

EchoSwift

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Your Total Solution in Laboratory Furniture & Accessories

EchoSwift

EchoSwift Sdn Bhd is a customized laboratory technologies from various advance countries designed to keep with the latest development in laboratory application abreast.

The system is engineered based on proven design to become the benchmark in science laboratories.

With expertise in:

- Planning, design and installation laboratory furniture.
- Design, supply and install Fume Hood, Canopy Hood, Fume extraction and Chemical Storage Cabinet to comply with USECHH 2000 Regulation.

Others:

- Service and testing Fume Hood or all Local Exhaust Ventilation (LEV)
- General Exhaust Ventilation (GEV)
- Design and supply HVAC System for laboratory
- CHRA, Chemical Monitoring and Indoor Air Quality (IAQ)

Call us, for appointment with our marketing consultant today.



C and H - Frame



This system is predominantly used where hygiene is of paramount importance. It makes the under-unit cleaning simple and straightforward. The frame with horizontal "C" and "G" like channel is strong enough to withstand heavy loading which is typical of today's laboratory. Panel clips allow dismantling the panels for easy maintenance.



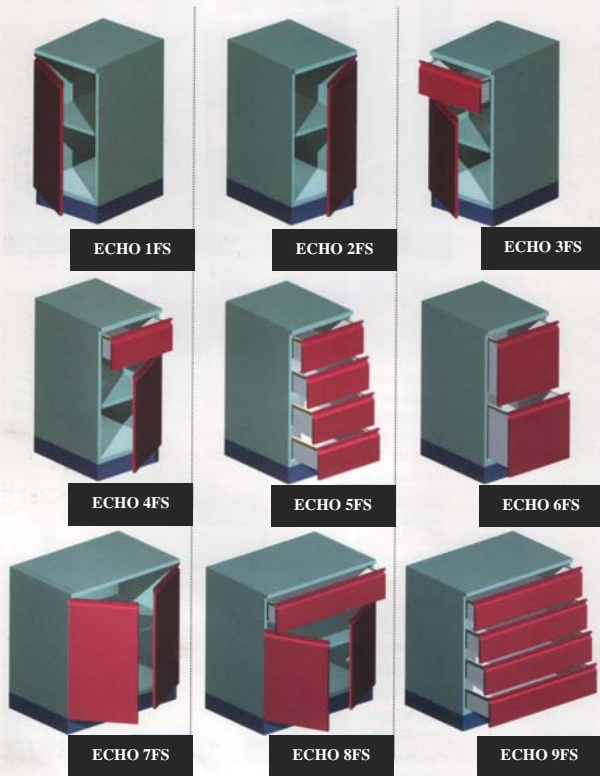
Cantilevered



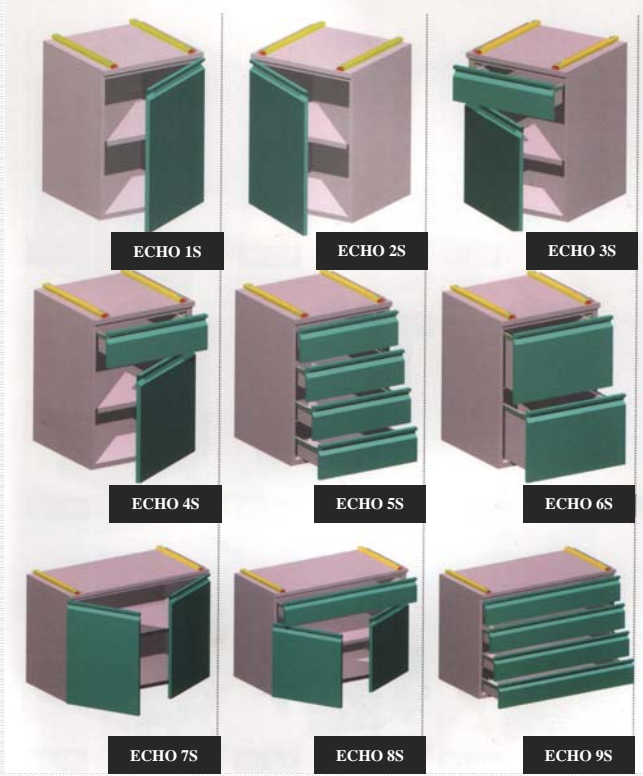
This system is designed as an alternative to the C-frame system, which makes under bench cleaning hassle free. This system incorporates flexibility in assembling overhead cabinet to the structure. It can be used together with either suspended or mobile cabinet. The island bench cantilevered system is a free standing structure which is anchored to the floor. It provides the necessary support for cantilevered work surface and storage unit.



Free Standing



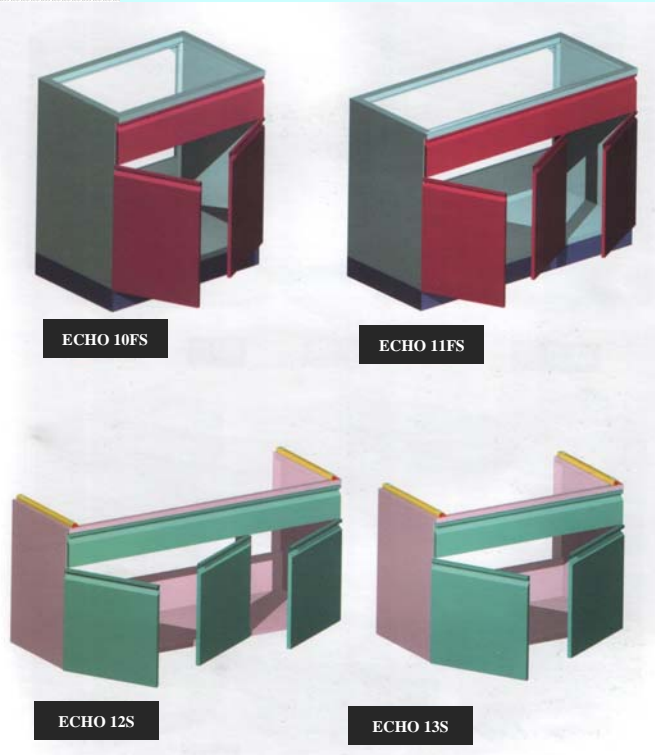
Suspended



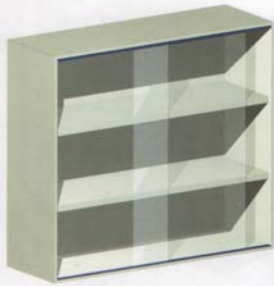
Mobile



Free Standing & Suspended



Wall Hanged



ECHO 1WH



ECHO 2WH



ECHO 3WH



ECHO 4WH

Full Height



ECHO 1FH



ECHO 2FH



ECHO 3FH



ECHO 4FH



ECHO 5FH



ECHO 6FH

M & E Service Duct

Media Module



Overhead Service Boom



The Overhead Service Boom is designed to

Range Of Worktop



The correct worktop to be selected depends on the usage intended for the laboratory area. The following factors are important when considering the correct worktop to be used:

- Level of chemical resistance required
- Degree of impact and abrasion resistance needed
- Estimated loading weight and type of instrument to be used
- Whether 'wet' or 'dry' services involved, including need for 'bundled' work surfaces to contain spillage
- Level of heat resistance required
- Worktop color requirement
- Special application

Reagent Shelf



Double-Tier Open Reagent Shelf with Build in Guard-Rail

Our Reagent shelf is constructed from electrogalvanised sheet with special features which include corrosion and chemical resistant characteristics. The guard rail hold chemical reagent bottles in its place, to ensure a more organized working space for lab user.

Double-Tier Reagent Shelf with Glass Sliding Door

The glass sliding door on reagent shelf makes viewing of chemical and reagent bottle easier. Reagent shelf could either be on wall benches or on the island benches.



Reagent Shelf



Overhead Service Spine Combined with Table Mounted Service Outlet

The overhead service spine and the table mounted service outlet provide more organized working environment. There is a choice of several configurations, all of which optimize the use of available space.

Table Top Storage and Service Compartment

This is most suitable for laboratories which require all working items within reach each time an experiment is conducted. The available storage area enables various items to be stored in an orderly fashion.



Double-Tier Open Shelf Sits on "S-Slim" Horizontal Service Column Mounted on Island Bench

The system enables access to various services from both sides of the bench. Typical features include variety of service outlets within reach. It is ergonomically designed for the convenience of laboratory operator.



Combined Storage Compartment Sits On "S-Slim" Horizontal Service Column

Various type of storage compartment for your selection to meet your various laboratory requirements.



ACRYLIC SINK

Solid, non-porous and inert, acrylic top is not readily affected by most common chemicals. It will not harbour dirt, absorb moisture or support microbial growth because acrylic top surface is impermeable to liquid and the joints are inconspicuous. It is sensible material for use in areas like operating theatres or blood bank that require strict hygiene standards and clinical cleanliness.



Overhead Service Boom

Industrial ceramic sink provide against high temperature and can be easily cleaned without causing unnecessary scratch.



Cast Epoxy

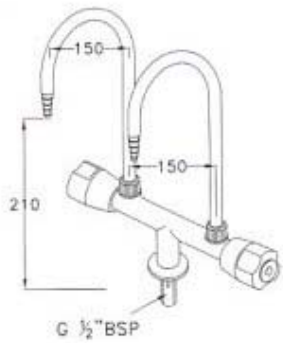
Moulded from epoxy resin. There are no laminates to bubble and crack, and no porosity to allow liquid penetration. It is highly resistant to reaction with acids or other laboratory chemicals. It is also highly heat resistant, preventing cracking and blistering under extreme temperature conditions. The hardness is comparable to stone, but without stones inherent inconsistency and porosity.



Polypropylene

Polypropylene sink is highly resistant to chemical attack and rigid over a wide range of temperature.

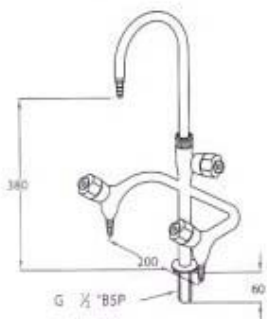
Water Taps



BM 105-3B1 2 Way Dual Neck Water Faucet.
Bench Mount, Swivel Necks & Fixed Nozzle

BM 105-3B2 As above but with Removable Nozzle

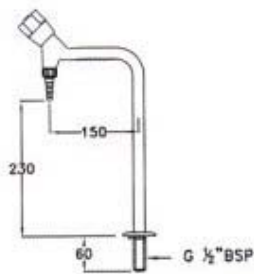
Weight : 1.75 kg



BM 106-5B1 3 Way Water Faucet.
Bench Mount, Swivel Neck & Fixed Nozzle

BM 106-5B2 As above but with Removable Nozzle

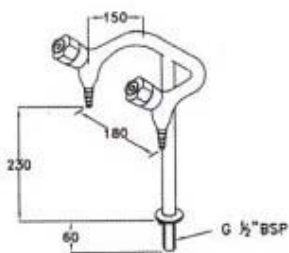
Weight : 2.18 kg



BM 109-3B1 1 Way Pillar Water Faucet.
Bench Mount & Fixed Nozzle.

BM 109-3B2 As above but with Removable Nozzle

Weight : 0.80 kg

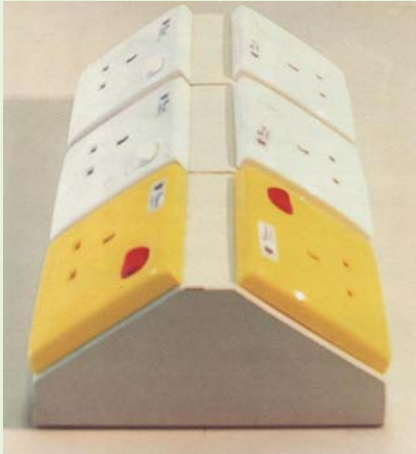


BM 110-3B1 2 Way Pillar Water Faucet.
Bench Mount & Fixed Nozzle.

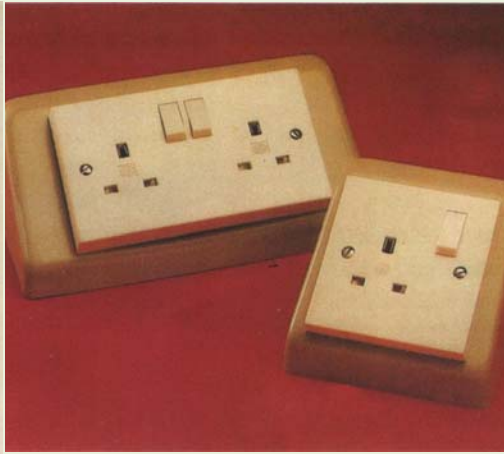
BM 110-3B2 As above but with Removable Nozzle

Weight : 1.45 kg

Mechanical & Electrical Fittings



Normal supply "White" switch socket outlet and essential supply "Yellow" switch socket outlet 13amp mounted on the oven baked epoxy coated metal clad.



The polypropylene resin is mixture blended to provide maximum resistance to laboratory chemical waste product.

Laboratory Stool



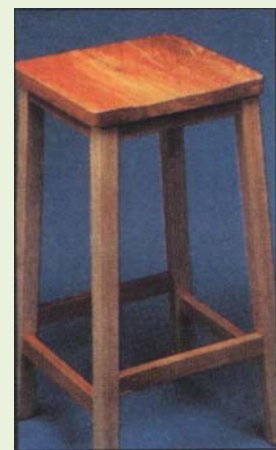
CH-492

Swivel chair with back and arm rest complete with height adjustment.



CH-710E

Swivel chair with back rest and height adjustment.



Wooden chair.

Emergency Shower

Accidents do happen in real life which cause acute pain, disablement or even loss of lives to those involved. Some of the accidents may required the injured person to be treated with water immediately. This is why emergency shower is important where small investment can avoid human tragedies and loss of life.

The emergency showers should be placed as close as possible to the work place preferably accessible within 5 seconds from the time of the accident.



A combined emergency shower and eyewash in one unit complete with rigid plastic pull rod operate and foot treadle operate respectively.



A horizontal wall supply unit gives an outstanding performance like other drench shower.



A simple handheld spray unit mounted on bench tops for emergency cleansing of eyes and face.



A wall-mounted eyewash works quickly with a simple push of its highly visible handle.

FUME HOOD ECHO General Purpose

www.echoswift.com



Electro-galvanised steel Fume Cupboard

Fibre Reinforced Polyester Fume Cupboard



-HEALTH AND HYGIENE IN WORKPLACE ENVIRONMENT-



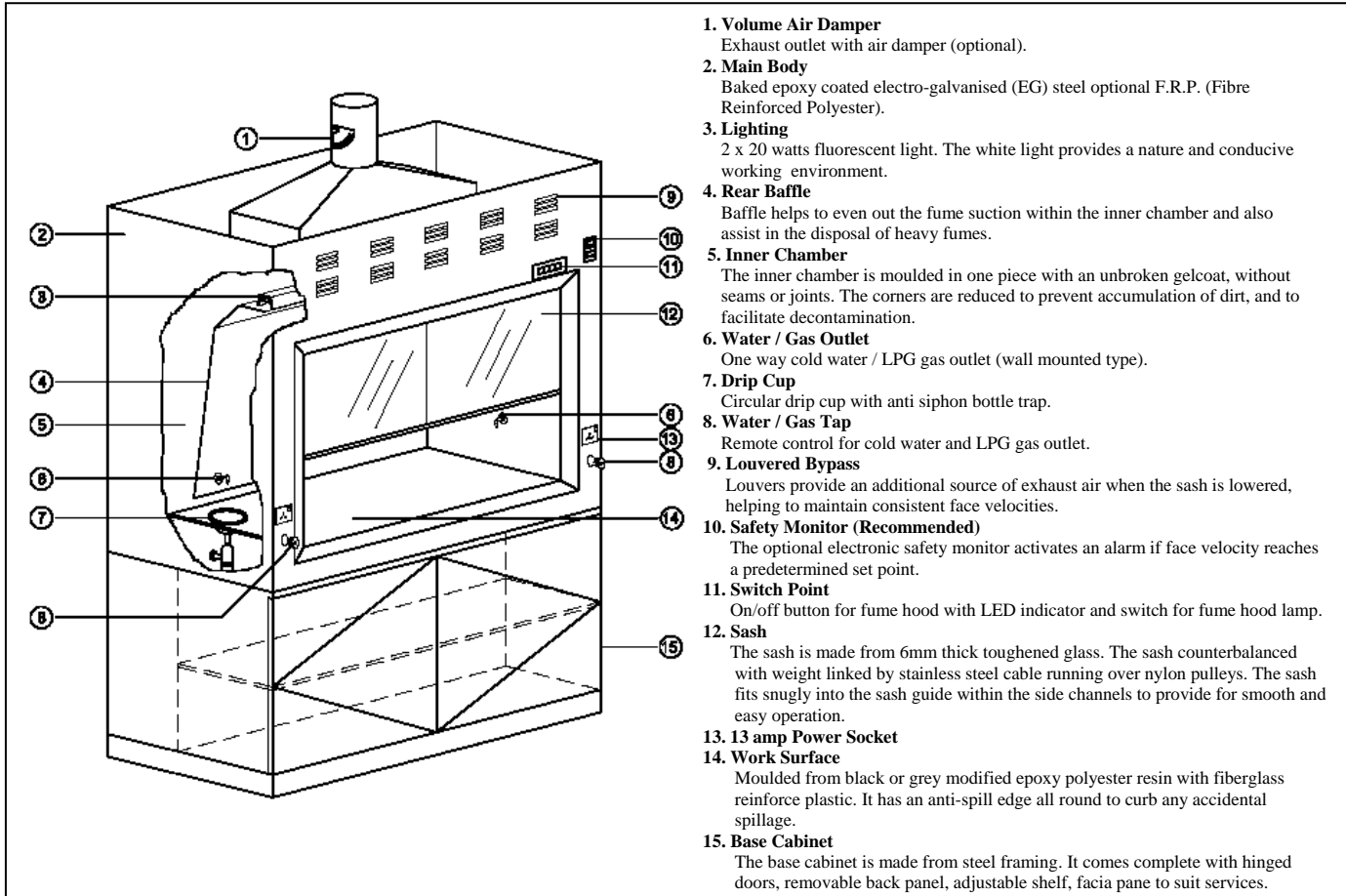


ECHO

LEV Compliance
USECHH 2000 Reg.

The Echoswift supplies fume hood for all applications and conditions. Ease of use, maintenance and installation. The **ECHO** Fume Hood is designed to give a very high degree of protection and safety environment to users from harmful, toxic or hazardous.

Ergonomic features, like taller sight lines, a crush-resistant sill airfoil, and a wire chace that keeps cords out of your way. Safety features that are far above the industry standard – including higher-rated safety glass, thicker liner board, and consistent airflow delivery for the life of the hood. **ECHO** Fume hood are designed to comply with Section 66 of the OSHA 1994 (Act 514) under USECHH 2000 Regulation.



SPECIFICATION	MODEL		
Description	ECHO 1.2 GP	ECHO 1.5 GP	ECHO 1.8 GP
Dimension (W x D x H) mm	1200 x 760 x 2400	1500 x 760 x 2400	1800 x 760 x 2400
Internal Dim. (W x D x H) mm	950 x 610 x 1500	1250 x 610 x 1500	1550 x 610 x 1500
Construction	Main Body: Baked epoxy coated electro-galvanized (EG) steel Inner Chamber: Fire-retardant F.R.P. (Fiber Reinforced Polyester) Work Surface: Epoxy polyester resin Sash: Tempered glass, 6mm thickness (toughened glass) Base cabinet: Baked epoxy coated electro-galvanized (EG) steel		
Service Fixtures	Drip cup made of polypropylene (PP) 1 unit gas fixture 1 unit water fixture 2 units 13 Amp electrical socket outlet		
Lighting	2 x 20 watts Soft fluorescent light for interior illumination		
Optional	Centrifugal Fan/ Blower 3 or 1phase (FRP, P.P, etc.) Remote baffle control Volume air control/ Damper (PVC)		

Our skillful team could design and install to comply with our standard (USECHH 2000 Regulation)

Fan / Blower



FRP Fan



P.P fan



Belt Driven

Accessories



Impeller (P.P)



Motor

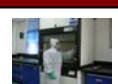


Gas Phase Filter

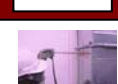
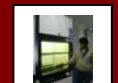


Remote Baffle Control

Service



Testing





Fume Hood Scrubber System



Centrifugal fan & stack



Elephant Trunk



Canopy Hood





Analysis Lab. UMP



Biotech Lab. UMP



Biotech Lab. UMP



Analysis Lab. TATiUC



Alam Sekitar Lab.



Biotech Lab. UM



Analysis Lab. UMP



Biotech Lab. UMP



Biotech Lab. UMP



Export Terminal (Petronas Gas)



Hospital Sultan Ismail (J.B.)



Hospital Machang





Matrikulasi Gambang



MRSM



UMT



Gas Chromatography Bench



Balance Table



Lab. Cabin (Perodua Rawang)



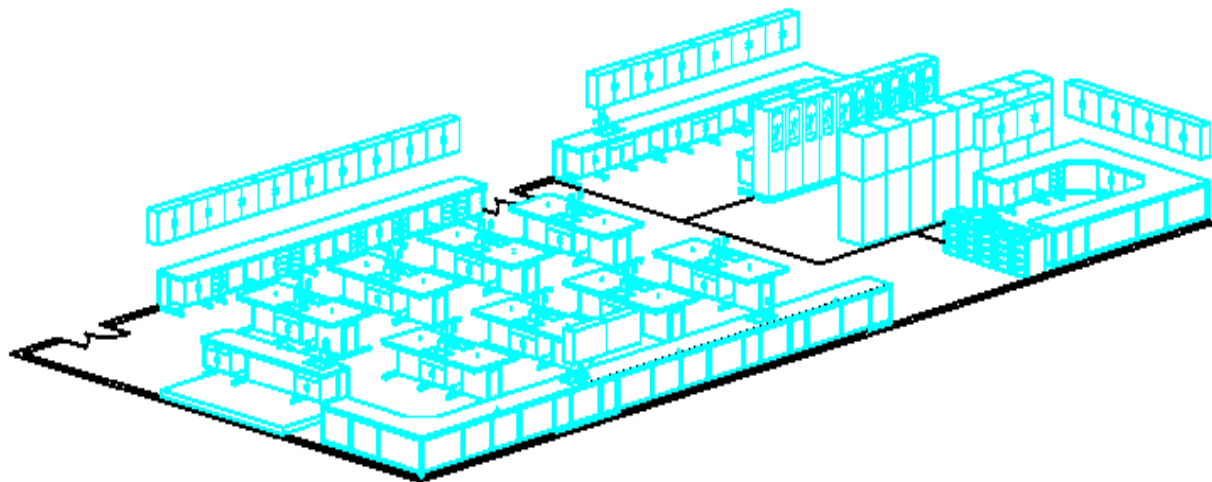
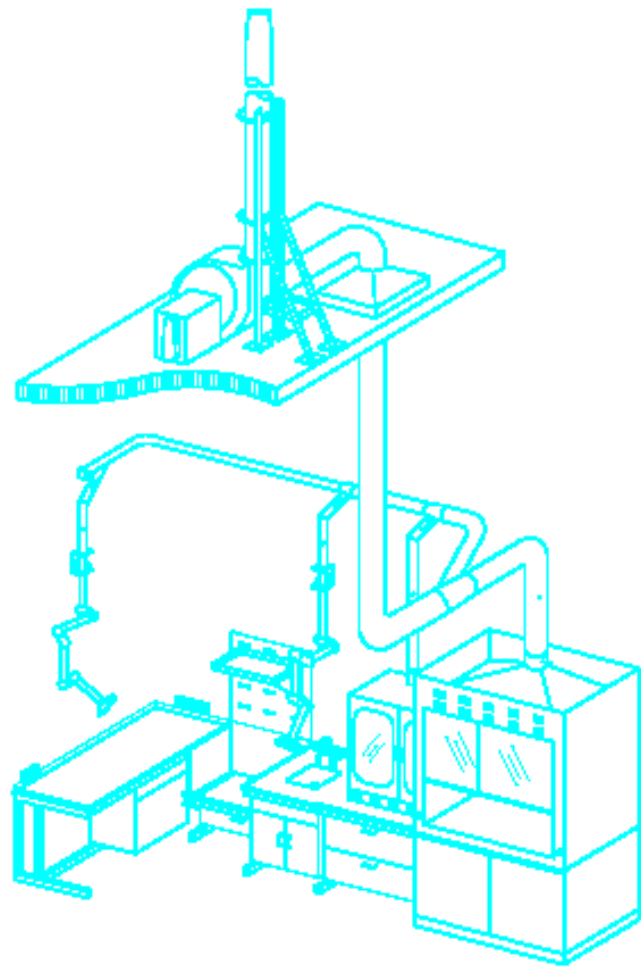
Lab. Cabin (Perodua Rawang)



Sek. Men. Gudang Rasau, Kuantan



Makmal Bahasa UiTM



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