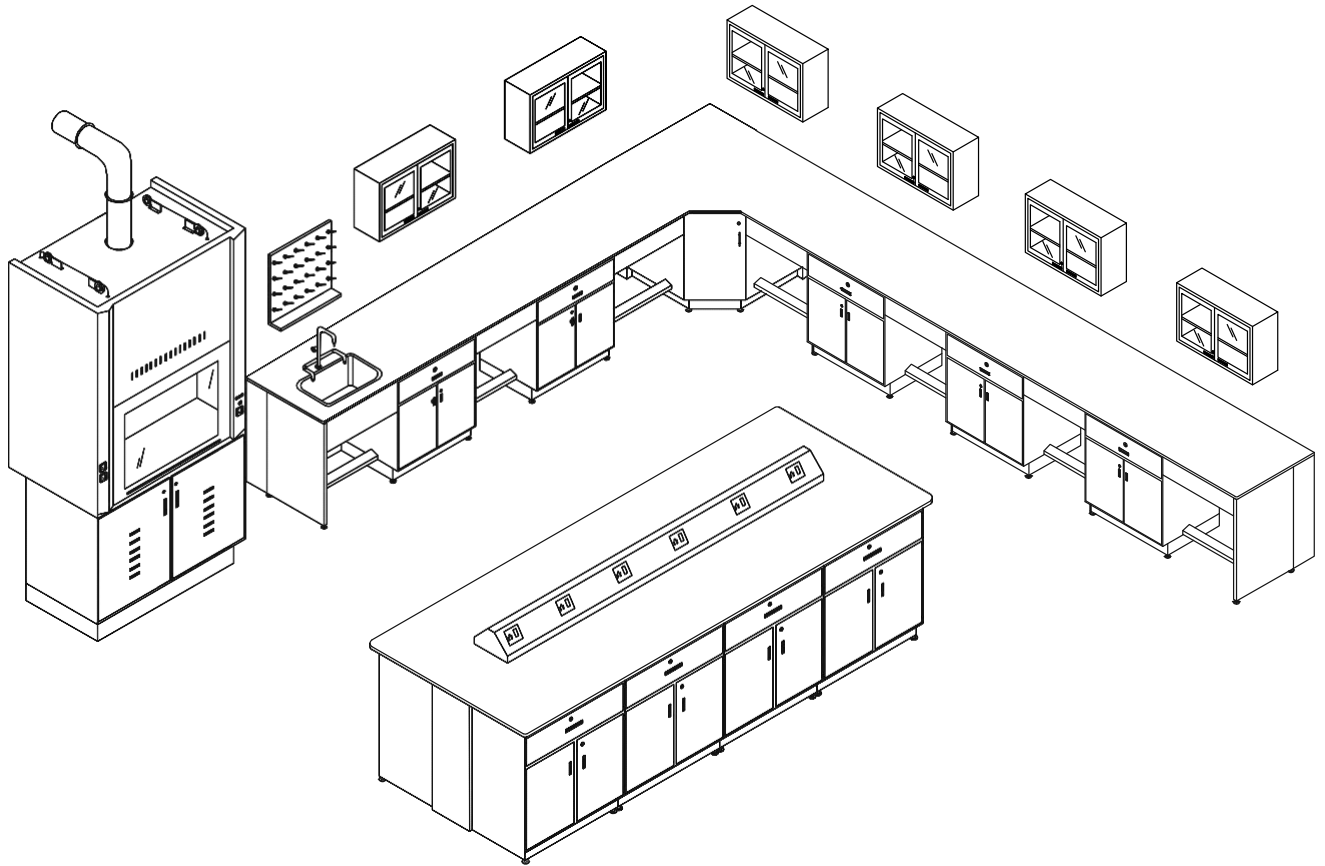


We *design,*  
*manufacture,*  
and *install*  
lab furniture.

---

Lab Furniture | Fume Hood | Laminar Airflow | Storage Cupboard

We are there **when you need us!**



**LAB FURNITURE**  
**CATALOGUE**

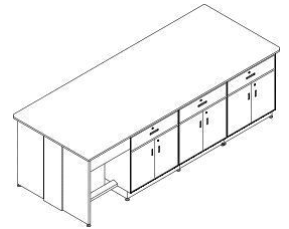
# Your Key Benefits with Skybound labs

- **We design your vision:** Customer focused interactive design process.
- **Professionals at your doorstep:** Real time design with site inspection.
- **Design before you Decide:** Free of cost lab 3D and 2D design before quotation with Instruments and Partitions

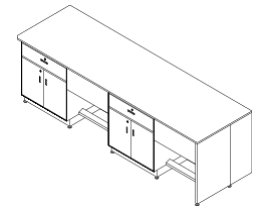
**Lab Instruments/Lab Furniture/Lab Partition:** Same Design and Color Combination of Lab Instruments/Lab Furniture/Lab Partition, to give a magnificence look to your lab

- **No fear of fire:** All our products are fire resistant.
- **Precise:** manufacturing, color options, completion.
- **Ease of contact:** Immediate response times, we deliver just what you need.

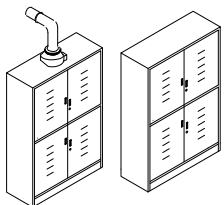
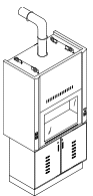
**We care for your lab furniture through its life, We give the best after sales service**



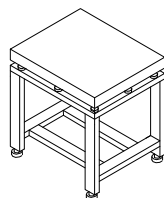
Island or Center Lab Table



Wall Side Lab Table



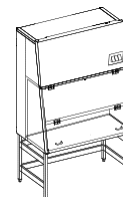
Storage Cupboards



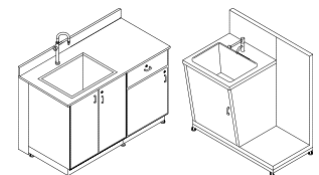
Anti-Vibration Table



Laminar Airflow



Bio-Safety Cabinet



SS Laboratory Furniture

## GREETINGS FROM SKYBOUND!

Dear Madam/ Sir,

Thank you very much for going through our catalogue.  
We are honored that you are learning more about us.

We are here to engineer your dream lab to reality.

We are going to guide you here, step by step, on the complete method of establishing a new lab for your organization.

We request you to go through our catalogue, page by page as it will help you achieve the lab you have envisioned.

We are there when you need us!

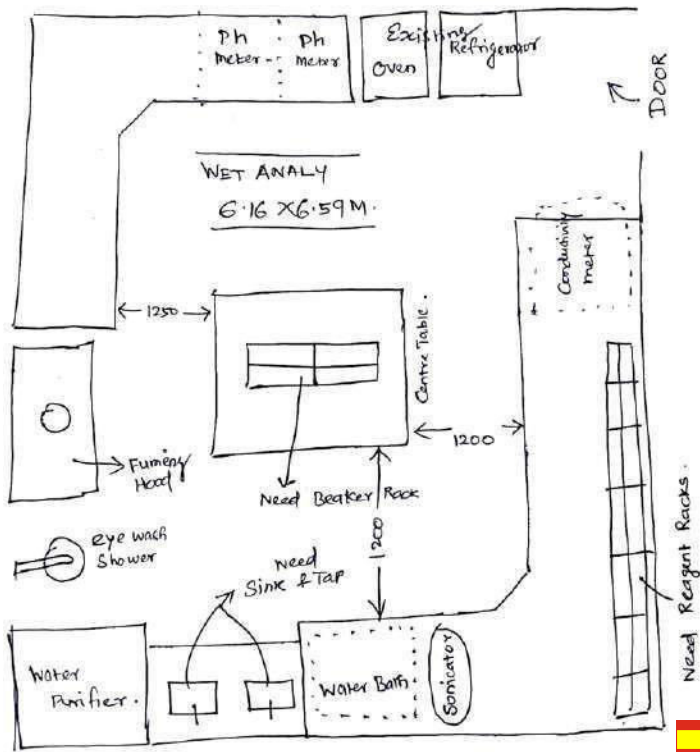
Our best wishes,  
Team Skybound

LABORATORY FURNITURE  
LAB INSTRUMENTS

Food Analytical Lab  
Cosmetic Lab  
Flavours And Fragrances Lab  
Automobile Lab  
Paint Lab  
Electronics Lab  
Chemical & Plastic Lab  
Petroleum Refinery Lab  
Space Science Lab  
Veterinary Science Lab  
Animal health Lab  
Beverages Lab  
Nuclear Power Lab  
Atomic Research Lab  
Agricultural Lab  
Textiles Testing Lab  
Commercial Testing Lab  
Academic Science Lab  
Research Institute Lab

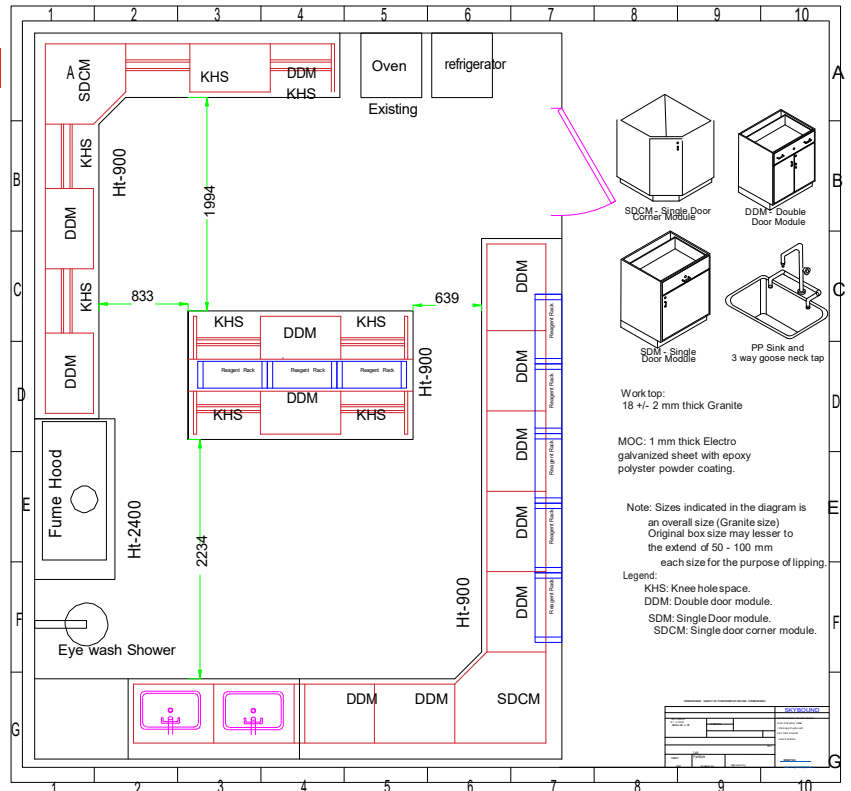


# MODEL LAB PLAN



Hand sketch of the drawing

Skybound CAD plan diagram



# PLAN YOUR LAB



Prepare a layout of the laboratory

9999174124

Skyboundprojects@gmail.com

Project Completion

Attach plumbing and electrical plan drawings

Skybound labs: Installation

Access the guidelines for laboratory from the concerned regulatory body

Skybound labs: Supply

List down the number of persons per batch and type of lab test planned

Skybound labs: Manufacturing

Mention any special requirements needed for the laboratory

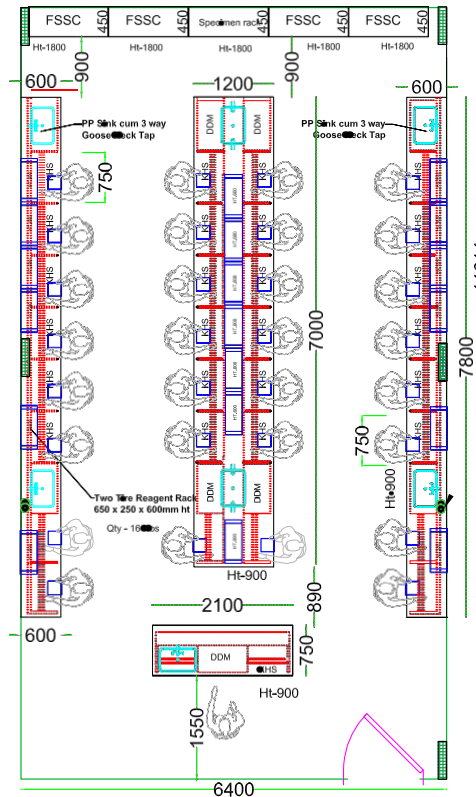
Your Purchase order with color confirmation and advance payment

Submission of lab plan drawing as per your requirements by Skybound labs

Your final approval along with color confirmation

Derivation of the final drawing based on your needs and inputs

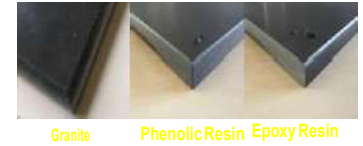
Submission of final drawing as per your instructions & Price quotations with terms and conditions



# LAB FURNITURE SPECIFICATIONS

Table Top

We offer a wide range of counter tops such as Epoxy coated black Granite, Epoxy composite, Phenolic resin and Quartz.



Material Used

The under bench modules are made up of Galvanized iron sheets. The frame structures built using CRCA square /rectangular tubes.



Under Bench Module

Completely made up of GI sheets. Shutters and drawers are of sandwich construction. Sound attenuating polymer bumpers are provided to minimize the noise while closing the shutters and drawers. Lockable roller bearings are provided to avoid accidental fallout of drawers. The telescopic drawer slides are very sturdy and can hold loads up to 26kg (as Uniformly Distributed Load). All modules have lock and dual key arrangement as default. That may also be customized.



Frame Construction

CRCA Square pipe is used for main frame structure and bottom support. Welded and finished with chemical resistant epoxy powder coating.



Knee Hole Space

Knee space is connected through 400 - 750 mm footrest. Completely made up of GI Sheet and finely finished with epoxy powder coating.



Powder Coating

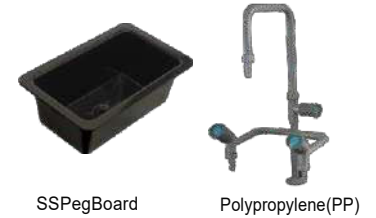
The complete module and frame work are finished with corrosion resistant Epoxy based / Polyester powder coating with 60 ±10 microns thickness. Laboratory Work Benches are provided with epoxy powder coated finish, with half white and optional color in both interior and exterior, that has one drawer and one cupboard with one horizontal partition.



# LAB FURNITURE SPECIFICATIONS

## Sink and Tap

Polypropylene / Epoxy / SS / Porcelain sink with outlet nipple, without drain hose. Three way / single way gooseneck tap will be provided for each sink.

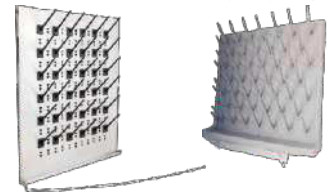


SS Peg Board

Polypropylene (PP)

## Pegboards

Laboratory Pegboards are available in varied sizes and specifications.



## Reagent Rack

Two tier Reagent Rack is made up of GI Sheet and finely finished with epoxy powder coating.



## Electrical switch box

6/16 amps Electrical socket with indicator switch will be mounted on half / full pyramid structure metal GI box.



## Fittings

- A) Handle : Aluminium anodised Flush handle.
- B) Screws : All G.I. Visible self drill screws.
- C) Lock : Cam lock with two keys.
- D) Drawer Slide : Precision full extension ball bearing plated drawer telescopic sliders.
- E) Hinges: Crank/Butt hinges.



## Key Board Tray

Smooth quiet movement with telescopic slides. Unique arched hand rest to prevent fatigue while working. Locks at extended positions completely finished with black epoxy powder coated.

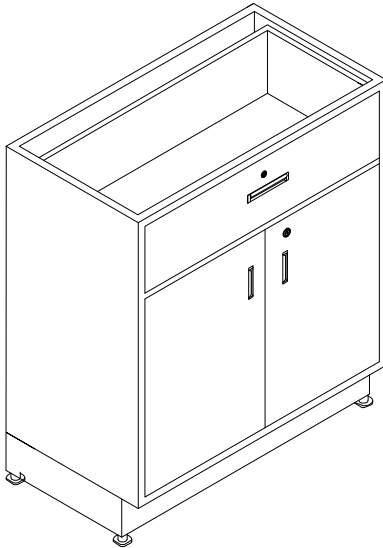


## CPU Trolley

This saves valuable desk top space. Soft, vibration reduction pads provided with an adjustment of 95mm with castor wheels. Completely finished with black epoxy powder coated.



# LAB UNDER BENCH CABINET DETAILS



Full extension, ball bearing,  
plated drawer slides

Doors and drawers heads are "double pan"  
construction and sound attenuation.

Branded Cam Lock-user friendly

Adjustable doors with full  
access opening

full depth adjustable shelf  
adjustable on 2" centers

## Legends

DDM-DoubleDoorModule;  
SDM-SingleDoorModule;  
CSDM-CornerSingleDoorModule

## Gauges of base cabinet components

1 mm thick galvanised iron

Back panels

Bottom panels

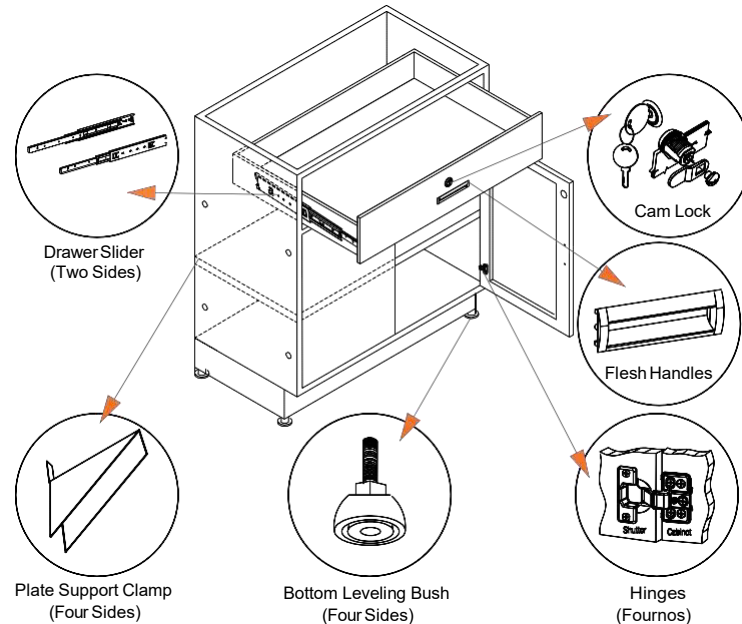
Drawer/door outer panels

Door inner panels

Drawer bodies

Bottom

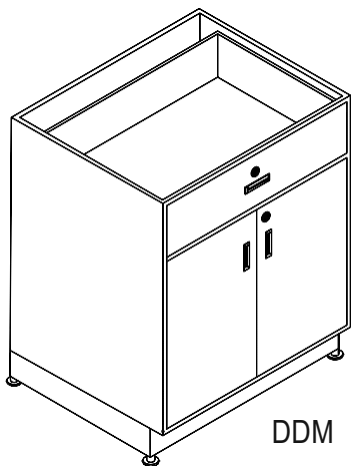
Shelves



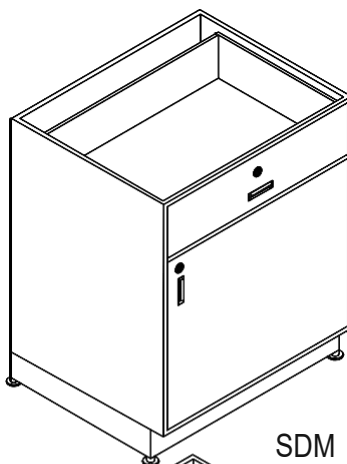
All surfaces shall be painted or zinc plated. The paint is  
chemical and UV resistant baked on epoxy-hybrid powder.  
Specific test data is available upon request.



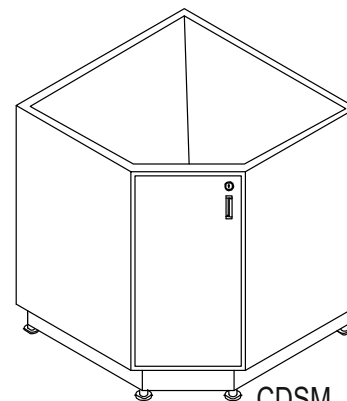
# LAB UNDER BENCH CABINET MODELS



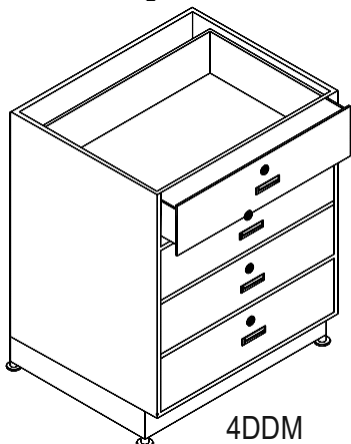
DDM



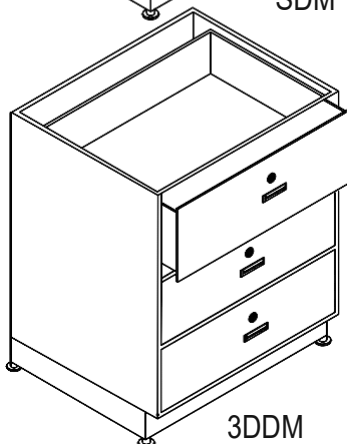
SDM



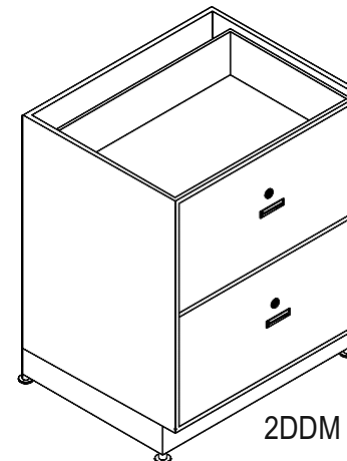
CDSM



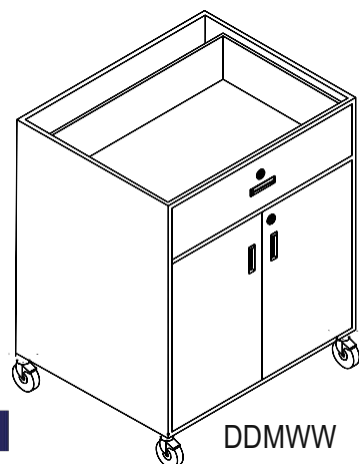
4DDM



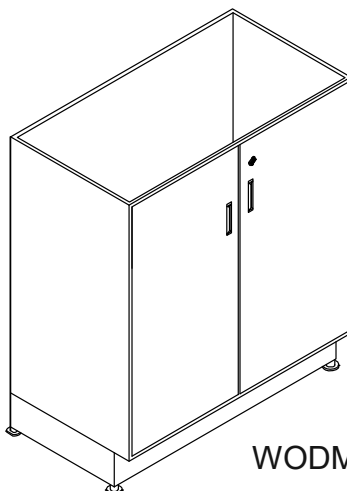
3DDM



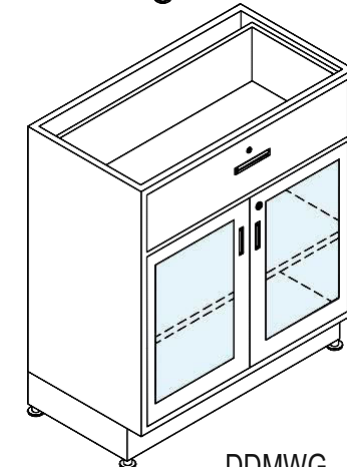
2DDM



DDMWW



WODM



DDMWG

# CENTER/ISLAND LAB TABLES

Versatile and space efficient, Centre/Island tables are usually designed standalone in the central spaces. Intended to incorporate workstations on either side facing each other, they are generally preferred for dry work.

Having higher storage spaces, the storage cabinets can be designed accessible from both sides. Power sockets, sinks, gas outlets or reagent racks are provided as per customer requirements for each workstation. The island table can be sized to the lab needs and user ergonomics with knee hole space options or continuous models.

These lab tables are most optimal when there is a need to incorporate large machinery, with a need for 360° operation. Island tables can be designed to perfectly host the machinery while also allowing for all round accessibility.

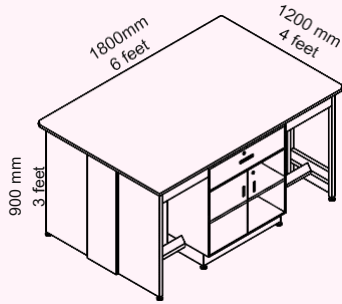
## Benefits:

- Space efficient
- Dual access and larger storage space
- Optimal to incorporate reagent racks
- Dismantling and re-assembly is very convenient
- Hassle-free renovation and maintenance
- Instrument placement and 360° operation is the easiest ever
- Dual access reagent racks, electrical points sink & taps
- Instrument placement that is spacious and ergonomic

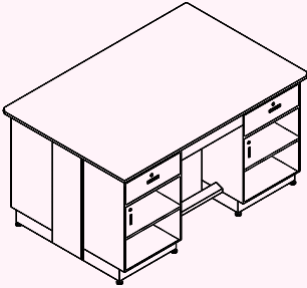


# ISLAND TABLES

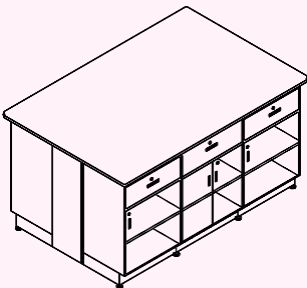
MIT6432M - (6 x 4 x 3 feet)



MIT6434M - (6 x 4 x 3 feet)



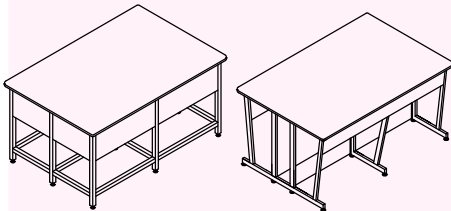
MIT6436M - (6 x 4 x 3 feet)



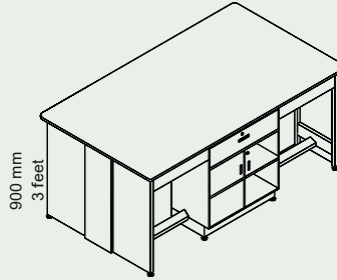
MIT6430M - (6 x 4 x 3 feet)

Ⓐ

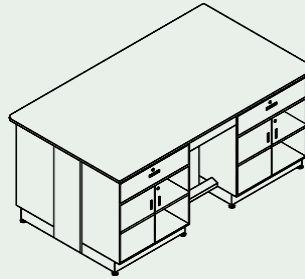
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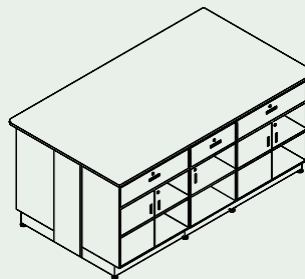
MIT7432M - (7 x 4 x 3 feet)



MIT7434M - (7 x 4 x 3 feet)



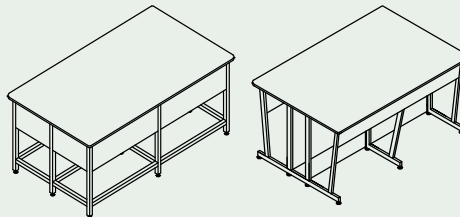
MIT7436M - (7 x 4 x 3 feet)



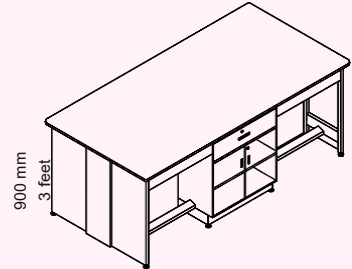
MIT7430M - (7 x 4 x 3 feet)

Ⓐ

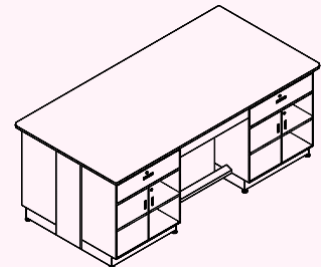
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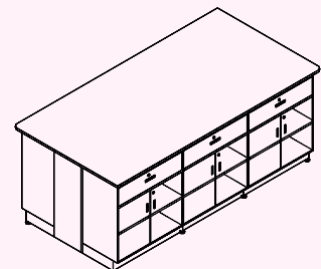
MIT8432M - (8 x 4 x 3 feet)



MIT8434M - (8 x 4 x 3 feet)



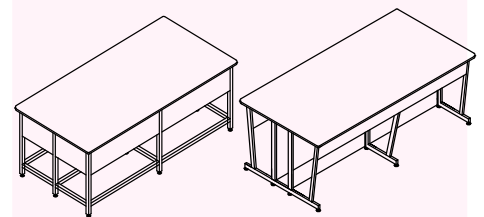
MIT8436M - (8 x 4 x 3 feet)



MIT8430M - (8 x 4 x 3 feet)

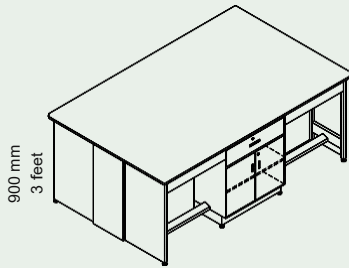
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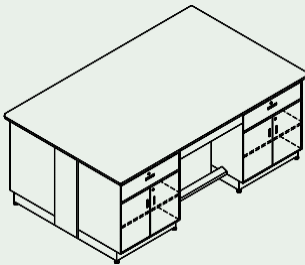


# ISLAND TABLES

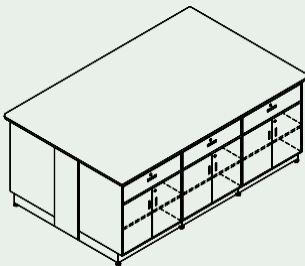
MIT8532M - (8 x 5 x 3 feet)



MIT8534M - (8 x 5 x 3 feet)



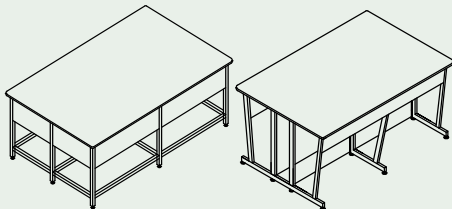
MIT8536M - (8 x 5 x 3 feet)



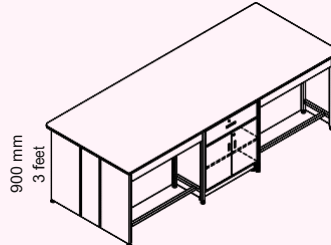
MIT8530M - (8 x 5 x 3 feet)

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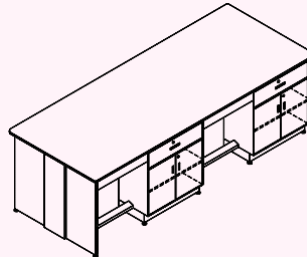
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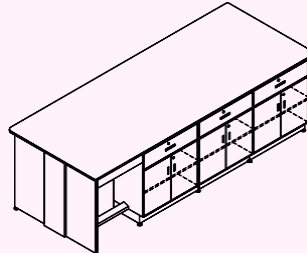
MIT10432M - (10 x 4 x 3 feet)



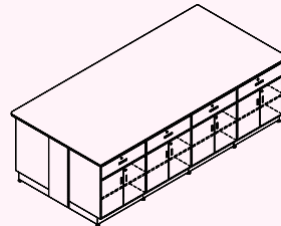
MIT10434M - (10 x 4 x 3 feet)



MIT10436M - (10 x 4 x 3 feet)



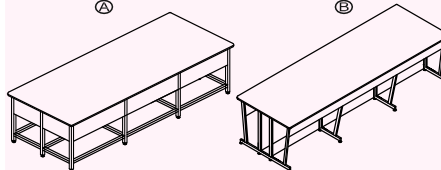
MIT10438M - (10 x 4 x 3 feet)



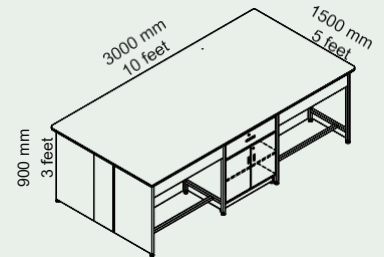
MIT10430M - (10 x 4 x 3 feet)

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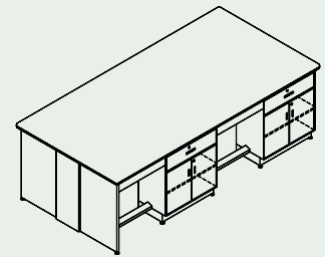
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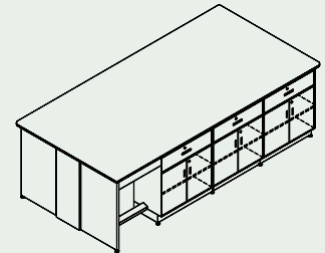
MIT10532M - (10 x 5 x 3 feet)



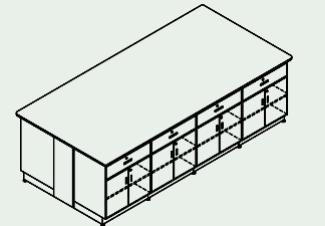
MIT10534M - (10 x 5 x 3 feet)



MIT10536M - (10 x 5 x 3 feet)



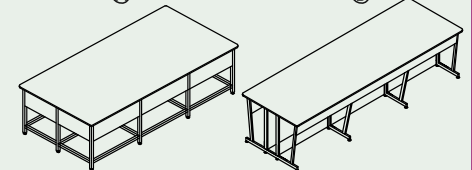
MIT10538M - (10 x 5 x 3 feet)



MIT10530M - (10 x 5 x 3 feet)

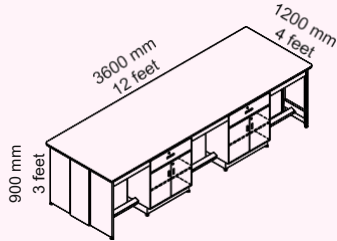
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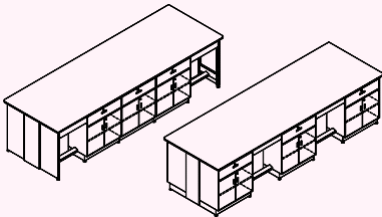


# ISLAND TABLES

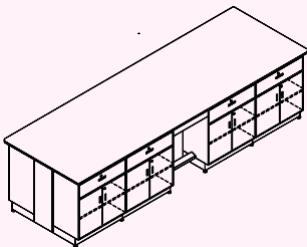
MIT12434M - (12 x 4 x 3 feet)



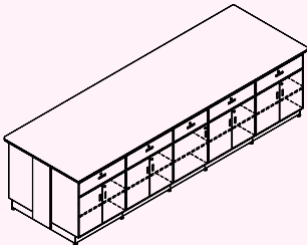
MIT12436M - (12 x 4 x 3 feet)



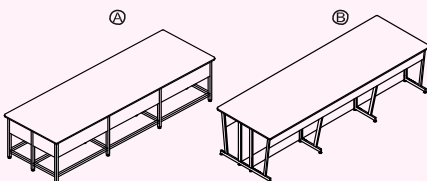
MIT12438M - (12 x 4 x 3 feet)



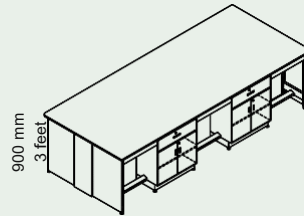
MIT124310M - (12 x 4 x 3 feet)



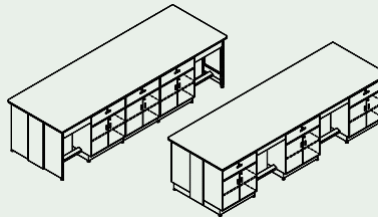
MIT12430M - (12 x 4 x 3 feet)



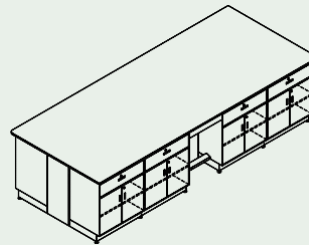
MIT12534M - (12 x 5 x 3 feet)



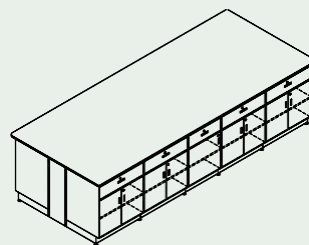
MIT12536M - (12 x 5 x 3 feet)



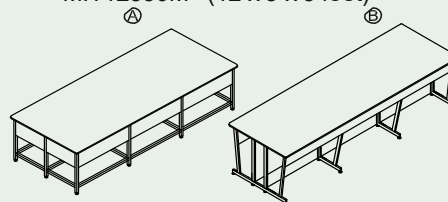
MIT12538M - (12 x 5 x 3 feet)



MIT125310M - (12 x 5 x 3 feet)



MIT12530M - (12 x 5 x 3 feet)



# WALLSIDE LAB TABLES

Wall tables are workbenches designed flush against the wall to utilize wall space. They are just wide enough to accommodate workstations on one side. Some industries prefer wall tables for higher stakes wet work as the wall acts as an effective backsplash.

Wall tables are custom designed often with sinks at the corners to minimize water splash and maximize accessibility. Laying ducts for spot extractors, electrical lining for sockets, water lines for taps and gas liners for various uses (applications) all become much more convenient to construct. Wall tables are preferred while designing with very dense machinery in mind, as their load bearing capacity per unit area is slightly higher.

In many labs, wall tables are integrated in with island tables to make a demarcation between dry workstations and wet workstations. For long and narrow lab spaces, wall tables are the best solution as they offer the most functionality for the least spatial requirement.

Labs performing colorimetric experiments often opt for wall tables as it helps the users have a standard color comparator (the wall) across all test results.

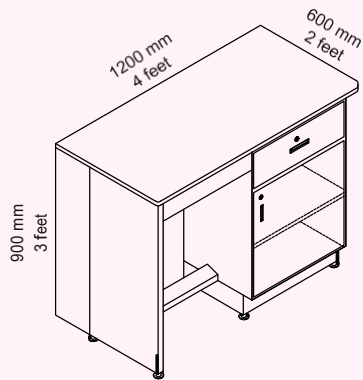
## Benefits:

- Optimal backsplash
- Ease in incorporating:
  - ⇒ water pipes (Sink-tap assembly)
  - ⇒ ducts (Spot extractors)
  - ⇒ electric lines (Sockets)
  - ⇒ gas pipes for various uses and applications.
- Denser machinery easily supported
- A better workspace solution for colorimetric experiments
- Convenient spaces for high stakes wet work
- Higher load bearing capacity per unit area

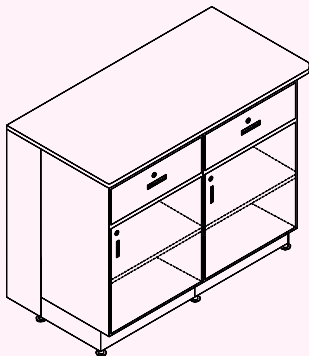


# WALL SIDE TABLES

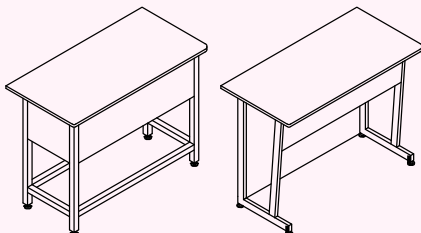
MWT4231M - (4 x 2 x 3 feet)



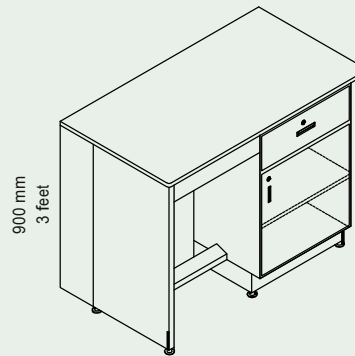
MWT4232M - (4 x 2 x 3 feet)



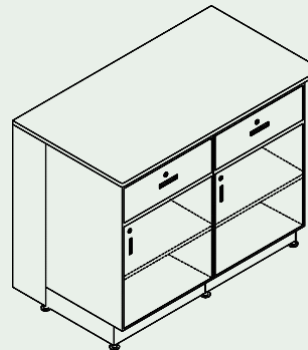
MWT4230M - (4 x 2 x 3 feet)



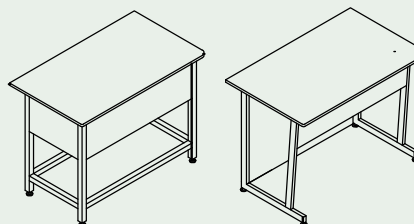
MWT42531M - (4 x 2.5 x 3 feet)



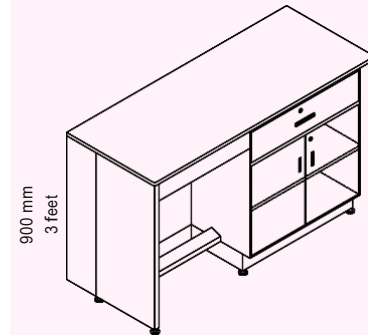
MWT42532M - (4 x 2.5 x 3 feet)



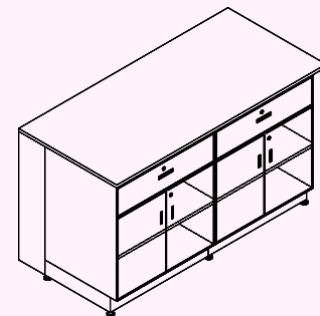
MWT42530M - (4 x 2.5 x 3 feet)



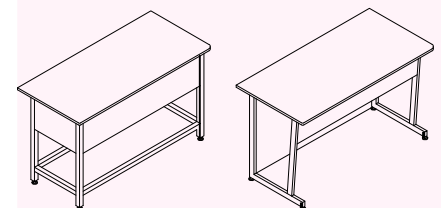
MWT5231M - (5 x 2 x 3 feet)



MWT5232M - (5 x 2 x 3 feet)

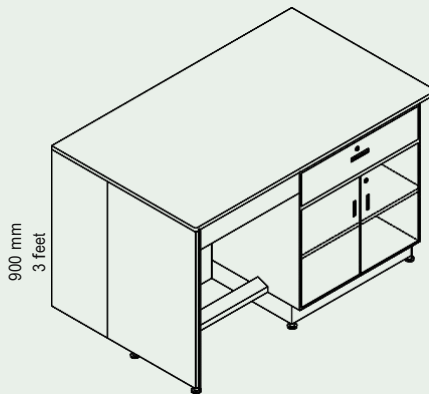


MWT5230M - (5 x 2 x 3 feet)

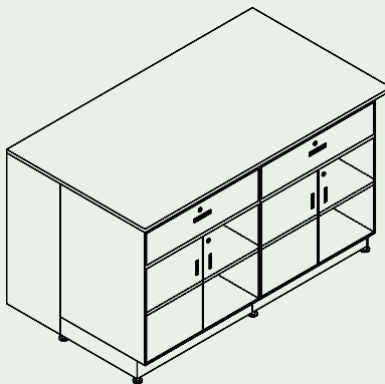


# WALL SIDE TABLES

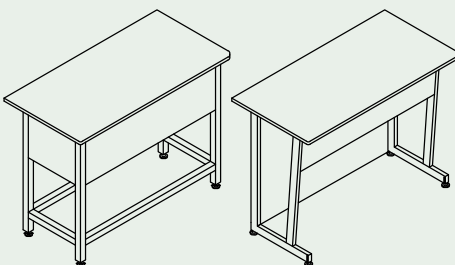
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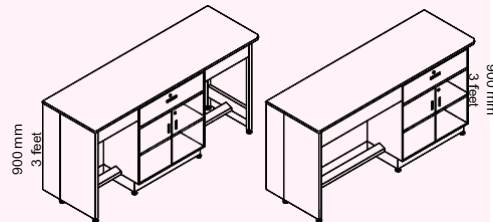
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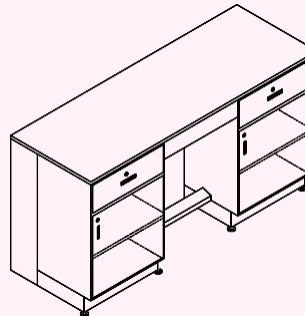
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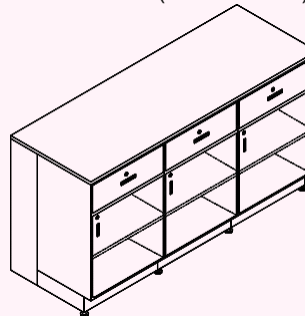
MWT6231M - (6 x 2 x 3 feet)



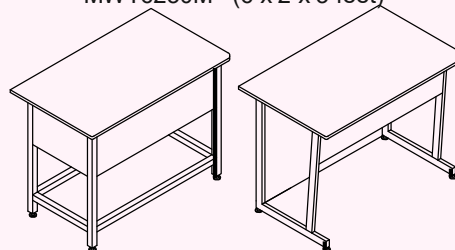
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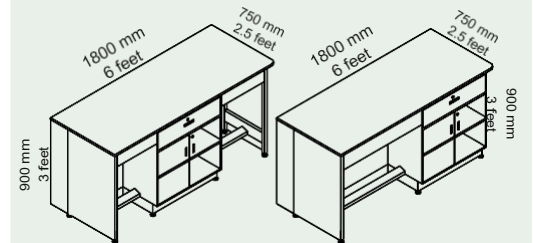
MWT6233M - (6 x 2 x 3 feet)



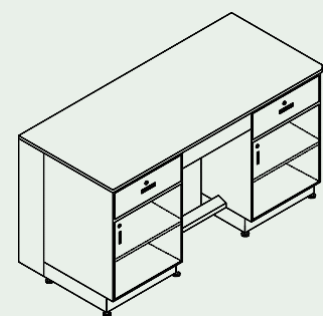
MWT6230M - (6 x 2 x 3 feet)



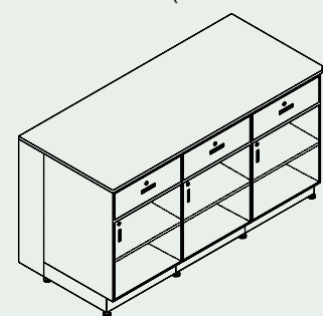
MWT62531M - (6 x 2.5 x 3 feet)



MWT62532M - (6 x 2.5 x 3 feet)



MWT62533M - (6 x 2.5 x 3 feet)



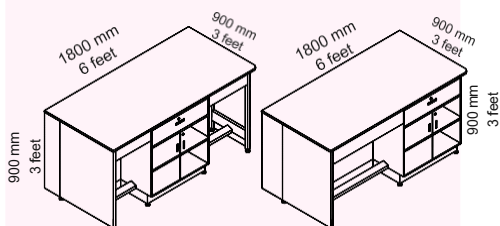
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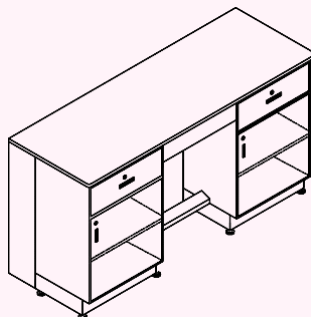


# WALL SIDE TABLES

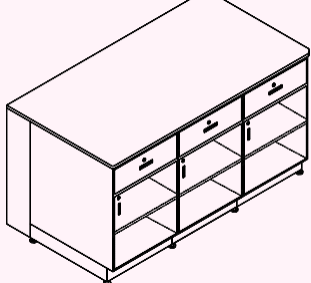
MWT6331M - (6 x 3 x 3 feet)



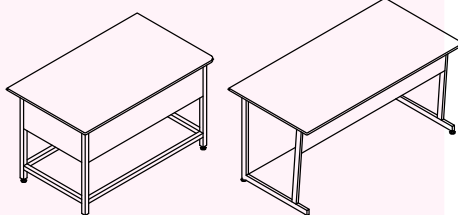
MWT6332M - (6 x 3 x 3 feet)



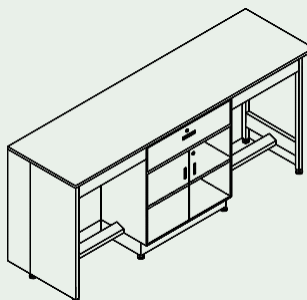
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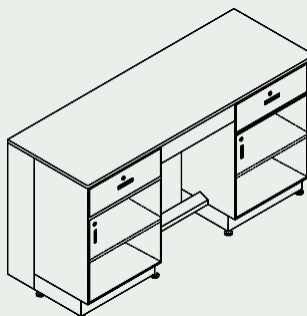
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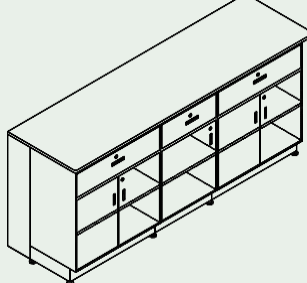
MWT7231M - (7 x 2 x 3 feet)



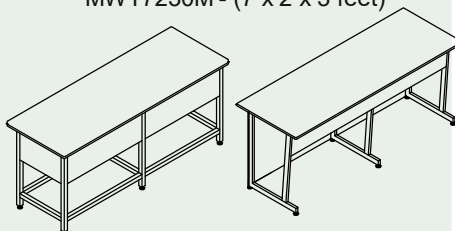
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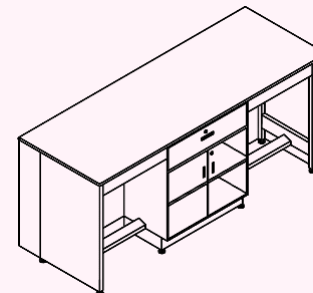
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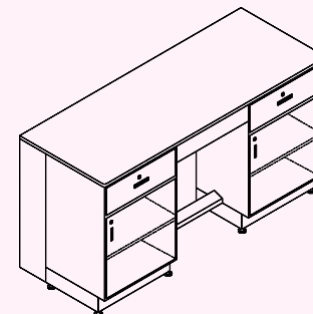
MWT7230M - (7 x 2 x 3 feet)



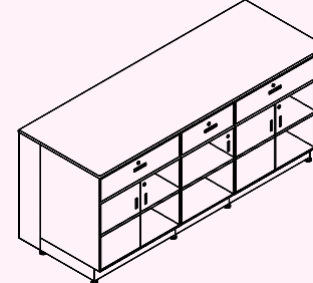
MWT72531M - (7 x 2.5 x 3 feet)



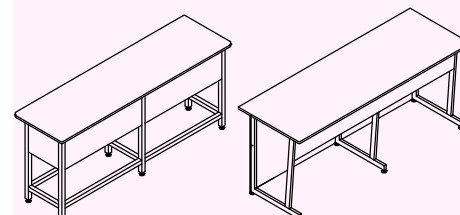
MWT72532M - (7 x 2.5 x 3 feet)



MWT72533M - (7 x 2.5 x 3 feet)

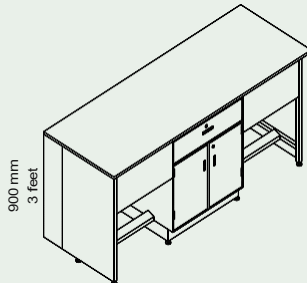


MWT72530M - (7 x 2.5 x 3 feet)

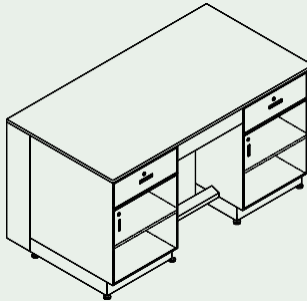


# WALL SIDE TABLES

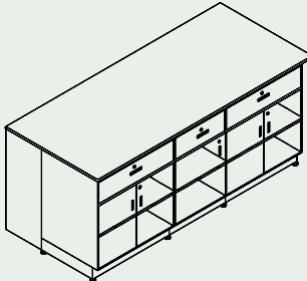
MWT7331M - (7 x 3 x 3 feet)



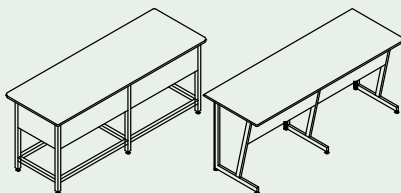
MWT7332M - (7 x 3 x 3 feet)



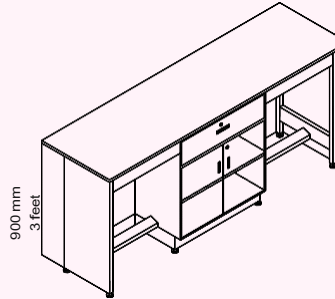
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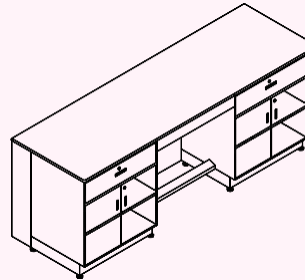
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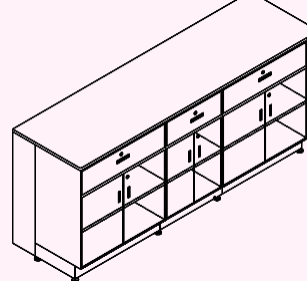
MWT8231M - (8 x 2 x 3 feet)



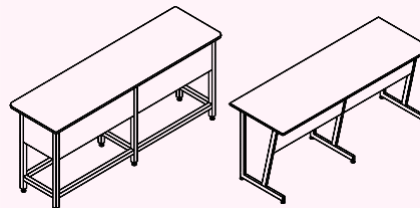
MWT8232M - (8 x 2 x 3 feet)



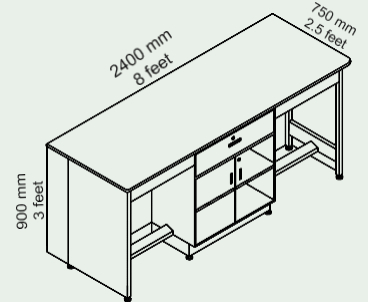
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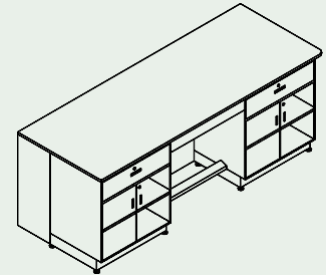
MWT8230M - (8 x 2 x 3 feet)



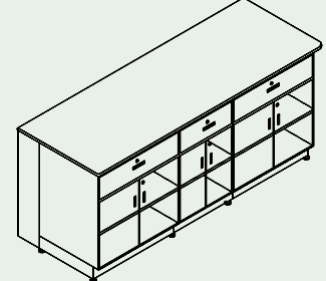
MWT82531M - (8 x 2.5 x 3 feet)



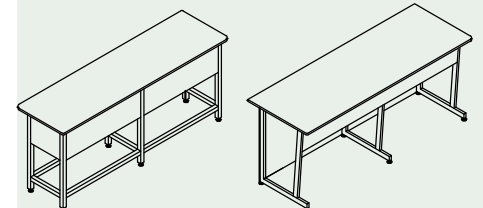
MWT82532M - (8 x 2.5 x 3 feet)



MWT82533M - (8 x 2.5 x 3 feet)



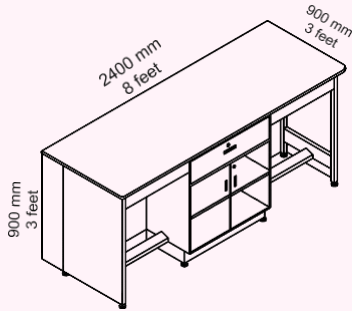
MWT82530M - (8 x 2.5 x 3 feet)



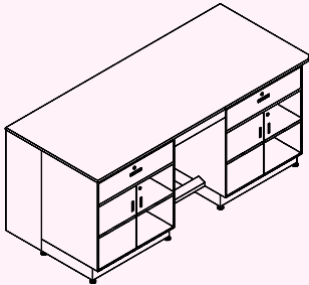
WALL SIDE LAB TABLES

# WALL SIDE TABLES

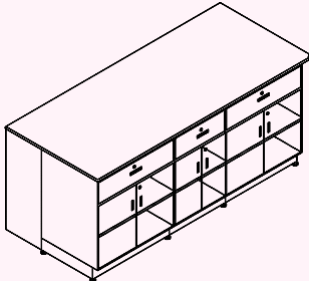
MWT8331M - (8 x 3 x 3 feet)



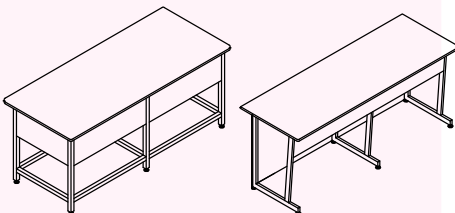
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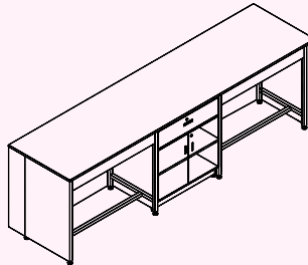
MWT8333M - (8 x 3 x 3 feet)



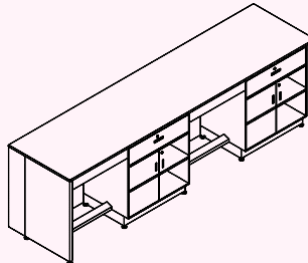
MWT8330M - (8 x 3 x 3 feet)



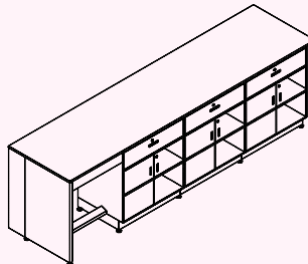
MWT92531M - (9 x 2.5 x 3 feet)



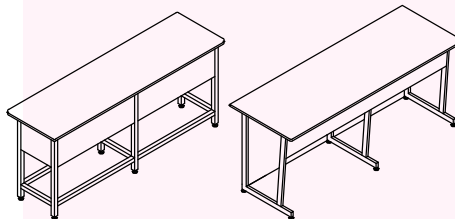
MWT92532M - (9 x 2.5 x 3 feet)



MWT92533M - (9 x 2.5 x 3 feet)



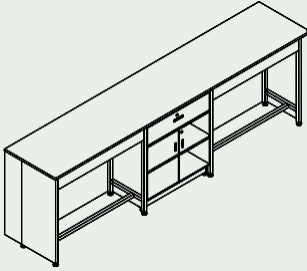
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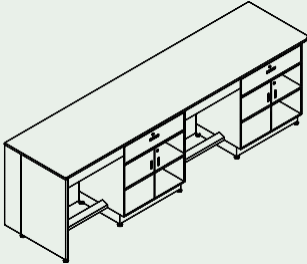
WALL SIDE LAB TABLES

# ALL SIDE TABLES

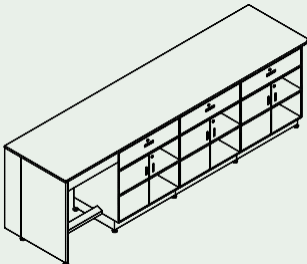
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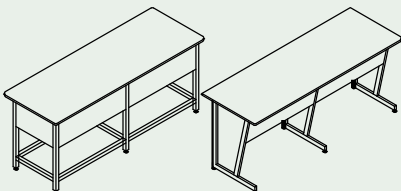
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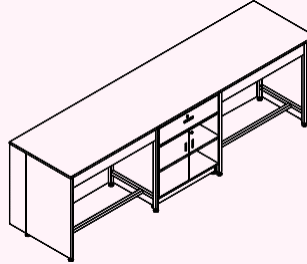
MWT9333M - (9 x 3 x 3 feet)



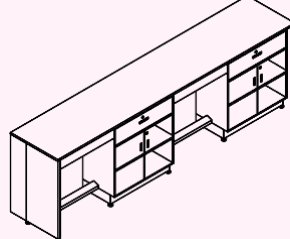
MWT9330M - (9 x 3 x 3 feet)



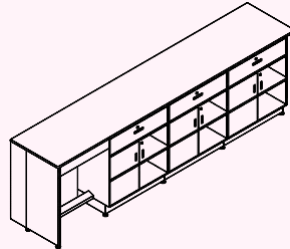
MWT10231M - (10 x 2 x 3 feet)



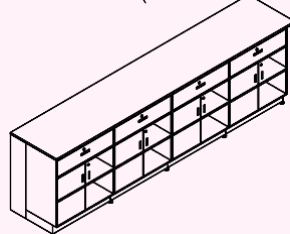
MWT10232M - (10 x 2 x 3 feet)



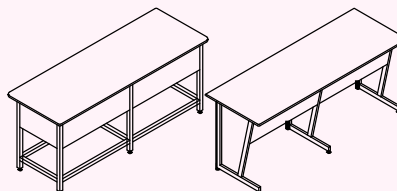
MWT10233M - (10 x 2 x 3 feet)



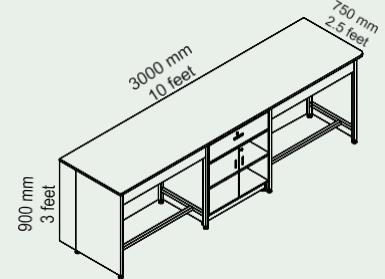
MWT10233M - (10 x 2 x 3 feet)



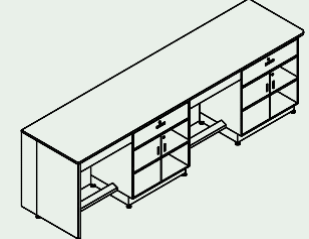
MWT10230M - (10 x 2 x 3 feet)



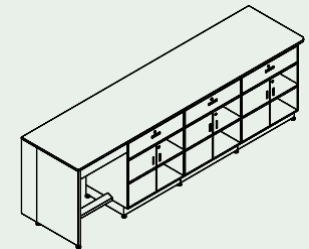
MWT102531M - (10 x 2.5 x 3 feet)



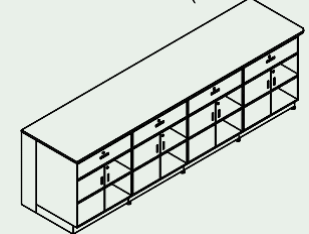
MWT102532M - (10 x 2.5 x 3 feet)



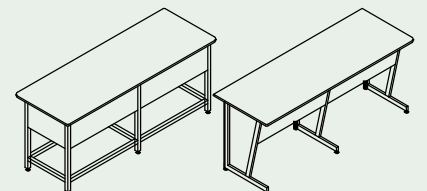
MWT102533M - (10 x 2.5 x 3 feet)



MWT102533M - (10 x 2.5 x 3 feet)

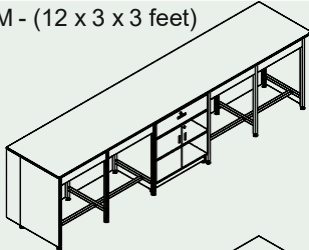


MWT102530M - (10 x 2.5 x 3 feet)

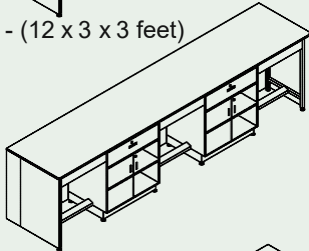


# WALL SIDE TABLES

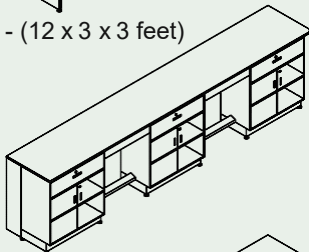
MWT12331M - (12 x 3 x 3 feet)



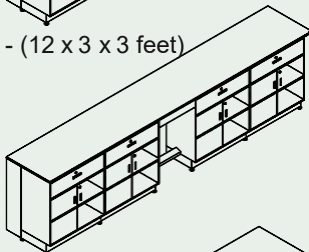
MWT1232M - (12 x 3 x 3 feet)



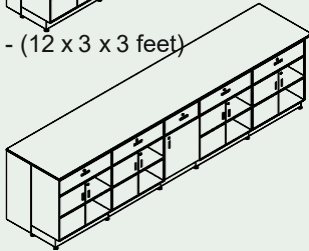
MWT1233M - (12 x 3 x 3 feet)



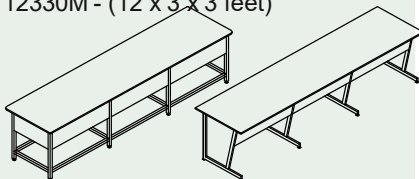
MWT1234M - (12 x 3 x 3 feet)



MWT1235M - (12 x 3 x 3 feet)



MWT12330M - (12 x 3 x 3 feet)



WALL SIDE LAB TABLES

# SINK UNITS

The most important decision while planning for a sink unit is material of the basin. Choosing the right material of construction assures safety of operation and extended life of product. When it comes to the choice of the depth and dimensions of the sink unit, the vessels used in the lab must be weighed in to make the decision.

Materials that we offer:

- ⇒ Polypropylene (PP)
- ⇒ Porcelain
- ⇒ Ceramic
- ⇒ Quartz
- ⇒ Epoxy
- ⇒ Stainless steel



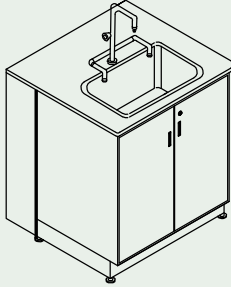
Tap assembly technical specifications:

- ⇒ Porosity and leakage resistant
  - ⇒ Made from high quality brass forging grade IS 8387 2007 and machining grade IS : 319 (I)
- ⇒ Epoxy powder coated
  - ⇒ Tested pneumatically at 250 PSI, hydraulically at 30 PSI and Bursting Test at 500 PSI to avoid leakage
- ⇒ Life cycle test of 5,00,000 cycles

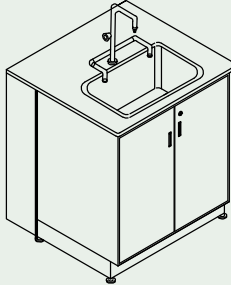


# SINK UNITS

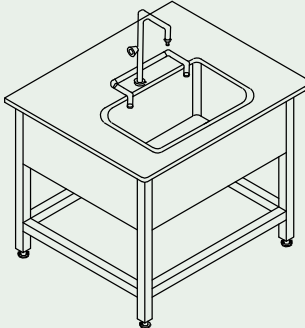
MST32531M - (3 x 2.5 x 3 feet)



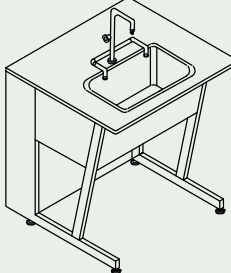
MWT3331M - (3 x 3 x 3 feet)



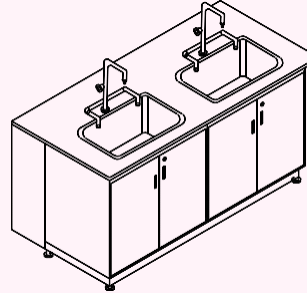
MWT32530M - (3 x 2.5 x 3 feet)



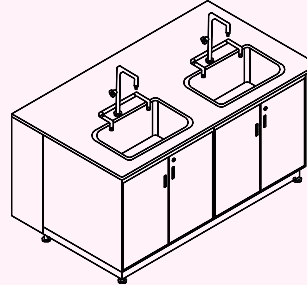
MWT3330M - (3 x 3 x 3 feet)



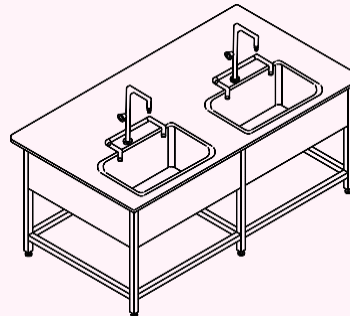
MST52532M - (5 x 2.5 x 3 feet)



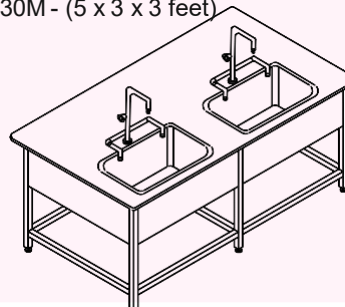
MWT5332M - (5 x 3 x 3 feet)



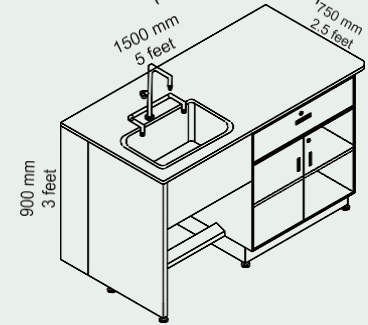
MWT52530M - (5 x 2.5 x 3 feet)



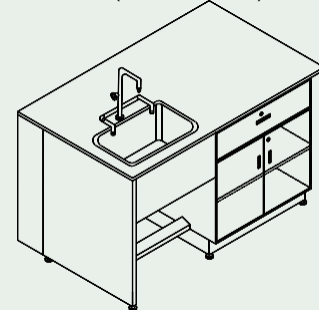
MWT5330M - (5 x 3 x 3 feet)



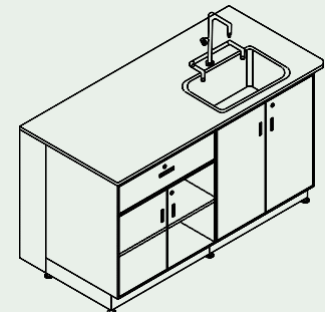
MST52531M - (3 x 2.5 x 3 feet)



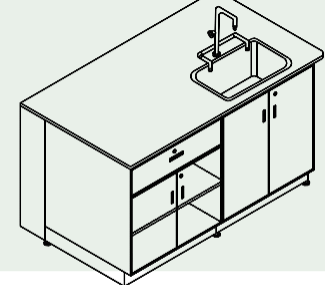
MWT5331M - (3 x 3 x 3 feet)



MWT52532M - (3 x 2.5 x 3 feet)



MWT5332M - (3 x 3 x 3 feet)



# ANTI-VIBRATION TABLE

Referred to often as AVTs, these are tables that attenuate incoming vibration and provide a suitable worktop for equipment and processes that are highly vibration sensitive. Processes inclusive of but not exclusive to precision metrology, IVF, micro-balances, microscopes, calibration and galvanometers require the use of anti-vibration tables.

The top granite is positioned independently with the bottom frame structure of the table. The heavily weighted table is placed on damping cups that further dampen the vibrations that escape the inertial damping system of the CRCA table frame.

Drawers are added to the design at the request of the customers which provides a space to store weights, accessories and miscellaneous items. The type of attenuation and workspace is customised to best suit the customer's needs.

Structure made of 1mm GI sheets, CRCA tubing, and finished with epoxy powder coating. In-built Anti-vibration pads and damping mounts. The table is fortified with an inertial system that helps in attenuating deeper vibrations such as that from construction sites, traffic and natural vibrations from earth's crust.

Note: anti-vibration table is not a vibration-free table, i.e, only the workspace is designed to be low in vibration- it is normal for the table itself to vibrate at times without affecting the functionality of the workspace itself.

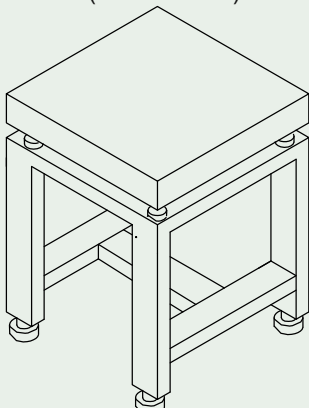
- High grade CRCA table frame- Chemical resistant epoxy powder coating
- High inertial system that dampens maximum vibrations
- Isolated workspace that attenuates fine vibrations
- Workspace customised to precisely suit user applications
- Epoxy powder coated GI draws can be added to the design



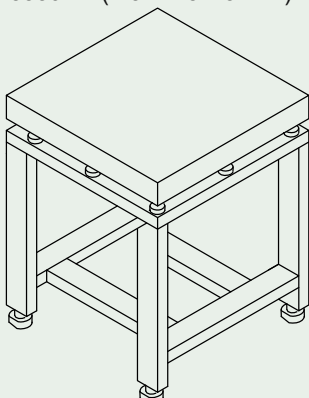


# ANTI-VIBRATION TABLE

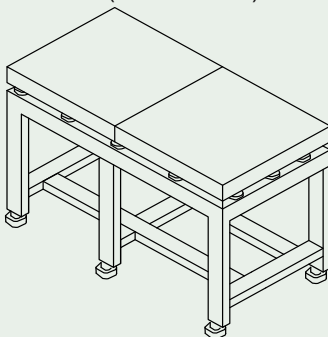
MAVT2230M - (2 x 2 x 3 feet)  
MAVT252530M - (2.5 x 2.5 x 3 feet)  
MAVT3330M - (3 x 3 x 3 feet)



MAVT22530M - (2 x 2 x 3 feet)  
MAVT25330M - (2.5 x 2.5 x 3 feet)



MAVT4230M - (4 x 2 x 3 feet)  
MAVT42530M - (4 x 2.5 x 3 feet)  
MAVT4330M - (4 x 3 x 3 feet)

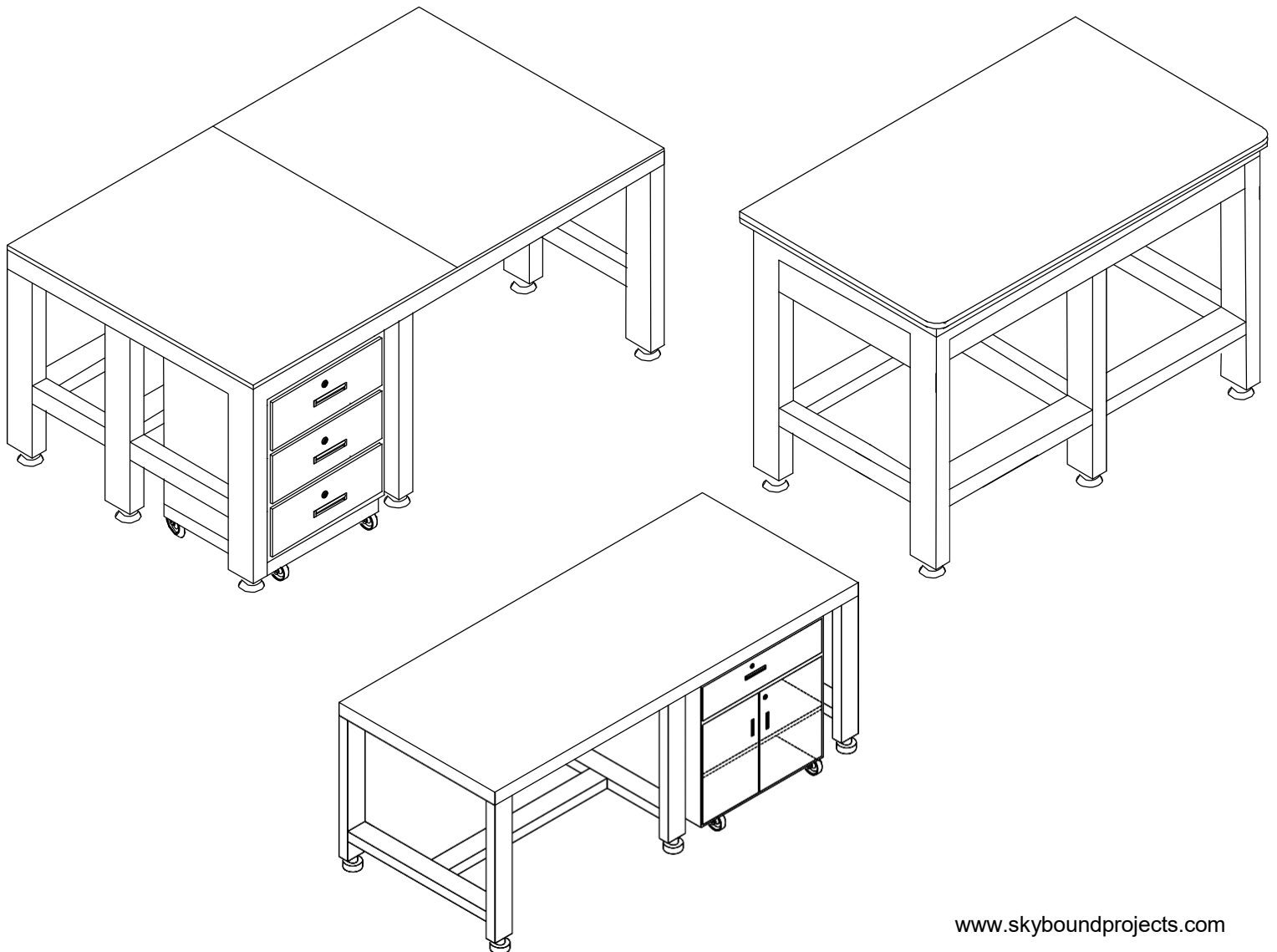


# VIBRATION FREE TABLE

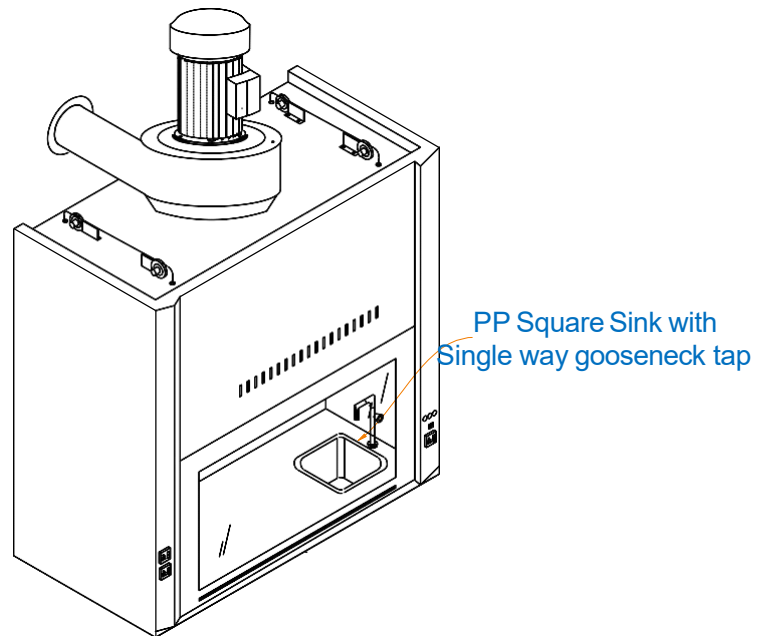
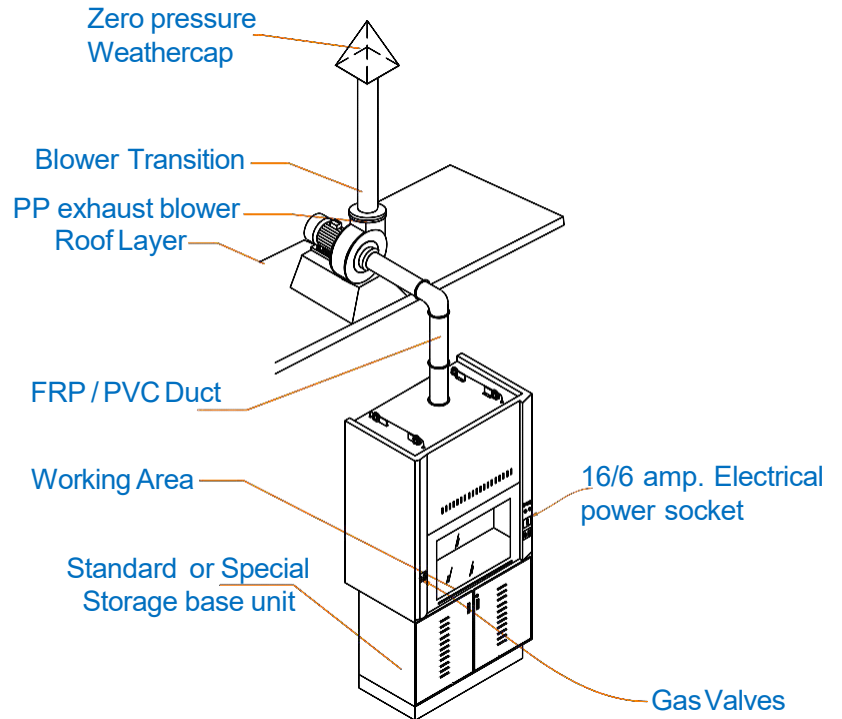
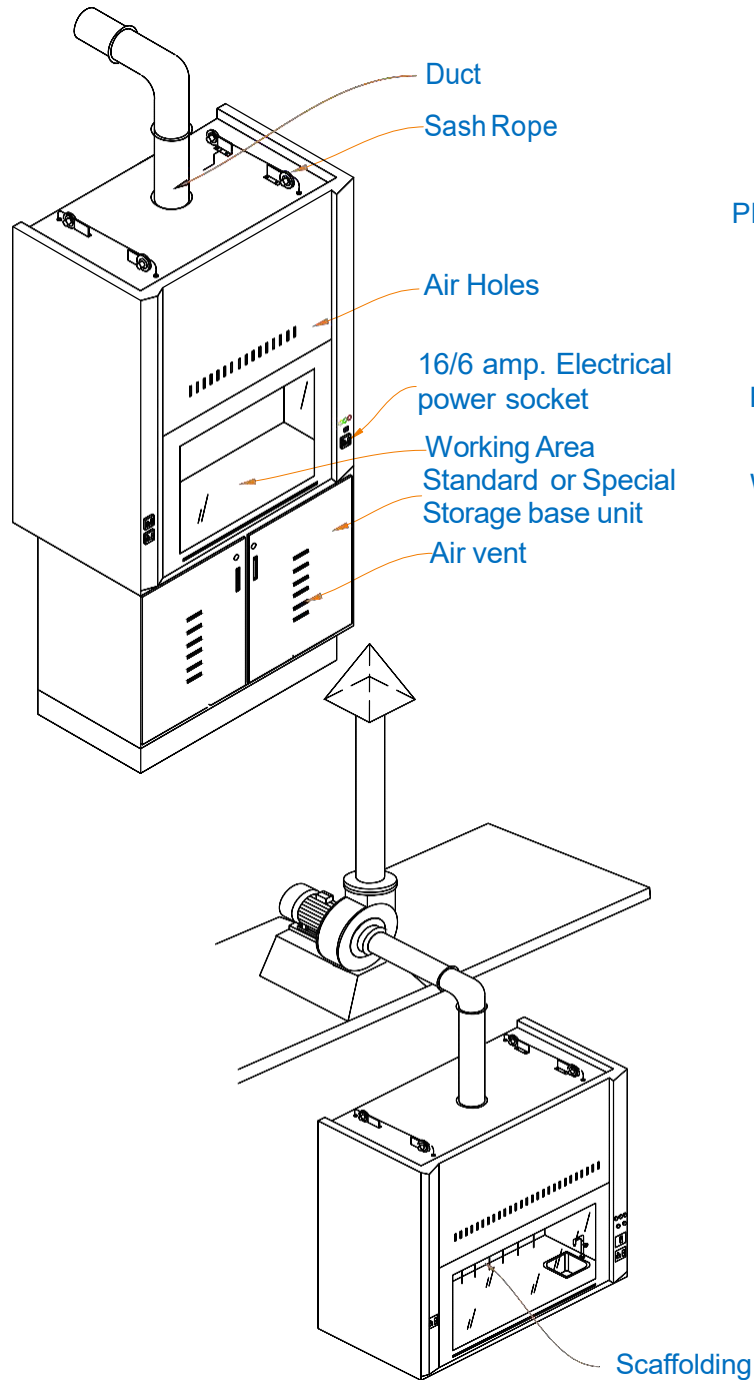
Vibration free tables arrest the vibration that emanates from the table top to the lab floor due to the instrumentation used or processes undertaken. Vibrations are highly disruptive causing a high cost in terms of lab workflow and productivity.

Made of high quality G.I sheet metal, CRCA square tubing, multiple worktop options, vibration free tables can be designed to perfectly suit your instrumentation and process needs.

Vibration free tables are an innovative product of Skybound, and have been under research and development for over a decade, contributing to a vibration and distraction free workspace.



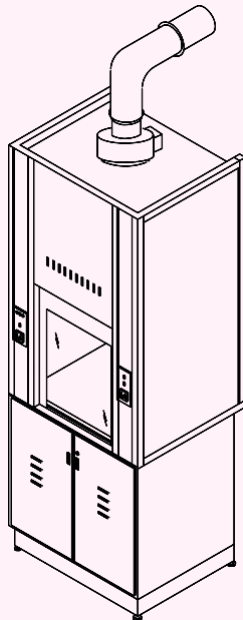
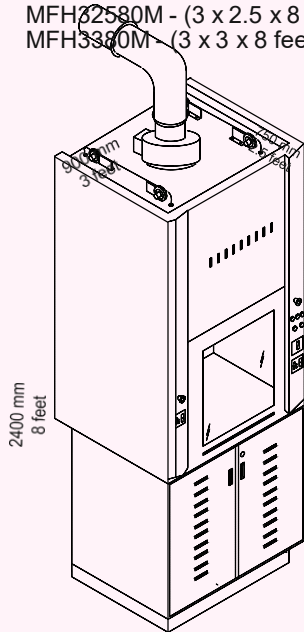
# LAB FUME HOOD MODELS



# FUME HOODS

## MINI FUME HOOD

MFH2580M - (3 x 2.5 x 8 feet)  
MFH3380M - (3 x 3 x 8 feet)



Fume hoods are primarily geared towards educational, research, and other industries or applications where there is a need for demonstration of the work done, but there is minimal emission of chemicals and vapours generated.

The size of the hood and the inline fan used ensure the right optimum of lower energy consumption while keeping the laboratory air clean and environment friendly.

Featuring glass panels for the sash door and sides. The hood is designed with an ergonomic angle on the front for good user experience. Alternatively, the back can also be opted for a glass panel to facilitate easy observation of the demonstrations inside the hood.

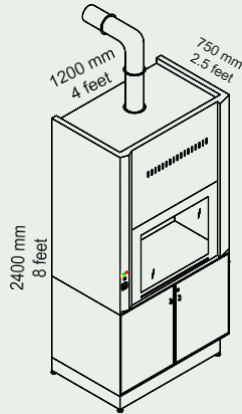
More suitable for industries where very low amount of acids used for testing.

- ⇒ Glasspanelsforsashdoor,side.
- ⇒ Ergonomicfront angle
- ⇒ Easydemonstration for education and research
- ⇒ Minimal energyusage

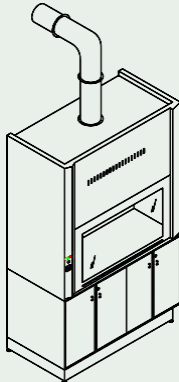
# FUME HOODS

## CHEMICAL FUME HOOD

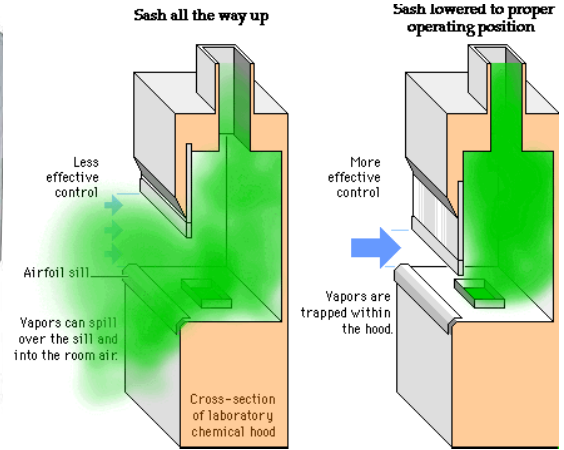
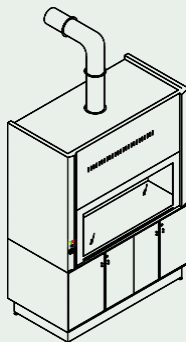
MFH42580M - (4 x 2.5 x 8 feet)  
 MFH4380M - (4 x 3 x 8 feet)



MFH52580M - (5 x 2.5 x 8 feet)  
 MFH5380M - (5 x 3 x 8 feet)



MFH62580M - (6 x 2.5 x 8 feet)  
 MFH6380M - (6 x 3 x 8 feet)



The ducted fume hood cabinets, also known as a chemical fume hood is the time tested method of treating hazardous fume and vapour effluents in the laboratory.

The purpose of a chemical fume hood is to prevent the release of hazardous substances into the lab environment. In case of an accidental spill, these cabinets contain the spillage and exhaust the fumes away from the user and the laboratory zone.

Designed to be stationary with hand-height work-tops, additions of sink-tap assembly, sockets and the like can be made to suit lab needs.

Chemical fume hoods, especially ductless, must NOT be used in lab environments with air re-circulation. This will result in the compounding of residuals over time and could become increasingly hazardous.

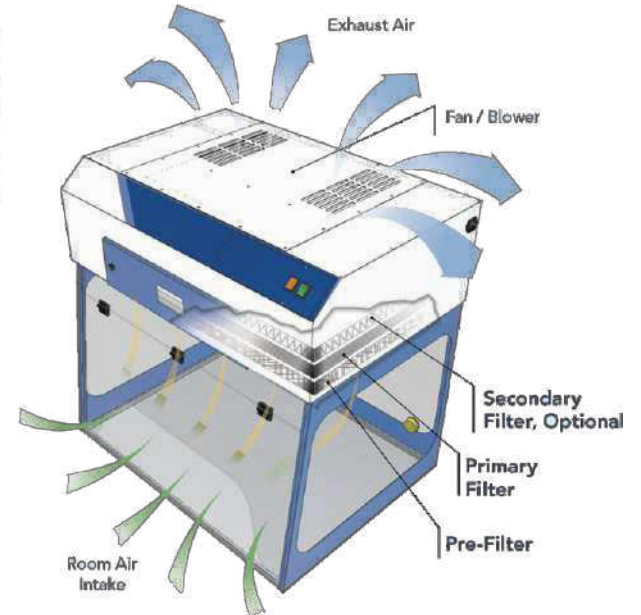
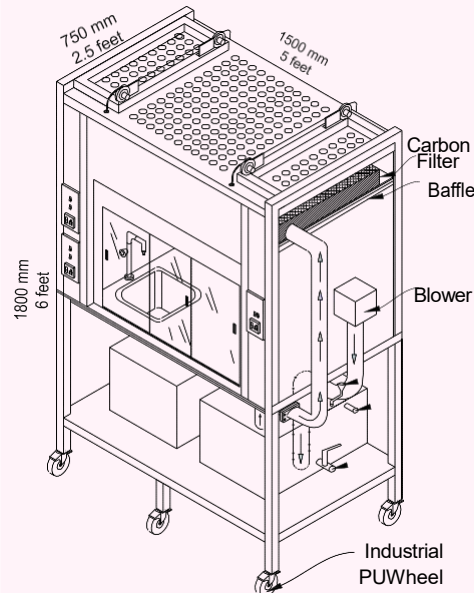
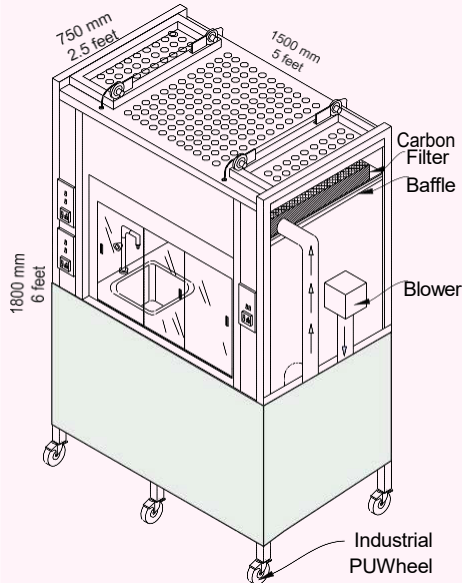
With the correct design practices, awareness of limitations and proper usage, these hoods offer great protection against toxic or hazardous fumes produced. While following the right manufacturing techniques, the fumes can also be rendered harmless and environment-friendly before release.

To establish if a chemical must be employed within a chemical fume hood, first consult the Safety Data Sheet (SDS). Statements such as "Do not breathe dust, fumes, or vapours" or "Toxic by inhalation" in Section 2 of an SDS highlight the necessity for a fume hood.

# FUME HOODS

## DUCTLESS FUME HOOD

MDLFH3258 - (3 x 2.5 x 8 feet)  
 MDLFH4258 - (4 x 2.5 x 8 feet)  
 MDLFH5258 - (5 x 2.5 x 8 feet)



Ductless fume hoods are designed to remove potential hazardous fumes and vapors from the work area as the exhausted air passes through absorbent filters, such as activated carbon. Filtered air is then recirculated back into the laboratory.

Filtered fume hoods are for use in research labs.

Ductless fume hoods are ideal for labs that require mobility, handle light to moderate chemical loads and are looking for a cost-effective option from both an installation and operational perspective.

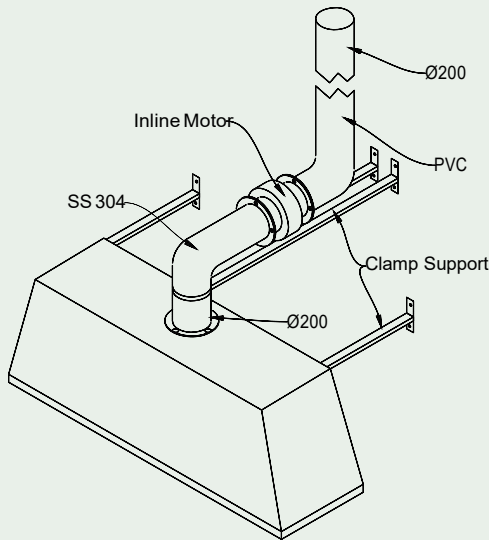
A Ductless fume hood uses carbon filters to remove fumes and vapours from a laboratory. Carbon filtration, an advanced technology used within a ductless fume hood, is an eco-friendly choice for both the user and the environment. Instead of funnelling the fumes outside, the fume hood filters out the harmful fumes and then returns the clean air back into the laboratory. Ductless fume hoods are also energy and cost efficient and even offer electronic monitoring in order to routinely test the performance of the filtration system.

LABORATORY FUME HOODS

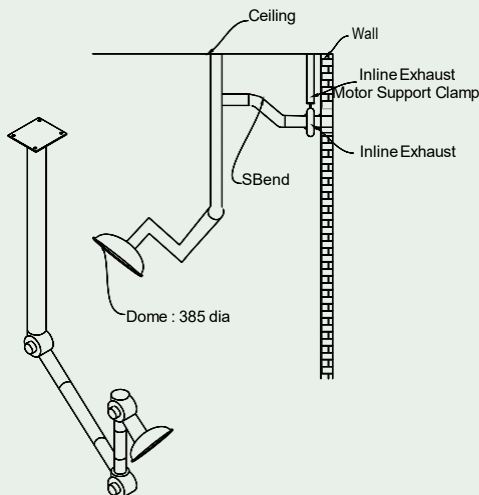
# FUME HOODS

## CANOPY FUME HOOD & SPOT EXTRACTOR

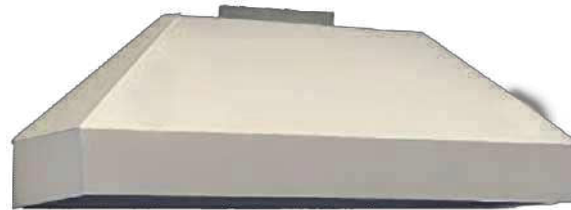
MCFH3215 - (3 x 2 x 1.5 feet)  
 MCFH4215 - (4 x 2 x 1.5 feet)  
 MCFH5215 - (5 x 2 x 1.5 feet)  
 MCFH6215 - (6 x 2 x 1.5 feet)



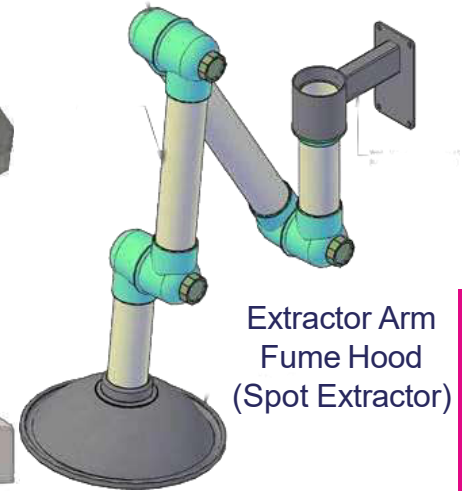
SPE150075 - (1500mm X 75mm)  
 Wall Mounted / Ceiling Mounted  
 300mm long / 500mm long / 1000mm long  
 / 1200mm long / 1500mm long



Stainless Steel  
Canopy hood



Galvanized Iron  
Canopy hood



Extractor Arm  
Fume Hood  
(Spot Extractor)

**Canopy Fume Hoods** are designed to vent non-toxic materials such as heat, steam and odors from large or bulky apparatus such as ovens, steam baths and autoclaves. Our canopy hoods are either wall-mounted or suspended from the ceiling; some have a built-in baffle to increase air velocities and enhance the overall capture efficiency. Most canopies are off-white epoxy-coated steel. While there are standard sizes for canopy fume hoods, your hood can be fabricated to your specific size requirements. Skybound labs canopy fume hoods are usually made from epoxy-coated steel, but we can also make them using stainless steel T304 or T316 for more demanding environments.

**Extractor Arm Fume Hoods** are primarily used for local fumes, odors and air streams. The size of the arm is determined by the airflow that you need. Our extractor arms feature a versatile bench, ceiling or wall mounting capability so you can place the arm where it suits you best. From self-assembly kits to tailor-made solutions, our arms are available in self-assembly kits, which include a fan, table bracket and connectors. The kit provides a quick and convenient solution for creating a fume-free workplace.

# FUME HOODS

## WALK-IN FUME HOOD

Floor-mounted fume hoods or walk in fume hoods shield the user from the gases and vapors produced by floor-standing or large equipment that wouldn't fit in a conventional table top fume hood arrangement. They are made to extend to the floor surface in order to create a complete seal for your workspace.

These hoods usually have counter-weighted vertical or horizontal sashes enabling one-finger operation. A wide range of sizes and dimensions are available to accommodate any laboratory area.

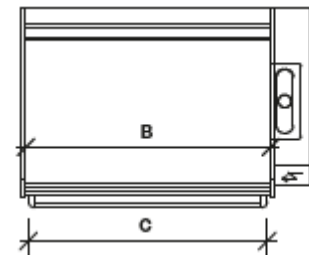
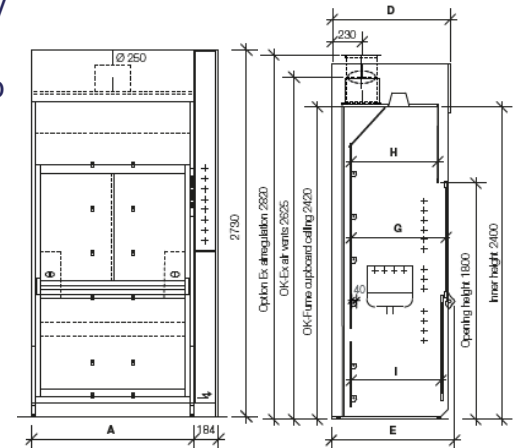
These hoods are available in both ducted and ductless configurations. Sashes could be designed vertically rising or horizontally sliding, depending on the size of the fume hood and the functionality required by the customer. These sashes allow one to roll in large equipment or portable workstations. This allows the hood to be used for different processes when one isn't already underway.

It is worthwhile to note that isolating the emission workspace within the lab work area itself, these hoods minimize expenses and logistics vastly.

### PRODUCT ADVANTAGES

- Effective hazardous lab fume ventilation.
- Excellent for labs and workshops with huge equipment, drum storage, and a dust/particulate producing environment.
- Can support attachments and devices.
- Customizable to fulfill specific laboratory demands and applications.

Grid width	A	1200	1500	1800
Interior width	B	1160	1460	1760
Opening Width	C	1140	1440	1740
Fumehooddepth	D	910	1070	1270
TotalDepth	E	910	1070	1270
Usable depth in area of front Sash	G	710	870	1070
Usable depth in area of skirting	H	650	810	1010
Usable depth in area of telescopesash	I	680	840	1040



LABORATORY FUME HOODS



# FUME HOODS

## CONTINUOUS SERIAL FUME HOOD

Serial fume-hoods are special application fume hoods that share ducting and exhaust motor for fume collection mechanisms. This saves workspace and energy usage. Caution must be exercised in the chemicals that are used within the same series of hoods to prevent cross reaction inside the ducts and motors.



### PRODUCTLABDESIGNGUIDE

- Laboratories with fume hoods must be designed to have no re-circulation of air to that lab or any other spaces.
- Re-circulation of lab air will result in indoor air quality problems.
- Fume hoods must be located so that persons exiting the lab do not have to pass in front of the hood.
- Potentially dangerous portions of experiments are usually conducted in a fume hood. Many lab fires and explosions originate in fume hoods. A fire or explosion in a fume hood located adjacent to a path of egress could trap someone in a lab. Also, turbulence from passing traffic can adversely affect hood performance.
- There must be two exits from rooms where new fume hoods are to be installed. If this is not feasible, the fume hood must be situated on the side of the room furthest from the door. Note that per the Fire Code, labs greater than 200 ft<sup>2</sup> in area are required to have a second fire exit. In many cases the exit can be into an adjacent room which then exits to outside or an exit corridor.
- A fire or chemical hazard, both of which often start in a fume hood, can render an exit impassable. For this reason, all labs with fume hoods are required to maintain two unblocked routes of egress.
- Fume hoods must not be situated directly opposite occupied work stations. Materials splattered or forced out of a hood could seriously injure anyone seated across from it.
- Windows in labs containing fume hoods must be fixed closed. Breezes coming in through open lab windows can adversely affect the proper functioning of a hood. Turbulence caused by these wind currents can easily bring the contaminated air inside the hood out into the lab.

# LAMINAR AIR FLOW

Laminar air flow systems provide a streamlined flow of air to provide protection to the workspace. This prevents contamination of the workspace from the lab environment from dust, particulate matter, etc. This also ensures protection from cross contamination from within the workspace. Laminar air flow systems do not provide significant protection for personnel from possible workspace hazards.

## Floor Standing Model:

Working Size: 3' x 2' x 2'; Overall Size: 1000 x 850 x 1950 mm; Retention particle size 0.3 microns; Noise level: 65 decibel on "A" scale +/- 5; Velocity: 90 feet minute +/- 20; Front door: by 4 mm thick polycarbonate - foldable type; Lamp: UV; Illumination: Fluorescent tube fittings; Pressure: Inclined Manometer 0-50 mm range; Other accessories: 6/16 Amp Power point, Castor Wheels & Power chord; Power supply: 230 V, single phase, 50 Hz

## HEPA Filter:

Media: Ultra clean glass fibre paper; Type: Mini-pleat HEPA filter, Separator less; Overall Size: 900 x 600 mm; Retention: 0.3 Micron with a Max. 25 mm WG; Efficiency: 99.98% / Grade H13 rating.

Colour combination of IVORY fronts contrasting for aesthetic appeal by powder coating technique.

Blower assembly: Outer rotor type blower system, which consists of dynamically & statically balanced aluminium centrifugal impeller driven by a single phase motor, enclosed in an PU coated GI casting directly connected to the filter chamber.



# BIOSAFETY CABINET

Skybound Bio-safety cabinets provide an all round protection for the bio-sensitive processes undertaken as well as the users involved while also reducing environmental impact. We provide all grades of bio-safety cabinets, with the differences lying in re-circulation exhaust percentages. All grades contain HEPA (high efficiency particulate air) filtration.

Velocity of the airflow to the work-zone creates an ultra clean environment for product and personnel protection, where the remaining exhaust air is discharged out. An air barrier between the operator and the work-zone is maintained by a flow of room air into a full width grille in the work opening.

The barrier air mixes with the laminar air flow air in a sump underneath the work surface, and is exhausted to the outside environment via a HEPA filter and a virus Burn Out unit. To contain potentially hazardous aerosols, negative pressure zones surround all positive pressure zones and filter sealing.

Highly essential for medical and research institutes, these cabinets ensure clean results and zero user impact. The following are the different categories of biosafely cabinets for the customer's reference, to decide which best suits your workflow.

## SIDE-BY-SIDE BSC CLASS COMPARISON

Classes of Biosafety Cabinets	Personnel Protection	Product Protection	Environmental Protection	Use
Class I	Yes Inward air flow through sash opening	No Unfiltered room air is drawn across work surface	Yes Exhaust air is HEPA-filtered	<ul style="list-style-type: none"> <li>Not in use today for bioagents</li> <li>May be used to enclose equipment or procedures with aerosol potential</li> </ul>
Class II A1, A2, B1, B2	Yes Inward air flow through sash opening	Yes By HEPA filtered air drawn down onto work surface & room air kept away	Yes Exhaust air is HEPA-filtered	<ul style="list-style-type: none"> <li>Most common class of BSC used today, esp. Type A2</li> <li>Used to handle specimen material, biological toxins, cell tissue culture, biohazardous agents</li> </ul>
Class III (Glove Box)	Yes Complete containment of interior work area	Yes HEPA filtered air is supplied to work surface; total containment keeps room air out	Yes Exhaust air is double HEPA-filtered	<ul style="list-style-type: none"> <li>Provides the highest level of containment for handling the most dangerous microorganisms</li> </ul>



LABORATORY BIOSAFETY CABINETS

# PORTABLE UNDER BENCH MODULES

These mobile module units with wheels can be used to utilise under table space while leaving the structure of the table itself unaltered. Their portability ensures extended utility over a wide area. Cleaning around the under bench space and implementing and service of resource lines for plumbing, power, etc, is much easier. Highly customizable, you can choose the modules to have drawer, shelves or both- whichever would suit you the best. Stainless steel option available..

## TYPES

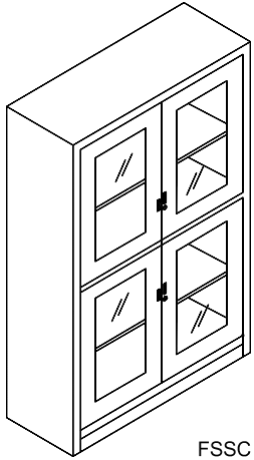
- ⇒ Overhead and Under Bench Shelving
- ⇒ Overhead and Under Bench Cabinets
- ⇒ Stainless Steel cabinets are also available
- ⇒ CPU and Monitor Peripherals
- ⇒ Localized Exhaust Systems
- ⇒ Work Surfaces
- ⇒ Power Modules
- ⇒ Task Lighting
- ⇒ Pegboards

## ADVANTAGES

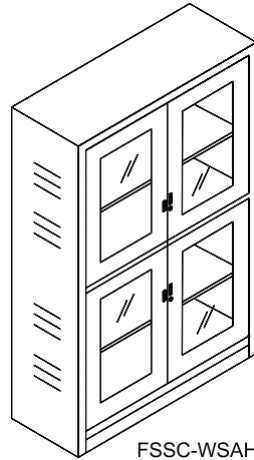
- ⇒ Cost Effectiveness
- ⇒ Re-configuration Options
- ⇒ Total Adaptability to Meet Your Lab's Needs
- ⇒ Designed to Meet Safety Standards
- ⇒ Equipping Your Lab with Modular Furniture
- ⇒ Allows fast and easy re-configuration with minimal disruption
- ⇒ Optimizes your investment in people and technology
- ⇒ Shelves and counter easily adjust in 1" increments
- ⇒ Enables greater productivity and improved ergonomics
- ⇒ Maximizes available floor space
- ⇒ Great for retrofits and renovation projects
- ⇒ Accommodations for facilities such as gas, electricity, plumbing, etc. can be made on- bench overhead and behind-bench



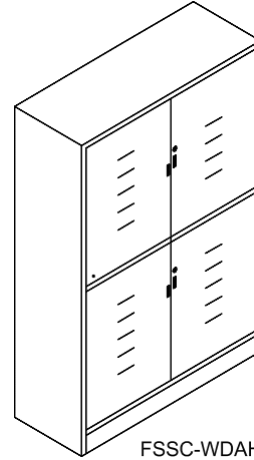
# LAB CUPBOARD MODELS



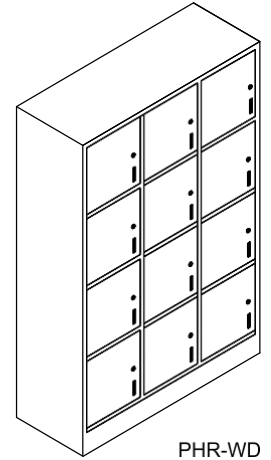
FSSC



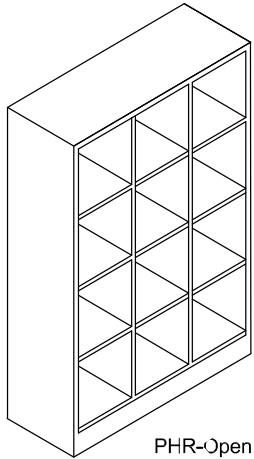
FSSC-WSAH



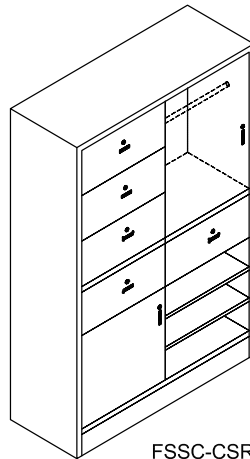
FSSC-WDAH



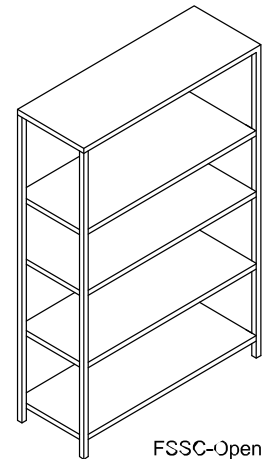
PHR-WD



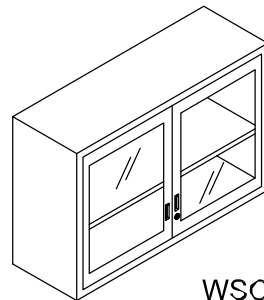
PHR-Open



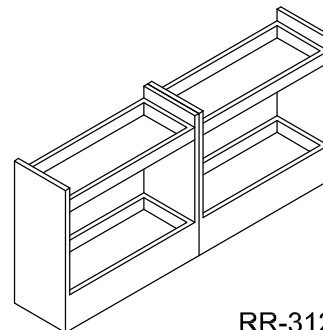
FSSC-CSR



FSSC-Open



WSC



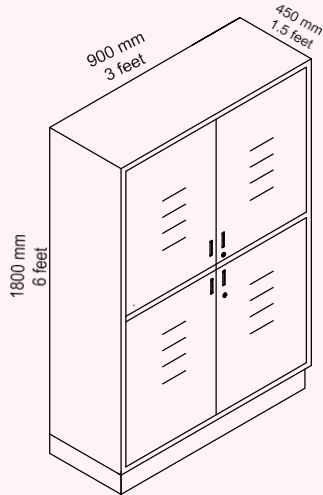
RR-312

STORAGE CUPBOARDS

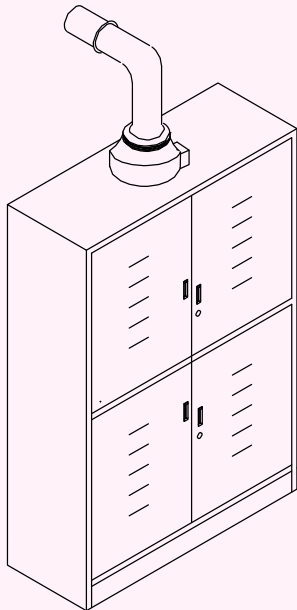
# STORAGE CUPBOARD & RACKS

STORAGE CUPBOARDS

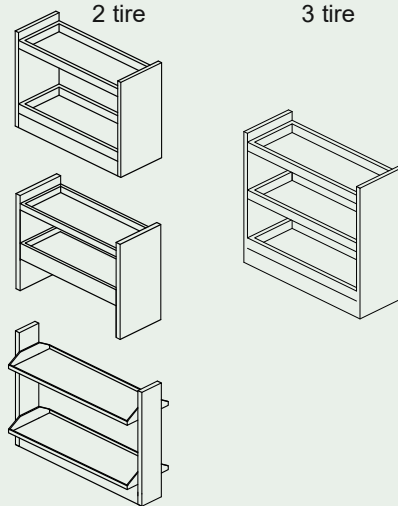
MCSC3155WOD - (3 x 1.5 x 5 feet)  
 MCSC3156WOD - (3 x 1.5 x 6 feet)  
 MCSC3158WOD - (3 x 1.5 x 8 feet)  
 Without Duct (Exhaust)



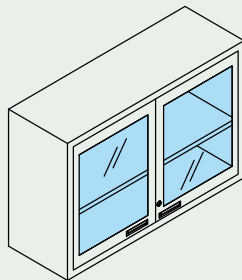
MCSC3155WD - (3 x 1.5 x 5 feet)  
 MCSC3156WD - (3 x 1.5 x 6 feet)  
 MCSC3158WD - (3 x 1.5 x 8 feet)  
 With Duct, Motor and blower (Exhaust)



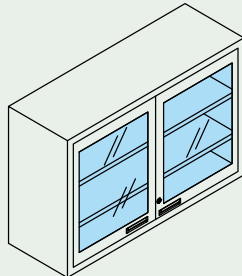
MRR21122T - (2.16 x 0.83 x 2 feet)  
 MRR322T - (3 x 0.83 x 2 feet)  
 MRR211253T - (2.16 x 0.83 x 3 feet)  
 MRR3253T - (3 x 0.83 x 3 feet)



WSC212WGD - (2 x 1 x 2 feet)  
 WSC312WGD - (3 x 1 x 2 feet)  
 Wall Storage Cupboards

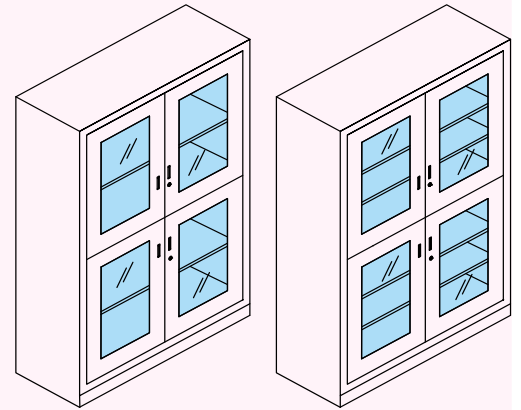


1 plate,  
2 partitions



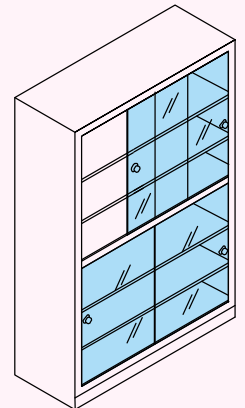
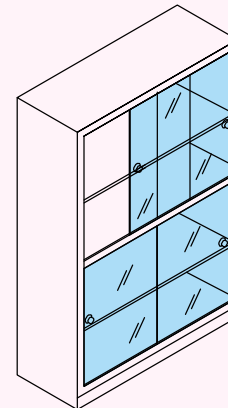
2 plates,  
3 partitions

MFSSC31564GD4P - (3 x 1.5 x 6 feet)  
 MFSSC31564GD6P - (3 x 1.5 x 6 feet)  
 MFSSC41564GD4P - (4 x 1.5 x 6 feet)  
 MFSSC41564GD6P - (4 x 1.5 x 6 feet)  
 MFSSC51564GD4P - (5 x 1.5 x 6 feet)  
 MFSSC51564GD6P - (5 x 1.5 x 6 feet)



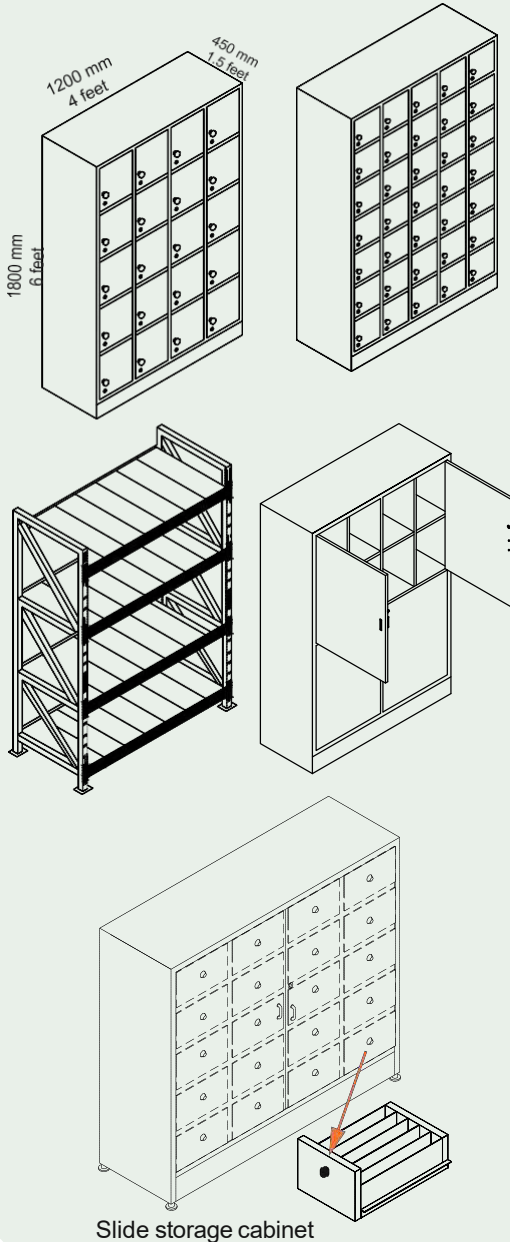
3 plates, 4 Partitions

5 plates, 6 Partitions



# STORAGE CUPBOARD & RACKS

MLSC315615L - (3 x 1.5 x 6 feet)  
 MLSC4156120L - (4 x 1.5 x 6 feet)  
 MLSC5156125L - (5 x 1.5 x 6 feet)



Slide storage cabinet

**Storage cupboards:** An essential requirement in all labs, made from 1mm thick Galvanized Iron (GI) sheets and finished with chemical vapor resistant epoxy powder coating. Custom made for each customer, your storage cupboards will be made with the specific type, size and pattern to best suit your requirements. .

**Floor standing cupboard:** Made up of 1 mm thick Galvanized iron (GI) sheets finished with epoxy powder coating Storage Chambers have three horizontal partitions with glass shutters. The glass shutters will have an aesthetic handles finished with epoxy / polyester powder coating and locking arrangements

**Wall cupboard:** Made up of 1 mm thick Galvanized iron (GI) sheets finished with epoxy powder coating. Storage chambers have one horizontal partitions depending upon your request and usage, with glass shutters. The glass shutters have aesthetic handles finished with epoxy/polyester powder coating and branded locking arrangements.

**Floor standing heavy duty open rack:** Adjustable inner partitions provided which are made up of 1 mm and 2 mm thick Galvanized iron (GI) sheets and completely finished with epoxy/polyester powder coating.

**Reagent storage rack:** Reagent rack for chemistry lab table. Standard two tire reagent rack made up of 1 mm thick Galvanized iron (GI)sheets and finely finished with epoxy/polyester powder coating. Standard dimensions: 650x250x600 mm ht. Non standard, customized sizes can also be made.

**Chemical Storage Cupboard with an exhaust system:** Made up of 1 mm thick electro-Galvanized (Gi) iron sheets finished with epoxy/polyester powder coating. Entire inner side is lined with PP sheet to protect the surface from corrosive vapors. Required fixed inner partitions will be provided as per customers' requirements. Shutters will be provided with air vent and PP sheet lining. Shutters are made up of mm thick Galvanized iron sheets finished with epoxy/polyester powder coating. Handles and locking arrangements are provided. Ducting with an inline exhaust motor can be provided based on your requirements.

STORAGE CUPBOARDS

# CHEMICAL STORAGE CUPBOARDS

Skybound

Lab Furniture | Fume Hood | Laminar Airflow | Storage Cupboard  
We are there when you need us!





Made of 20 Gauge G.I. Electro-Galvanized sheets finished with epoxy powder coating. Storage Chamber will have 1 fixed horizontal partition with 4 shutters.

The Inner skin is 3mm thick. PP construction sheet on shelves. It will increase chemical resistance and it is exclusively formulated to resist the acids, bases, and solvents often used in laboratories. Special arrangement for ventilation.

Duct damper in PVC / PP construction. The Shutters will be provided with air vents and aesthetic handles finished with epoxy powder coating and branded locking arrangements.

 Long-Lasting  
No more rust! Ideal for corrosive chemicals.

 Safer  
Integrated sumps to contain spillages (sumps can be made to any capacity).

 100% Customisable  
Designed to suit your application and lab to maximise storage and lab space.

 EasyToClean  
Premium polypropylene has ultra-low surface tension to resist staining.



Flammable Storage Cupboard



# STAINLESS STEEL LAB FURNITURE

Our highest quality brushed satin stainless steel range of products are your best choice for applications in clean rooms, Quality analysis labs, Quality control labs, and research and development labs.

Skybound stainless steel sinks are durable, don't rust or corrode and perform for years of intense usage. We supply stainless steel wash basins and sinks in conjunction with stainless steel worktops, cabinets, shelving and trolleys, including stainless steel mirrors.

Base cabinets, wall cabinets, drawer cabinets, crossover benches and tall cabinets are customized to perfectly fit customer needs. Doors are either plain with stainless steel 'D' handles or for use with hardware; with continuous recessed handles (vertical or horizontal); or with back-slope edges. The units are strong and durable, but also aesthetically pleasing, with a clean and professional appearance.

We offer a wide range of bespoke products all manufactured from high quality 304 / 316 / 316L grade stainless steel. Customer focused design and product customization ensures the perfect fit for your laboratory, which is highly necessary for products like pass-boxes where precision of fit is important.

## Complete SS 304/316/316L grade laboratory furniture



SSTOP-CRtube  
foldable furniture



SSTOP - Underbench  
GI Modular Furniture

# STAINLESS STEEL LAB FURNITURE

STAINLESS STEEL LAB FURNITURE



Pass Box



Sink Unit



Cross Over Bench



Storage Cupboard



Locker Cupboard



Fume hood



Trolley with handle



Trolley



Trolley with steps

# LAB FURNITURE COUNTER TOPS

**GRANITE:** Harder than most common materials, they are scratch and chipping resistant and resilient to regular wear and tear. Having high compressive strength, higher load bearing capabilities are exhibited. Ultrasonic gauge tested, each piece is exclusively screened for micro-cracks. Our granite counter-tops are sealed with epoxy impregnation, and are surface deactivated.

**SCRATCHING & CHIPPING RESISTANT; GRANITE IS EASY TO CLEAN; HIGH AFFORDABILITY; NATURAL STONE; EACH GRANITE SLAB IS UNIQUE; SEALED RESISTANT TO HEAT, STAINS AND MOISTURE; GRANITE COUNTERS ARE PERFECTLY FLAT; VERY USER FRIENDLY; ADDS AESTHETIC PROFESSIONALISM TO YOUR LABORATORY; MANY COLOUR OPTIONS.**

**EPOXY:** Epoxy Counter tops can hold up to just about anything you will do in your lab. The product is a solid homogeneous material throughout, meaning that the outside colour exists all the way through the entire product. Epoxy counter tops are heavy-duty and nearly indestructible.

**PHENOLIC RESIN:** Phenolic Resin counter tops might be used in the biological, chemical, clinical or analytic laboratory setting. It is available in three finishes: white, silver-grey, and black.

**STAINLESS STEEL:** Stainless steel counter tops are known for their beauty and light reflection. They give your lab a uniform look, with sinks, companion shelving, and backsplashes available. Best used in pharmaceutical labs, food testing, hospital, medical or chemical labs.



Granite



Epoxy Resin

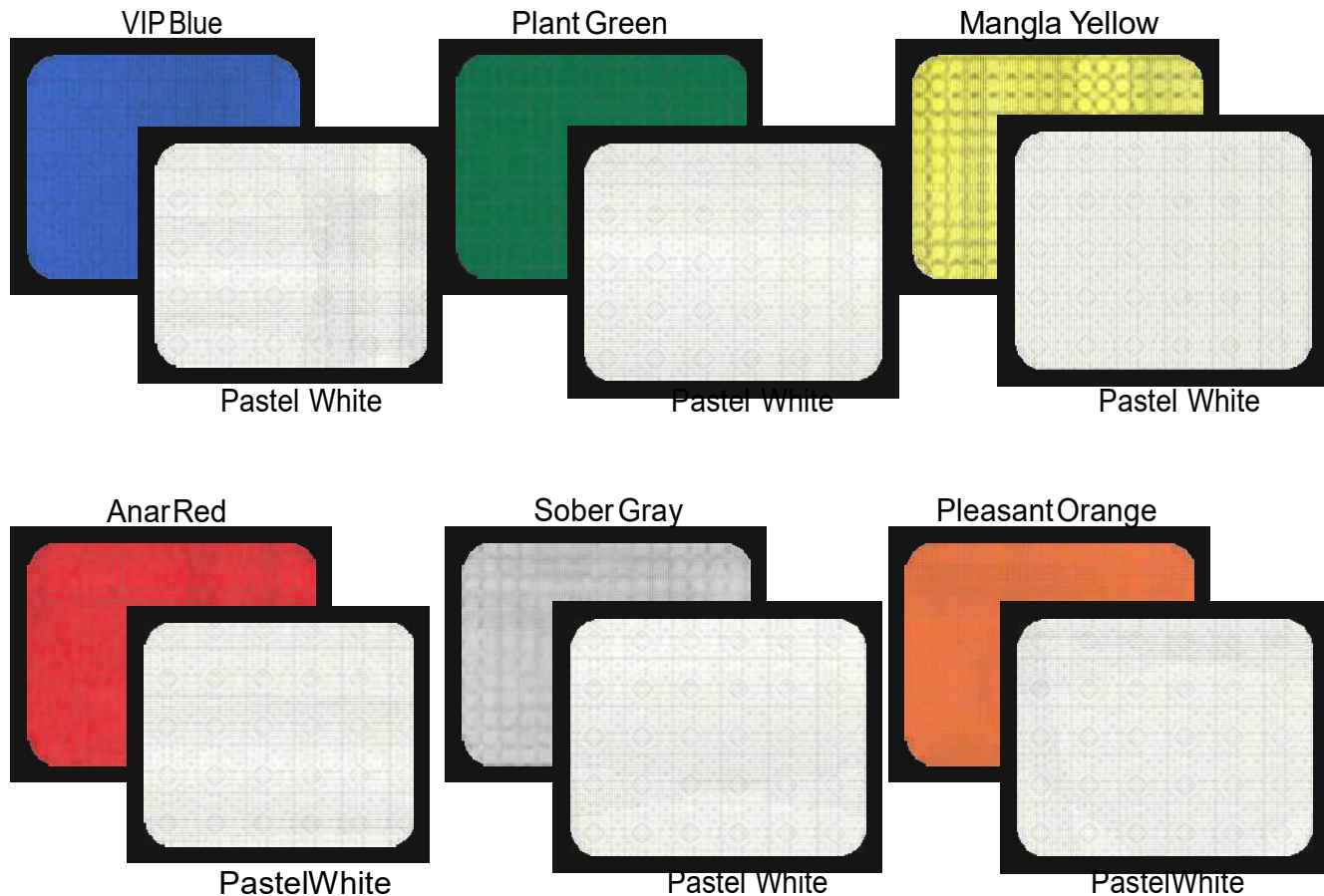


Phenolic Resin



Stainless Steel

# STANDARD COLOUR COMBINATIONS AND SHADES



Important Note: Due to printing tolerance, lighting, and colour theory, the colours represented here may differ from what the real colours would appear like in your lab.

Colour shade cards are given prior to colour confirmation or on request.

# LAB FURNITURE MAINTENANCE

## DOs

- Cleanup liquid and dry spills immediately.
- Protect the feet of lab apparatus with rubber, felt or a protective pad.
- Place a trivet under all hot containers and components.
- Extinguish all flames on the work surface.
- Apply a thin coat of finish oil or Murphy's oil periodically on granite work top surfaces.
- Educate all users for the proper care of work surfaces/tops.



## DONTs

- Do not drag items across the surface.
- Do not cut, chop or strike items directly on the surface.
- Do not drop items onto the surface.
- Do not use abrasive sandpaper or metallic scouring pads on work surfaces or sinks.
- Do not store chairs on the work surface without a protective covering such as cardboard.
- Do not melt dry ice with hot water directly on the surface or in the sink as the thermal shock may break the joints or cause the sink to fracture.
- Do not wax the surface (or use polish containing wax).

## Work top cleaning

Clean the table surfaces using a general purpose detergent and warm water. After each cleaning, wipe with a clean, dry cloth. Clean the work tops according to a regular schedule, with spot cleaning as needed. Sand surfaces carefully when appropriate. Use the right cleaning methods and products. Use appropriate finishing agents.

## Under bench module cleaning

Clean under bench modules with clean cloth soaked with distilled water followed by wiping with a dry clean cloth.

Do not use any cleaning agents.

## BASIC LAB SAFETY RULES

Know emergency exit routes. Avoid skin and eye contact with any chemicals. Minimize all chemical exposures.

Assume that all chemicals of unknown toxicity are highly toxic.

Avoid distracting or startling persons working in the laboratory.

Combine reagents in their appropriate order, such as adding acid to water.

Do not taste or intentionally sniff chemicals. Never consume or store food and beverages. Never apply cosmetics in the lab.

Wash the exposed areas of the skin prior to leaving the laboratory.

Long hair and loose clothing must be pulled back and tied.

Lab safety goggles and gloves should be worn in chemistry lab.

Avoid wearing jewellery in the lab as this can pose multiple safety hazards.

Clothing made of synthetic fibres should not be worn while working in lab

