



Palm Engineering®

Once Palm, Always Palm



Laboratory Furniture & Exhaust System

ABOUT US

Palm Engineering is a one of the growing company. We are manufacturer and supplier lab Furniture all over India. We have a Large experience in this field also have an expert team for developing products, capability to solve problems also we fulfil client's requirement on erection work projects.



We furnish smart solution for lab projects like Lab Fume Hood, Lab Fume Exhaust System, Lab Furniture Turnkey Solution and Spot Extractor. We committed the large range of service from design to engineering, through the final installation and erection work.

**The delight of our customers depends on the quality of our products.”
Thus, at palm quality is not just an act but a habit that is practiced every day.
Once Palm, Always Palm!**

APPLICATION

This Furniture can be used in various kinds of industries like Pharmaceutical Industries, Chemical Industries, Medical Research, Automobile Industries Food / Dairy, School & Collages Environmental Testing Laboratories etc.

As per the International laboratory standard, these tables should be designed in two working height (i) Standing working Height - 900mm / 3 Ft. (ii) Sitting working height—750mm / 2.5 Ft.



Technical Specifications:

Material of Construction

- (A) Galvanized Iron Sheet (G.I.) Construction
- (C) Polypropylene (PP) Construction

- (B) Stainless Steel (SS) Construction

Table Top

- (A) Natural Black Granite
- (c) Phenolic Resin

- (B) Stainless Steel
- (D) Ceramic

FRAME DESIGN

Palm Engineering design a rigid frame construction that assures solid installation to achieve high steadiness and can withstand 200- 250 Kg loads on the worktop.

Frame should be Epoxy powder coated with our standard color combination also have customize option with 60-80 micron thk.

C' Type Frame Design

Our 'C' Frame structure size is 60mmx30mm & 75mmx25mm and shape rectangular M.S. pipe with 16 S.W.G. Wall thk.

Pedestal Type Frame Design

Our Pedestal Frame structure size is 30mmx30mm and shape Square M.S. pipe with 16 S.W.G. Wall thk.

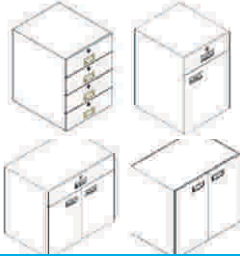
Plinth / Base Type Frame Design

Our Base Frame structure made up of Galvanized Iron Sheet (G.I.) of 20 S.W.G. thk.



- Our Standard sizes is base on (Length i.e. mm) of modules are: 400/450/500/600/750/900.
- Our modules of standard depth is 500mm.
- We are using Hattich make Drawer Slider, Door Hinges and Lock in storage cabinet
- Our Under storage cabinet is made of 20 S.W.G. Galvanized Iron (G.I.) / CRCA Sheet (Make:- Tata, Essar, Jindal).
- Adjustable shelf is 75mm upper & down side height have adjustment.
- We offer following combinations like.
 - 1.Shutter with drawer and adjustable shelf.
 - 2.Full Shutter and adjustable shelf.
 - 3.Three / Four Drawers.

Under Storage Cabinet / Modules Std. Heights Per Frame Design & Table Height



'C' Frame of Table		Pedestal Frame of Table		Base Frame of Table	
900mm (3 Ft.)	750mm (2 Ft.)	900mm (3 Ft.)	750mm (2 Ft.)	900mm (3 Ft.)	750mm (2 Ft.)
650mm	500mm	700mm	550mm	750mm	600mm

Application:

- In the laboratories, Anti-vibration table is to take high accurate measurement of electronic scale.
- The Anti-Vibration table will help from vibration & shocks free working are for sensitive weighing scale in the laboratories.

Technical Specifications:

Material of Construction

Frame — 75mmx25mm, 16 S.W.G. Rec. MS Pipe

Covers - Galvanized Iron (G.I.) 20 S.W.G. Sheet

Work Top — Natural Granite

Rubber pads are used on the top & bottom frame of Anti-Vibration table.



STORAGE CABINET

Overhead storage cabinet can be use to store document, file or any item which are using in the laboratory.

Technical Specifications:

- Galvanized Iron (G.I.)— 20 S.W.G. Sheet
- Stainless Steel (SS) - 20 S.W.G. Sheet
- Hattich make Door Hinges and Lock.
- Adjustable shelf with 75mm upper & down side height adjustment.
- Our Standard sizes (Length in mm size) of modules are: 600/750/900.
- Standard depth of our cabinets is 400mm.



FILE / APPARATUS STORAGE CABINET

Application:

File / Apparatus storage cabinet can be use to store document, files or any item which are using in the laboratory.

Technical Specifications:

- Galvanized Iron (G.I.)— 20 S.W.G. Sheet
- Stainless Steel (SS) - 20 S.W.G. Sheet
- Hattich make Door Hinges and Lock.
- Adjustable shelf with 75mm upper & down side is adjustment.
- Our Standard sizes (Length & Height in mm size) of modules are: Length— 900 / 1000 & Height— 1 200 / 1800 / 2100 or as per customer's requirement.
- Standard depth of our cabinets is 450mm.
- Cabinets are available in 2/4 door with 5mm toughen glass and without glass.



CHEMICAL STORAGE CABINET

Application:

- Toxic solvents & Chemicals are store in chemical storage cabinets.
- We offer holes at side bottom of cabinet and that is for ventilation and fume exhaust connection on the top is for safety of user in the lab.

Technical Specifications:

Material of Construction

- Galvanized Iron Sheet (G.I.) outer construction with 3mm Chemical resistance Phenolic resin sheet inner lining. Polypropylene (PP) Construction.

Accessories & Others

- Inner lining with chemical resistance phenolic resin 3mm sheet.
- Adjustable Polypropylene (PP) shelf with 75mm upper & down side height adjustment.
- Our Standard sizes (Length & Height in mm size) of modules are: Length— 900 / 1000 & Height— 1200 / 1800 or as per customer's requirement.
- Standard depth of our cabinets is 450mm.
- Cabinets are available in 2 / 4 door with 5mm toughen glass.



Lab Faucet



PP Sink



Lab Pegboard



Gas Valve



Eye Shower



Safty Shower

FUME HOOD

Palm Engineering. Laboratory fume hoods provide a physical barrier to chemicals and their reactions by exhausting outside air. Also lab fume hoods are created to protect user from chemical vapors, dusts and mist.

Application:

Fume hoods are mainly used for the R & D process where the hazardous fumes will be generated during the chemical reactions and it will be harmful for the laboratory Chemist/Scientist.

Fume Hoods are useful for the industries like Pharmaceutical, Chemical, Clinic research centre. It is also used in Education industry.

Technical Specifications

Our Fume Hoods are aerodynamic design to get stable face velocity for suction of high, Medium and low density fumes generate in Fume Hood.

Material of Construction

- CRCA / Galvanized Iron Sheet (G.I.)
- Stainless Steel (SS)
- Polypropylene (PP)

Accessories & Others

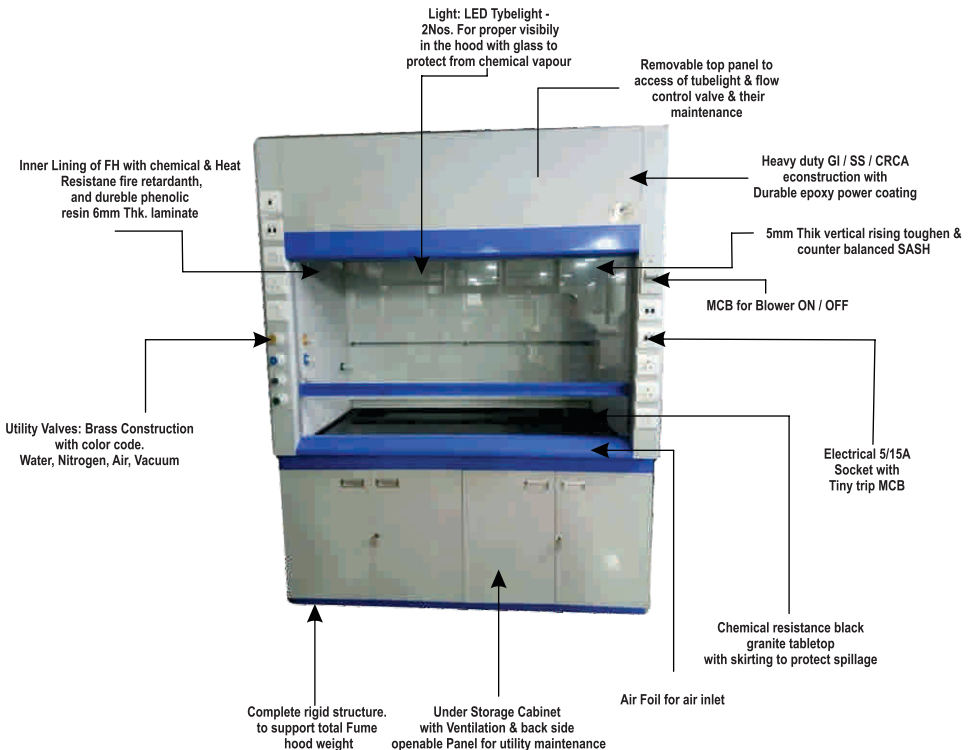
Fume Hood Inner lining with chemical resistance phenolic resin 6mm sheet / SS 304 Sheet / PP Sheet.

- Sash of 5mm toughens glass with counter balance to achieve easy sliding movement

Work surface - Natural Granite / Ceramic / P.P/SS

SS. Utility Valve — Water, Gas, Nitrogen Vacuum

LED Tube Light for Fume Hood



SPOT EXTRACTOR WITH PP FRP EXHAUST SYSTEM

Palm Engineering offer the best solution of fume spot extraction in laboratory. Our expertise can create a healthy and chemical smell free zone in the lab. We have large experience in installation and design of fume extraction system.

Application:

Fume Spot extractor arm is mainly used in chemical area, where work is not possible in fume cabinet and that produce disturbing fumes, aerosols and bad smells.

Fume spot extraction is used in different industrial applications like — R & D Labs, Pharmaceutical labs, Chemical Labs, Production area where fumes and dust are created.

Technical Specifications

Material of Construction

Polypropylene (PP) Aluminium (AL)



Ceiling Mounted Spot Extractor



Wall Mounted Spot Extractor



PP FRP EXHAUST BLOWERS AND SCRUBBER

The difference of Exhaust Blowers to exhaust hazardous fumes, dust & vapour helps to come through Spot Extractor System, Fume Hoods and Ventilation System.

We also offer a Scrubber System to prevent environment from hazardous chemical and fumes which are exhausted from labs to the atmosphere.

Application:

- The Fume hoods or Spot extractor are connected with Blowers arm with chemical resistance piping.
- Scrubbers are generally used to neutralize hazardous chemical fume generated in the lab during process.
- Where as in Pharma and chemical industries produce very harmful gases which affects our atmosphere. By connecting the scrubber system with the exhaust blower that neutralize the harmful gases and fume to save our environment.



BLOWER

Technical Specifications



SCRUBBER

- Polypropylene (PP) — Corrosion Resistance
 - Galvanised steel
 - Stainless Steel (SS)
- Types of Blower
- Centrifugal blower
 - In-Line Centrifugal Blower

- Polypropylene (PP) — Corrosion Resistance
- Types of Scrubber
- Wet Scrubber
 - Dry Scrubber

SERVICES

In the industry, it is necessary to complete the installation and erection work of the product without any hesitation and trouble.

Our Technical team will help and guide the customer for proper utilization of their Lab space along with their requirements for the lab.

Also we have more than 7 years of experience in the Pharma industry.

AMC

We are committed to support our customers throughout the product life cycle. We offers annual maintenance contract after the expiry of the warranty period of the furniture and equipment. Main Aim of the Annual maintenance is to maintain equipment in the original manufacturing standard.



SS FURNITURE



APRON CUPBOARD



S.S. TROLLEY



APRON CABINET



SOP STAND



PASS BOX



TROLLEY (MULTIPURPOSE)



CANTEEN TABLE WITH STOOL



PALLET TRUCK



CYLINDER TROLLEY



STOOL



SS RACK



TROLLEY (MULTIPURPOSE)

VALUABLE CUSTOMER



Palm Engineering®

Once Palm, Always Palm



SF-4,5,6, Agrawal Mall, Nr.Sola Police Station,
Opp.Sola Bhagwat, S.G. Highway, Sola,
Ahmedabad, Gujarat-380060.



+91 95103 99000
+91 95104 99000
+91 94279 61062



info@palmengineering.in
palm.engg@gmail.com
maharshi@palmengineering.in

Ahmedabad | Baroda | Ankleshwar | Dahej | Surat | Vapi | Indore | Mumbai | Goa

www.palmengineering.in