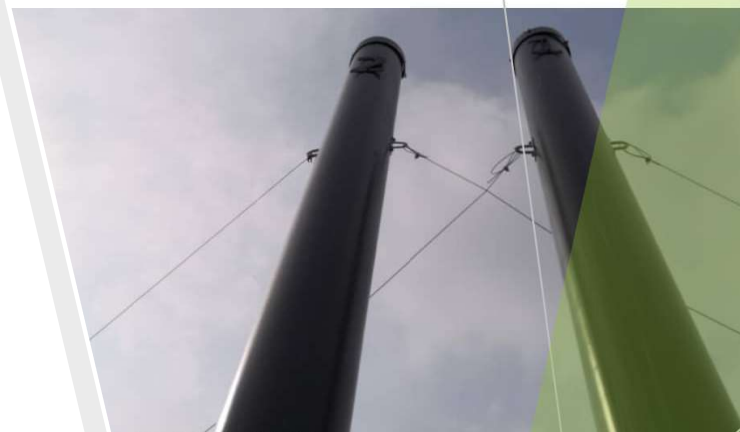


CATALOG

Solutions to Laboratory Set-up by
Meeting Today's Standard



**SAFEMAC
SOLUTIONS**



INTRODUCTION

Safemac Solutions Sdn Bhd is a Malaysian registered company that carries cutting edge technology scientific products. Established in 2010, being one of the business units under the **Safemac Group of Companies**, Safemac Solutions successfully developed its solid platform in various industries.

SAFEMAC SOLUTIONS is a leading one-stop laboratory design and facility setup provider.

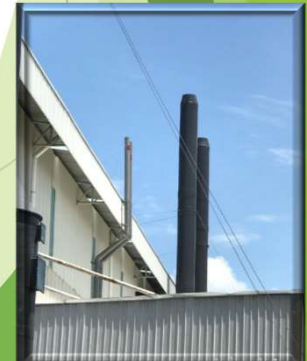
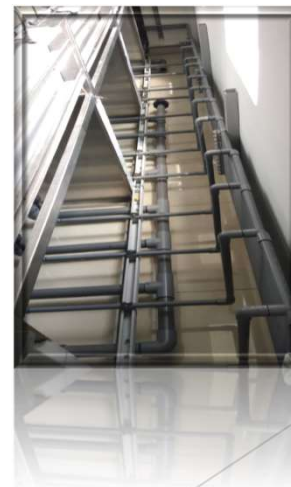
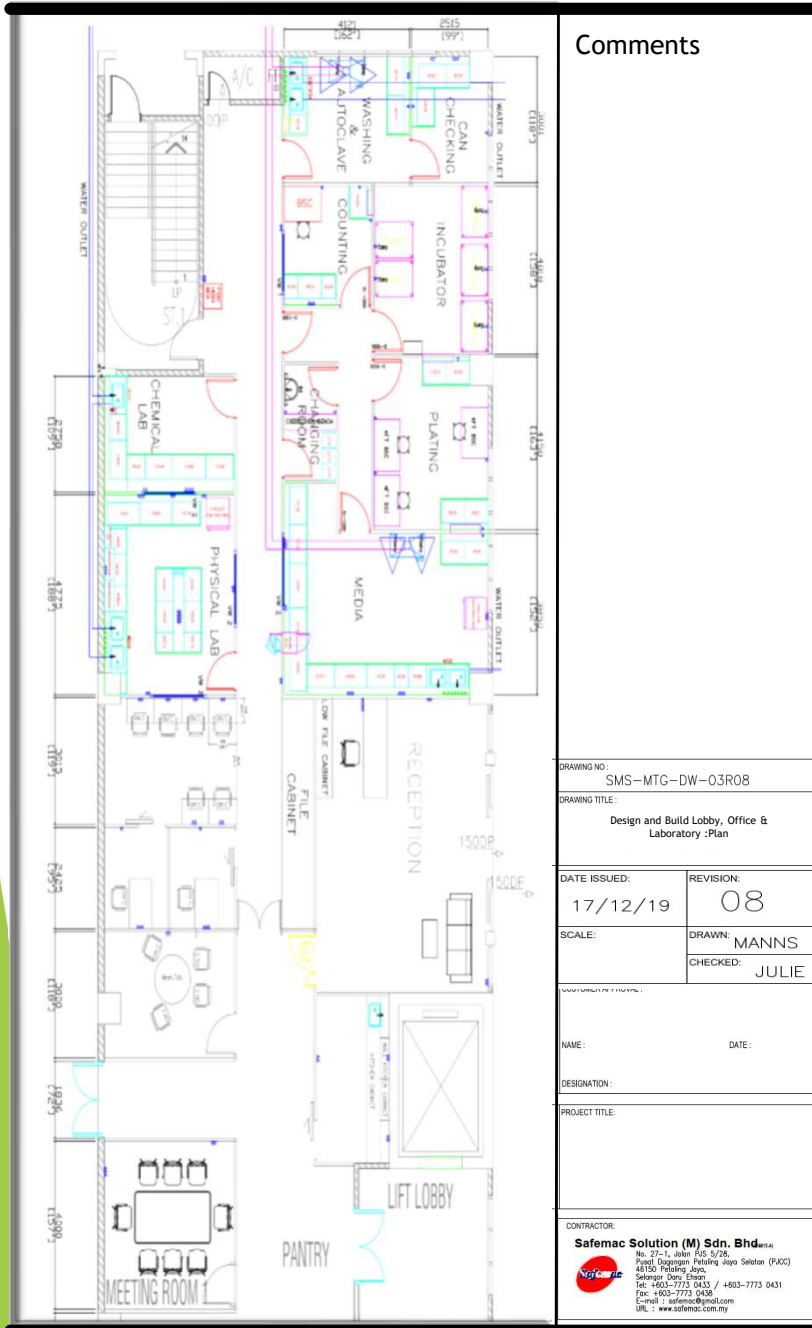
SAFEMAC SOLUTIONS provides comprehensive laboratory facility design, renovation, laboratory furniture, products & speciality cabinets meeting today's demanding market of Laboratory solution.

Our design includes Chemical, Microbiology, Food & Beverages, Oil & Gas, Utilities, Biosafety Lab Grade, Clean Room facilities – Learn more from our design team.

Design & Installation Services for Local Exhaust Ventilation

We will design, supply, install and commission your LEV system from initial concept through to final completion with our experience within the industry. Our installation teams are experience in installing all types of industrial & laboratory ventilation equipment. LEV testing & Services are also available

Solutions for Laboratory Set-up



OUR PRODUCT RANGE

- **Laboratory Furniture** **Page 5**

- - Pedestal
- - C Frame
- - Mobile
- - Custom
- - Clean Room Furniture
- - Cabin Laboratory

- **Local Exhaust Ventilation** **Page 11**

- Fume cupboard
- Extraction Arm System
- Custom Made Exhaust Hood
- Testing & Services

- **Speciality Cabinets** **Page 16**

- Fume Cupboard
- Chemical Storage Cabinet
- Laminar Flow
- Biosafety Cabinet
- Gas Tank Cabinet

- **Safety Equipment** **Page 21**

- Safety Shower
- Hand-held Eye-wash station
- Portable Eye wash Station
- Fire Blanket
- Fire Extinguisher
- Fire Alarm System
- Safety signage

- **Utilities** **Page 24**

- Electrical bracket
- Service Riser
- Custom Sink
- Bin
- Laboratory Stool
- Reagent Rack
- Balance Table

- **Table Top** **Page 29**

- Epoxy
- Phenolic
- Stainless Steel
- Granite



Solutions to Laboratory Set-up by
Meeting Today's Standard

Laboratory Furniture Standard & Custom



**SAFEMAC
SOLUTIONS**



Steel Workstation Specification

Our metal cabinet are design and constructed from cold-rolled steel re-inforced, can be installed easily and can be re configured. All exposed cabinet surface are finished with epoxy coating for excellent chemical resistance.

Client can select a variety of selection from ;-

Pedestal

Free standing

Modular system

C Frame

Base cabinets are available in different colours of choice, doors, drawer fronts are factory installed to ensure product quality are maintain. Customer can also have the option to select type of handle for doors & drawer to suite their laboratory design.

Feastures :-

- Made of 1mm thick Electro-galvanise metal
- Removal Back Panel for easy services
- 1mm thick EG Epoxy EG Powder Coated Steel Body Structure
- Door flush with Super structure Frame
- Stainless 75mm 5 knuckle Hinges
- Roller Door Catch
- Door and Drawer Heads are “Double Pan” Construction and Sound Deadened
- Black Rubber skirting
- Heavi Duty Solid Steel Raceway 9rail) with nylon Tired Ball bearing Roller
- 2mm thick steel platform for adjustable leg mounting



Pedestal Furniture



Product Description

Wall Cabinet with 900mm height, 16 - 19mm thick Phenolic work surface with back splash, Standard width 750/900mm

Can have combination of sink, metal wall hung cabinets, knee space



Product Description

Island Cabinet with 900mm height, 16- 19mm thick phenolic work surface, standard 1200 - 1800mm width

Can have combination of sink, bin, reagent racks & knee space



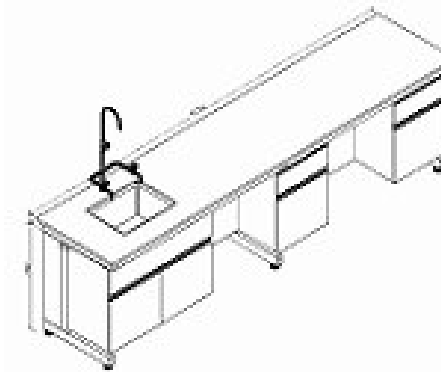
C Frame Furniture



Product Description - Modular

Wall Cabinet with 900mm height, 16 - 19mm thick Phenolic work surface with back splash, Standard width 750/900mm

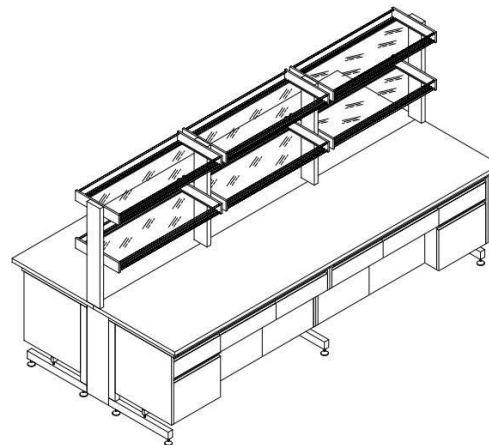
Can have combination of sink, metal wall hung cabinets, knee space



Product Description - Modular

Wall Cabinet with 900mm height, 16 - 19mm thick Phenolic work surface with back splash, Standard width 750/900mm

Can have combination of sink, Reagent Rack, knee space



Mobile Cabinet



R&D Kitchen Lab



Custom Cabinet



Local Exhaust Ventilation



**SAFEMAC
SOLUTIONS**

INTRODUCTION

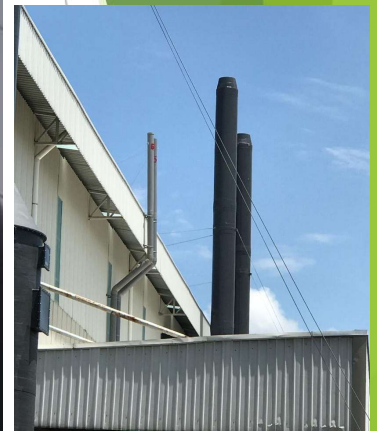
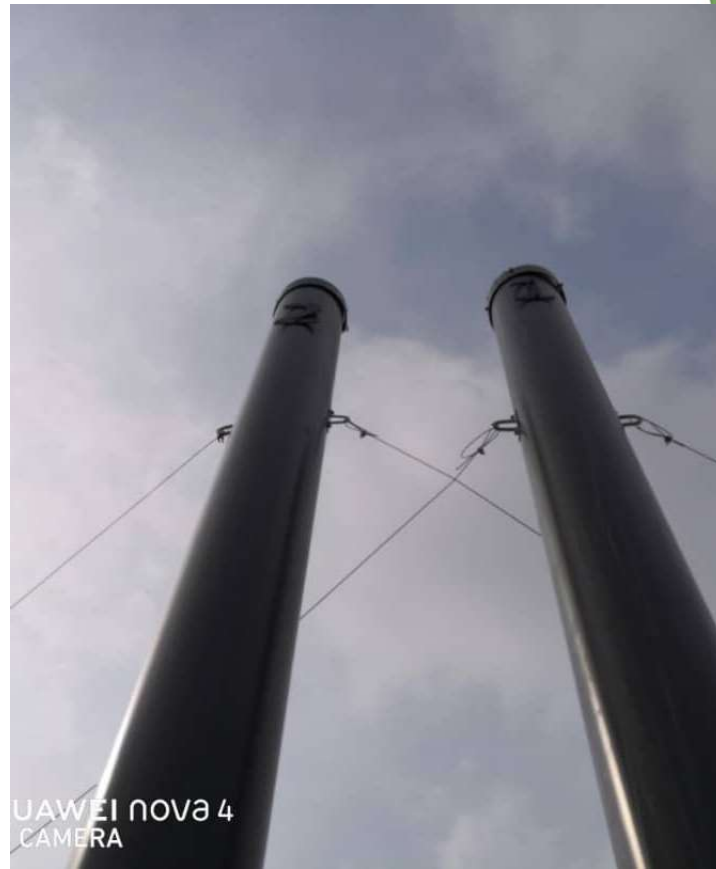
Design & Installation Services for Local Exhaust Ventilation

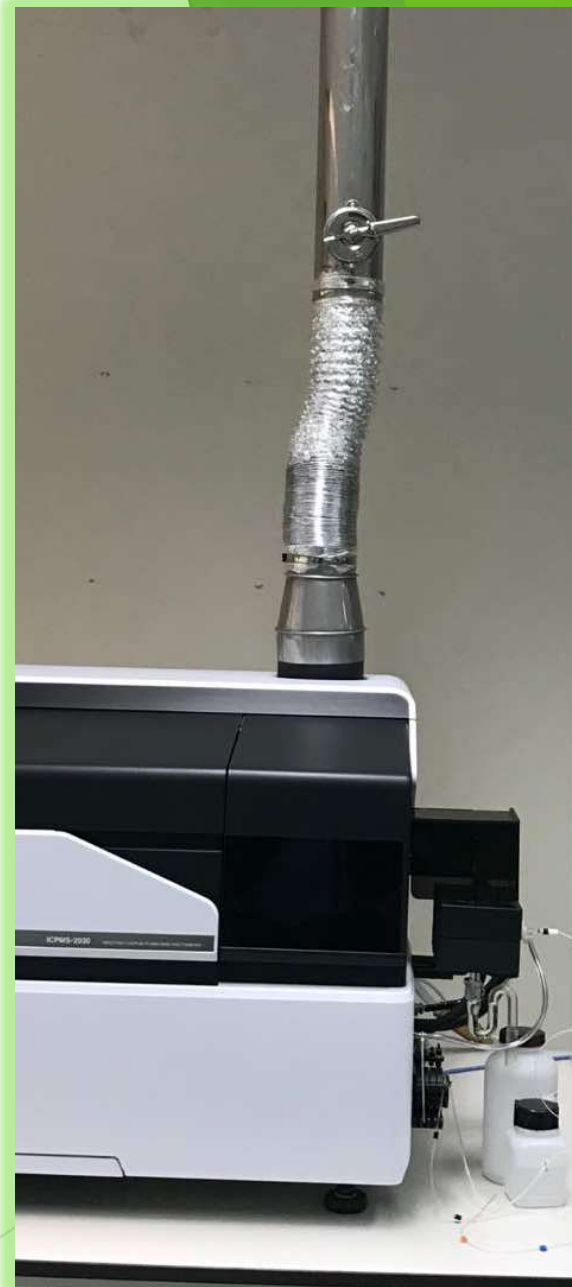
We will design, supply, install and commission your LEV system from initial concept through to final completion with our experience within the industry. Our installation teams are experience in installing all types of industrial & laboratory ventilation equipment. LEV testing & Services are also available

Services Available

- Design & supply Extraction Hood
- Maintenance & Repair of Laboratory Hood
- Authority Application
- Analytical Instruments Hood supply & installation
- Supply Ductless hood for chemical cabinet

All our engineers & technician are train in house to assure customer satisfaction







Safemac **SAFEMAC**
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Speciality Cabinet



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SOLUTIONS**

OUR PRODUCT RANGE

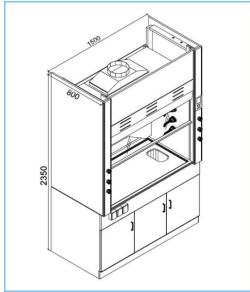
- **Speciality Cabinets**
- General Purpose Fume Cupboard
- Ductless Fume cupboard
- Chemical Storage Cabinet
- Laminar Flow
- Biosafety Cabinet



Solutions to Laboratory Set-up by
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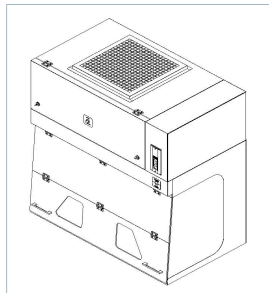
**SAFEMAC
SOLUTIONS**



General Purpose Fume Cupboard
Model : 4ft (1219mm)
Model : 5ft (1519mm)
Model : 6ft (1829mm)



Laminar Flow
Size :
4 feet
5 feet
Model & Specification TBA



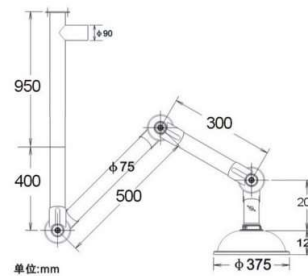
Ductless Fume Cupboard
4ft & 5ft
Exhaust outlet with Prefilter or Hepa Filter
2nd Stage activated carbon
Digital display
Airflow sensor
Fluorescent Light



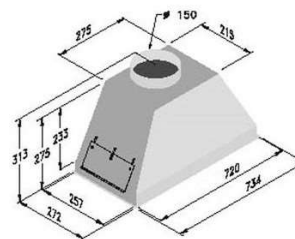
Biosafety Cabinet
Size :
4 feet
5 feet
Model & Specification TBA



Walk In Fume Cupboard
Size :
6 feet
8 feet
Model & Specification TBA



Chemical Fume Extractor



Custom Hood

Model & Specification TBA

All the fume cupboards are designed and build to cater different usage, application and environment. Focusing on high level of safety features and protection from hazardous substances, our fume cupboards are compliant with the standards such as EN14175 and Ashrae 110-95.

Our fume cupboards also come with uniform exhaust, air distribution in hood for safe and efficient handling of toxic, corrosive and other harmful fumes emitted from materials used in the laboratory.

Features:

-Double Wall Structure

Double wall structure consists of exterior housing (outer casing) constructed using baked epoxy steel panel which is easily detachable and chemical resistance to external solvent and acid exposure. The internal hood (inner casing) uses one piece mold chemical resistance fiberglass for maximum space as well as easy cleaning.

-Air Baffle

Construction of fiberglass that is designed to maintain air flow of minimum point to point velocity variation with sash in maximum open position.

-Sash

Construction of tampering safety glass which provides clear and complete viewing of hood interior.

-Service Fixture

Fitted with service fixture for gases and water operated with the sash in any position and are controlled from outside the hood working chamber.

-Access Panel

Provided with access panels to facilitate easy removal for inspection or servicing of factory wired electrical components, control valves and plumbing.

-Solvent Filter for Ductless Fume Cupboard

Hepa filter and carbon filter are used for dust and solvent fumes mounted on outlet duct.

Safety Equipment



**SAFEMAC
SOLUTIONS**



Safemac SAFEMAC SOLUTIONS





Tall Case Glass Door - Metal

Size : 84-5/8" H x 22" D



Tall Case Open Shelves - Metal

Size : 84-5/8" H x 22" D



Tall Case Metal Door - Metal

Size : 84-5/8" H x 22" D



Floor Standing
Fire Hose & Fire
Extinguisher Cabinet
- Metal



Floor Standing
Gas Cylinder Cabinet
- Metal



Floor Standing
Flammable Cabinet
- Metal Double Door
- Capacity 30, 40 & 60 Gallon



Floor Standing
Acid Cabinet
- Metal
- Capacity 30, 40 & 60 Gallon

Utilities & Accessories



**SAFEMAC
SOLUTIONS**

Balance Table - Standard & Custom Size



Balance Table with granite top

- Standard Table height 900mm
- Anti-vibration purpose
- Top mounted shock & vibration absorbent insulation
- Comes with rubber base
 - Top Material Granite 40mm thickness (black/grey)
- Suitable for Analytical balance

Size : 36" x 24" X 36", 42" x 24" x 36"

Custom made available by enquiry only



Bin design



Service column design



Reagent Racks



Fixtures & Fittings

Emergency Shower



Emergency Eyewash



Sink, Tap & Accessories



Table Tops



**SAFEMAC
SOLUTIONS**

Types of Table Top

Epoxy

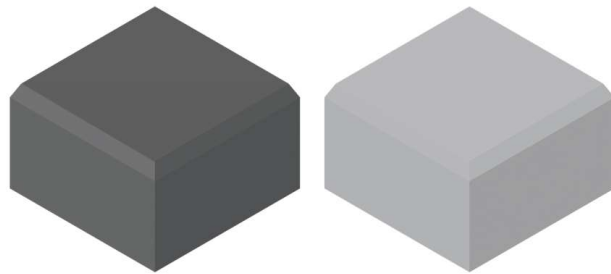
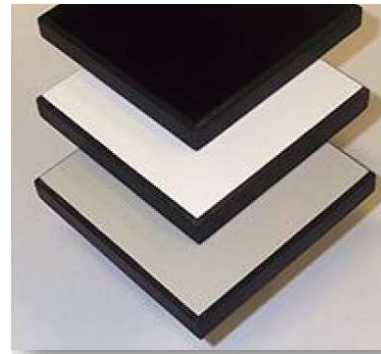


Black Onyx

Gray

Graphite

Phenolic



GRAPHITE

GRAY

Solicor by Durcon



Stainless Steel

New

Solicor-CR Features & Benefits

DURCON
A WILSONART COMPANY

CHEMICAL RESISTANCE



Solicor-CR sets the industry standard for chemical resistance, providing designers and builders with a robust combination of performance and aesthetics.

FIRE RESISTANCE



Solicor-CR is rated **CLASS A** for fire and heat resistance, yet another attribute aligning it squarely with the laboratory grade market.

MOISTURE RESISTANCE



Moisture resistance, even for the harshest acids, bases, solvents, and any other corrosive in a laboratory environment.

COST-EFFECTIVE



Solicor-CR is cost advantageous, often requiring less upfront expense as well as lower life cycle costs. Guaranteed by our industry-best 10-year warranty.

EASY TO INSTALL



At 7.4 lbs per square foot, the lightweight Solicor-CR is easy to transport, modify and install on the jobsite.

AESTHETIC APPEAL



Black core... No more. Gray compact with a gray core, and graphite compact with a graphite core set the new standard for an ultra-modern lab appearance.

LIGHTWEIGHT



Solicor-CR worksurfaces are light enough to be recommended for both horizontal and vertical applications. Experience exceptional strength without all the weight.

IMPACT & SCRATCH



Solicor-CR outperforms all competitors and sets a new standard for scratch and impact resistance. Full testing data available upon request.

USA MADE



Proudly manufactured & fabricated in the USA.

UV LIGHT RESISTANCE



Using ultraviolet light to test prolonged exposure to direct sunlight, Solicor-CR coloration experienced unnoticeable variance from start to finish.

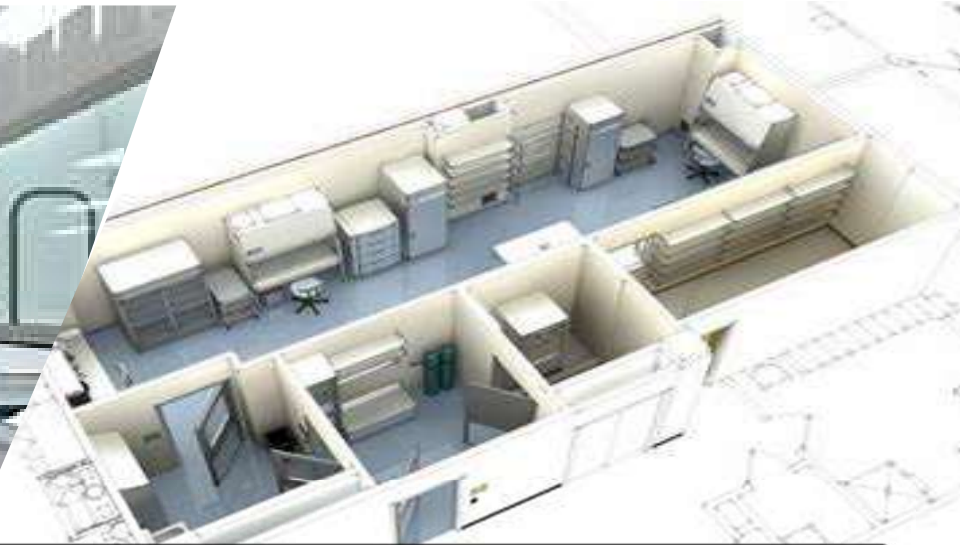


Worksurface Materials Comparison

DURCON
A WILSONART COMPANY

Material	Chemical Resistance	Class A Fire Rating	Heat Resistance	Moisture Resistance	Impact & Scratch	UV Light Resistance	Edge Consistency
Epoxy Resin	✓	✓	✓	✓	✓	✓	✓
Solicor-CR Lab Grade	✓	✓	✓	✓	✓	✓	✓
Solid Phenolic Compact (SPC-CR) Lab Grade	✓	—	✓	✓	✓	✓	✗
Competitor Lab Grade	✓	✓	✓	✓	✓	✗	—

KEY: ✓ Best
✓ Good
— Fair
✗ Poor



STANDARD OPERATION PROCESS



**SAFEMAC
SOLUTIONS**

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