- FRP and PP ducting with bends, tees and reducers
- Exhaust connections from fume hoods and process equipment
- Complete supply, installation and commissioning

Typical applications

Laboratories	Fume hood exhaust from QC and R&D labs
Process areas	Acid, alkali and solvent fumes
Utilities	Corrosion-resistant exhaust lines





Validation, calibration & AMC

Accuracy at your doorstep. Our engineers test on your floor, so your equipment never leaves the site, and you get clear reports for your audit file.



HEPA filter integrity

Leak testing of installed filters with aerosol challenge

Particle count

Room classification to ISO 14644-1

Air velocity & air changes

Airflow and ACH for every room and unit

Pressure differential

Room-to-room air cascade verification

On-site calibration

Calibration of cleanroom and lab equipment

Audit-ready reports

Clear test reports for your QA and auditors

Annual maintenance contracts (AMC)

- Planned preventive maintenance of cleanrooms, AHUs, LAF units, pass boxes and BSCs
- Pre-filter and HEPA filter replacement
- Periodic revalidation before audits
- Fast breakdown support from our Vadodara base

Plan your next audit with us

Ask for an AMC plan for your facility: +91 98250 72978 · sales@labservicesindia.com



APPLICATIONS

Industries we serve

Pharmaceutical

Oral solids, injectables, sterile areas

API & chemicals

Bulk drug and fine chemical plants

Biotech & biochemical

Fermentation, vaccines, cell culture

Medical facilities

Operating theatres, IVF, ICUs

Research & labs

R&D centres, universities, QC labs

Food & beverages

Hygienic processing and packing

Healthcare

Hospital pharmacies, diagnostics

Semiconductor & electronics

Particle-controlled assembly

Aerospace & energy

Precision and nuclear facilities

OUR CLIENTS

Trusted by industry leaders

More than 350 pharmaceutical, chemical, food and research organisations rely on Lab Services for their controlled environments. A selection:

CADILA PHARMACEUTICALS LIMITED
RANBAXY
farmson Pharmaceutical Gujarat Pvt. Ltd.
Reliance Industries Limited
SUN PHARMA
APOLLO TYRES LTD
TATA
TATA CHEMICALS LIMITED
Amul
aglowmed
heubach
Nestlé
REGIONAL RESEARCH LABORATORY
BAROQUE PHARMACEUTICALS PVT. LTD.
INSTITUTE OF HIMALAYAN BIORESOURCES TECHNOLOGY
SPC Lifesciences
asence PHARMACEUTICALS
HP
GAIL
SARDAR PATEL UNIVERSITY
Acme Formulation
SGL STEELCON GUJARAT LIMITED
We do Great Things together
Baxter
MSPL Cipla
GOLDEN CROSS PHARMA Cipla
KRIBHCO Cooperative and beyond...
राष्ट्रीय डेरी विकास बोर्ड NATIONAL DAIRY DEVELOPMENT BOARD
Tejvani Advanced Lab Systems
icmr NIOH
GSFC UNIVERSITY
AGRILAND
CHAMBAL FERTILISERS AND CHEMICALS LIMITED
ADROIT
ADROIT PHARMACHEM PVT. LTD.
RPG LIFE SCIENCES LIMITED
INSTITUTE OF MICROBIAL TECHNOLOGY
ESSAR STEEL
Lindström

LAB

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Let’s build your next cleanroom

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