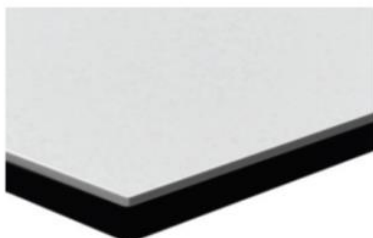


**Laboratory's
Total Solution Provider
Lab Furniture**



Industrial
LABORATORIES

www.industrial-labs.com



Fundermax GmbH - Max resistance²

- Outstanding mechanical and thermal properties in accordance with EN 438
- Chemical resistance in accordance with SEFA-3 recommended practice
- Integrated double hardened acrylic coating on surface for chemical resistance
- Increased scratch - abrasion resistance, hygienic properties and easy cleaning



Profile system

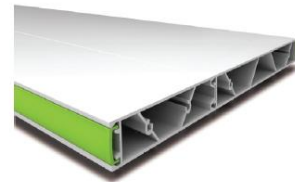
- Fast installation and easy maintenance
- Good designed aluminum profile



Flexibility & Expansion

- Available for structure change and expansion of service utilities
- Fast and easy reconfiguration for laboratories
- Easy customization for flexibility





Aluminum profile shelving

- Truss structure aluminum profile shelving for high loading capacity
- Acid resistant epoxy powder coated aluminum profile
- Height adjustable function included



Safety guard holder

- Designed by SamIn Science
- Protect safety guard to be bent



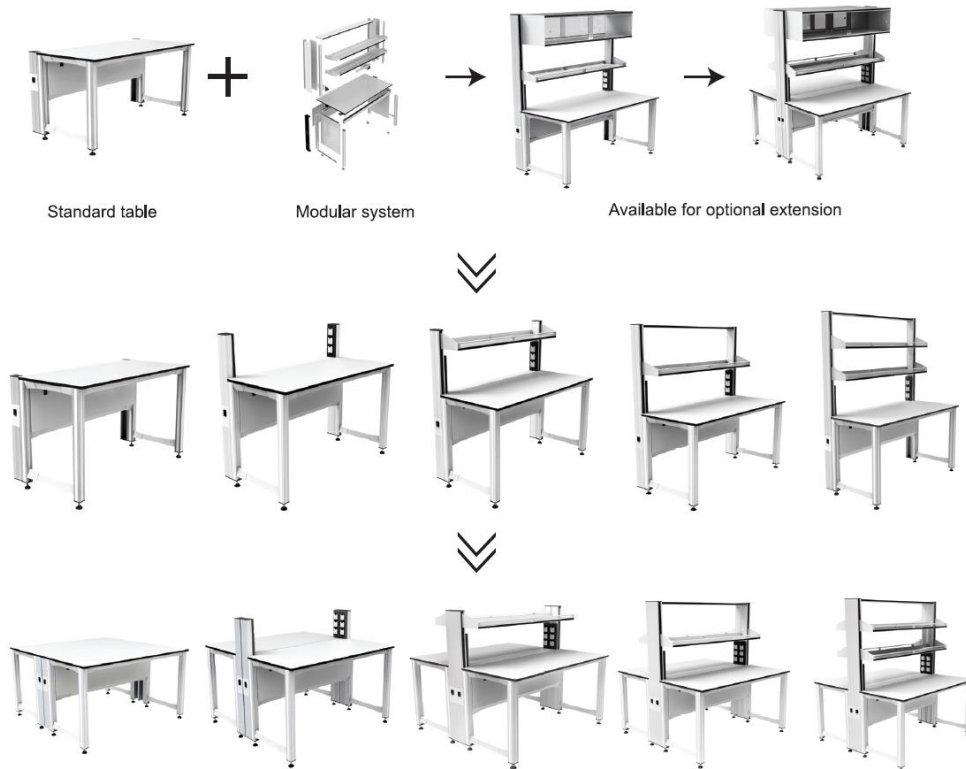
Receptacle & Utility Box

- Aluminum profile structure by anodizing coating
- Detachable structure for configuration and maintenance
- Available for 110v / 220v / Data / Tel / Fitting valves
- Water proof hinged safety cover

3D Rendering



Flexible laboratory furniture system with modular structure



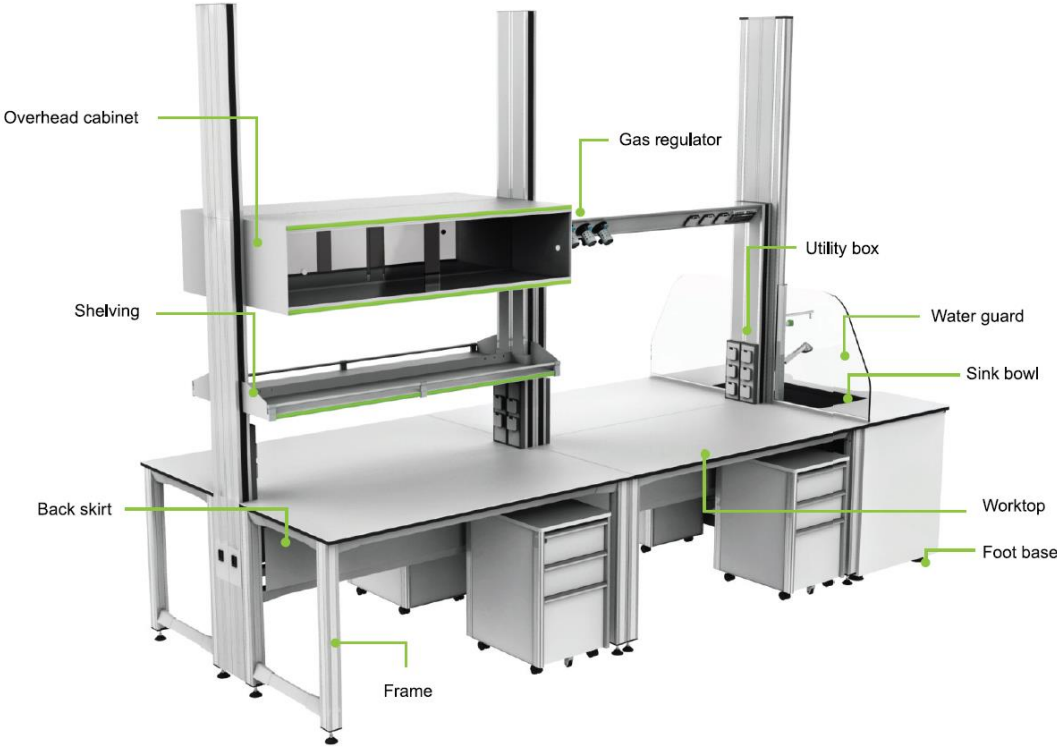
Modular structure's advantages

- Saving raw material cost, installation time, logistic cost and labor cost
- Fast and easy configuration for laboratories
- Available for part maintenance

Customer focused configuration and design

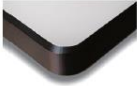























- Maximizing laboratory space
- Detachable utility structure for easy maintenance

Part description



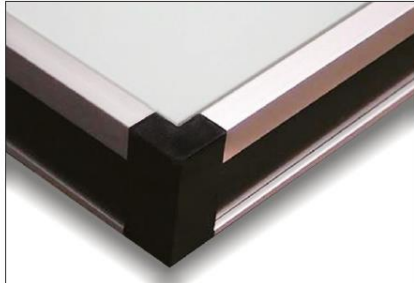
Worktop	<ul style="list-style-type: none">• Frosted tempered safety glass• TRESPA® TOPLAB® PLUS• FunderMax Max Resistance²• Durcon epoxy (Optional)	Overhead cabinet	<ul style="list-style-type: none">• EGI steel, acrylic and ABS• Anodized aluminum profile
Frame	<ul style="list-style-type: none">• Anodized aluminum profile	Gas regulator	<ul style="list-style-type: none">• EM15
Shelving	<ul style="list-style-type: none">• Anodized aluminum profile• Shelving base + Wings• Safety guard• Guard holder	Sink bow	<ul style="list-style-type: none">• PP Composite, SUS (Optional)
Back skirt	<ul style="list-style-type: none">• EGI steel epoxy powder coating	Water guard	<ul style="list-style-type: none">• Anodized aluminum profile + Frosted tempered safety glass
Utility box	<ul style="list-style-type: none">• PP Composite	Foot Base	<ul style="list-style-type: none">• Lower : PP Composite• Upper (Bolt) : SS400

Contents

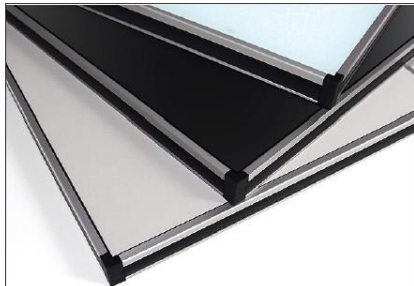
	P8		P14		P15
Worktop		Frame		Shelving	
	P15		P15		P16
Foot base		Utility box		Option	
	P18		P19		P20
A type		B type		D1 type	
	P21		P22		P23
D2 type		D3 type		D4 type	
	P24		P25		P26
Overhead cabinet type		Sink		Work table	
	P26		P26		P27
Extension table		Corner table		Multi-purpose table	
	P27		P28		P28
PC table		Balance table		Under table cabinet	
	P29		P30		P31
Wall cabinet		Lab chair		Lab chair	

Modular frosted tempered safety glass worktop

Upper(Optional) : Frosted tempered safety glass / PP / Phenolic laminate + Lower : Truss structure aluminum profile



Frosted tempered safety glass 5T



Phenolic laminate 5T / PP 5T / Frosted tempered safety glass 5T

Manufacturer & Origin

- Manufacturer : SamIn Science
- Product : Modular frosted tempered safety glass worktop
- Origin : Republic of Korea

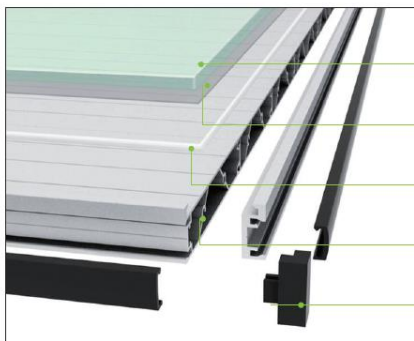
Description

- 25T Modular worktop
- Upper (Optional) : Frosted tempered safety glass / PP / Phenolic laminate
- Lower : Truss structure aluminum profile 20T

Features

- Frosted tempered safety glass
- 5T Frosted tempered safety glass for laboratory optimization
- 4 Side molding for edge protection
- Chemical resistant polypropylene
- Reinforced polypropylene worktop
- Moisture resistance, chemical resistance and impact resistance
- Phenolic laminate
- High density phenolic resin worktop for chemical resistance and mechanical properties
- Panel core : Multiple layers of phenolic resin impregnated kraft paper
- Panel surface : Integrated double hardened acrylic coating and melamine impregnated decor
- Patent registration number 10-0838320 / 10-107952
- Registered at public procurement service as excellent product

Part description



- Frosted tempered safety glass
Chemical resistance / Scratch resistance
- Safety film
Anti fragment for safety
- Chemical resistant sealing compound
Protection against chemical penetration
- Truss structure aluminum profile
High load capacity / Easy customizing
- 4 side molding and safety edge
Color points / Edge protection

Frame



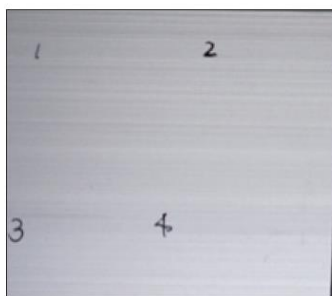
Specification

- Leg frame : Anodized aluminum profile 60x60mm / Over 2T
- Connection frame : Anodized aluminum profile 46x47mm / Over 2T
- Sub frame : Anodized aluminum profile 44x44mm / Over 2T

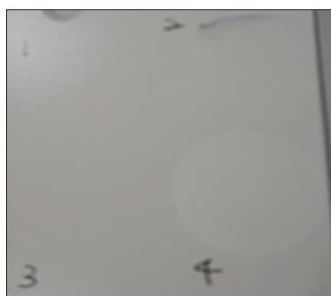
Features

- Anodizing finishes on frame surface: Oxidation-aluminum film on surface for physical properties, anti-corrosion and chemical resistance
- Formaldehyde free and 100% recyclable raw materials for environmental properties and sustainability
- Applying safety finishing caps to guarantee safety and hygiene from bacteria

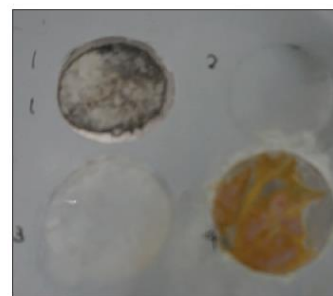
Chemical resistance spot test for aluminum profile



Anodized aluminum



Epoxy powder coated EGI steel



EGI steel

Chemical resistance

Chemical resistance spot test method <KS G ISO 4211 standard>

Filter paper (25mm diameter), saturated with the testing chemical for 30 seconds was placed on the test material and covered with a watch glass for 16 ~ 24-hours. After that, exposed area was washed with a detergent and water, and then dried with cloth. Then, inspect any change in color, gloss or function.

Tested chemicals		
1	44%	Acetic acid (aq)
2	99.5%	Acetone
3	15%	Sodium chloride (aq)
4	60%	Nitric acid

Shelving



Applying rack type shelving



Specification

- Shelving : Aluminum profile 200x20mm + 106mmx20mm
- Shelving base : EGI Steel 1.6T
- Shelving wings : EGI steel 1.0T
- Safety guard : SUS 304 / Guard holder (PP and zinc coated die-casting)
- Epoxy powder coating (Acid resistant epoxy materials used)

Features

- Chemical resistant and anti corrosive anodized aluminum profile
- Truss structured anodized aluminum profile for high loading capacity
- Rack type shelving : Height adjustable function
- Individually configurable shelvings front and back
- Safety guard to protect materials from falling down for safety
- Guard holder to protect safety guard
- Various color selection for shelving cover (refer to page 16)



Applying SUS protection guard

Foot base (Levelling foot)



Specification

- Bolt : SS400 Hexagonal pole 13mm
- Zinc coated

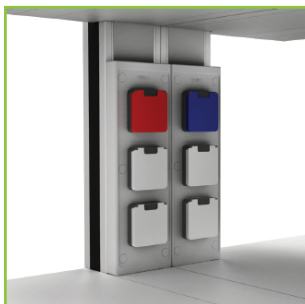
Lower part : PP composite

- Angle adjustable : 15°
- Height adjustable : Using 50mm nut up to 35mm / Using 70mm nut up to 55mm

Features

- Angle adjustable function to the foot base for uneven floor
- Height adjustable function for configuration
- Impact resistance and no visual change at high temperature

Receptacle & Utility box



Specification

- Receptacles : Water proof cover 220V or 110V
- Composition : 220V / 110V / Data / Tel
- Dimension : 300mm x 100mm x 25mm (W x D x H)
- Materials : PP composite

Features

- Hinged safety cover to protect from liquid an

Option

Color

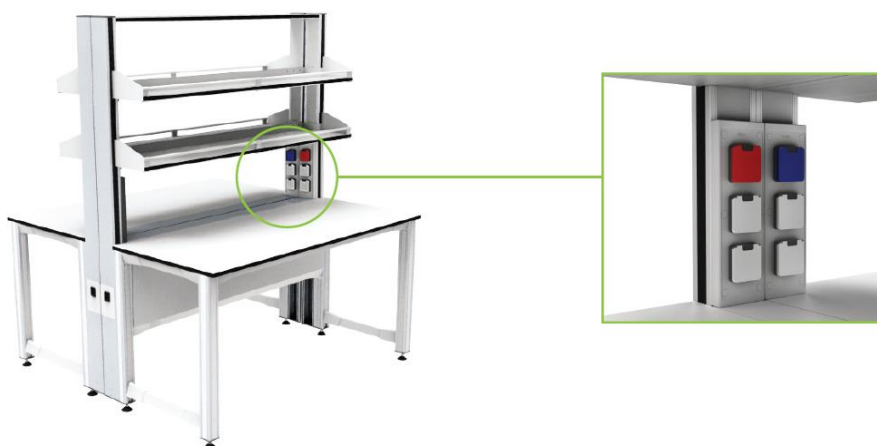
1. Shelving

- Various color selection for shelving covers upon customer request



2. Receptacle & Utility Box

- Color selection for hinged safety cover upon customer request and available for UPS/Emergency power receptacles



Option

LED task light

- Energy saving and high illumination performance for LED task light and slim design
- Horizontal structured design for extension and angle adjustable back and forth by hinge
- Angle adjustable : 180°
- Dimmer with touch sensor to control brightness for LED task light



Voltage and current monitor

- Giving alarm for safety when overcurrent and overvoltage
- Available voltage from AC80 to 250V and displaying voltage
- Circuit breaker for electrical isolation to protect scientific instrument and equipment



A type table

Standard laboratory table to maximize working areas



Model No.	Dimension(mm)
HA12075	1200 x 750 x 800
HA15075	1500 x 750 x 800
HA18075	1800 x 750 x 800



Model No.	Dimension(mm)
HAC12075	1200 x 1500 x 800
HAC15075	1500 x 1500 x 800
HAC18075	1800 x 1500 x 800



Model No.	Dimension(mm)
NA12075	1200 x 750 x 800
NA15075	1500 x 750 x 800
NA18075	1800 x 750 x 800



Model No.	Dimension(mm)
NAC12075	1200 x 1500 x 800
NAC15075	1500 x 1500 x 800
NAC18075	1800 x 1500 x 800

Worktop	20T + 5T Modular worktop (Truss structured aluminum profile + Frosted tempered safety glass / PP / Solid phenolic laminate) 20T TRESPA TOPLAB® PLUS (Optional), 20T FunderMax Max Resistance² (Optional), 20T Durcon epoxy resin (Optional)
Frame	Aluminum profile (Anodizing surface coating)
Skirt	EGI steel (Acid resistant epoxy powder coating) and chemical resistant PP composite
Foot base	PP
Option	Drawer, cabinet, CPU, keyboard tray etc

Lab Innovation

Lab Table

B type table

Laboratory table with utility panels for power (110V / 220V), data, tel and etc



Model No.	Dimension(mm)
HB12075	1200 x 750 x 800
HB15075	1500 x 750 x 800
HB18075	1800 x 750 x 800



Model No.	Dimension(mm)
HBC12075	1200 x 1500 x 800
HBC15075	1500 x 1500 x 800
HBC18075	1800 x 1500 x 800



Model No.	Dimension(mm)
NB12075	1200 x 750 x 800
NB15075	1500 x 750 x 800
NB18075	1800 x 750 x 800



Model No.	Dimension(mm)
NBC12075	1200 x 1500 x 800
NBC15075	1500 x 1500 x 800
NBC18075	1800 x 1500 x 800

Worktop	20T + 5T Modular worktop (Truss structured aluminum profile + Frosted tempered safety glass / PP / Solid phenolic laminate) 20T TRESPA TOPLAB® PLUS (Optional), 20T FunderMax Max Resistance² (Optional), 20T Durcon epoxy resin (Optional)
Frame	Aluminum profile (Anodizing surface coating)
Skirt	EGI steel (Acid resistant epoxy powder coating) and chemical resistant PP composite
Foot base	PP composite
Receptacles	Receptacles : 220V/ 110V (Optional), Data : Optional quantity, Tel : Optional quantity
Option	Drawer, cabinet, CPU, keyboard tray etc

D1 type table

Laboratory table with 1 shelving and utility panels for power (110V/220V), data, tel and etc



Model No.	Dimension(mm)
HD112075	1200 x 750 x 800 / 1250
HD115075	1500 x 750 x 800 / 1250
HD118075	1800 x 750 x 800 / 1250



Model No.	Dimension(mm)
HD1C12075	1200 x 1500 x 800 / 1250
HD1C15075	1500 x 1500 x 800 / 1250
HD1C18075	1800 x 1500 x 800 / 1250



Model No.	Dimension(mm)
ND112075	1200 x 750 x 800 / 1250
ND115075	1500 x 750 x 800 / 1250
ND118075	1800 x 750 x 800 / 1250



Model No.	Dimension(mm)
ND1C12075	1200 x 1500 x 800 / 1250
ND1C15075	1500 x 1500 x 800 / 1250
ND1C18075	1800 x 1500 x 800 / 1250

Worktop	20T + 5T Modular worktop (Truss structured aluminum profile + Frosted tempered safety glass / PP / Solid phenolic laminate) 20T TRESPA TOPLAB® PLUS (Optional), 20T FunderMax Max Resistance² (Optional), 20T Durcon epoxy resin (Optional)
Frame	Aluminum profile (Anodizing surface coating)
Skirt	EGI steel (Acid resistant epoxy powder coating) and chemical resistant PP composite
Foot base	PP composite
Shelving	Truss structured aluminum profile panel, EGI steel (Acid resistant epoxy powder coating) and safety guard holder (PP and zinc coated die-casting) Safety guard (SUS 304)
Utility frame	Aluminum profile (Anodizing surface coating, acid resistant epoxy powder coating) and ABS + Aluminum profile
Receptacles	Receptacles : 220V/ 110V (Optional), Data : Optional quantity, Tel : Optional quantity
Option	Drawer, cabinet, CPU, keyboard tray, LED task light DC12V-13W, lamp switch, dimmer switch and etc

D2 type table

Laboratory table with 1 shelving, 1 finishing shelving and utility panels for power (110V/220V), data, tel and etc



Model No.	Dimension(mm)
HD212075	1200 x 750 x 800 / 1500
HD215075	1500 x 750 x 800 / 1500
HD218075	1800 x 750 x 800 / 1500



Model No.	Dimension(mm)
HD2C12075	1200 x 1500 x 800 / 1500
HD2C15075	1500 x 1500 x 800 / 1500
HD2C18075	1800 x 1500 x 800 / 1500



Model No.	Dimension(mm)
ND212075	1200 x 750 x 800 / 1500
ND215075	1500 x 750 x 800 / 1500
ND218075	1800 x 750 x 800 / 1500



Model No.	Dimension(mm)
HD2C12075	1200 x 1500 x 800 / 1500
HD2C15075	1500 x 1500 x 800 / 1500
HD2C18075	1800 x 1500 x 800 / 1500

Worktop	20T + 5T Modular worktop (Truss structured aluminum profile + Frosted tempered safety glass / PP / Solid phenolic laminate) 20T TRESPA TOPLAB® PLUS (Optional), 20T FunderMax Max Resistance® (Optional), 20T Durcon epoxy resin (Optional)
Frame	Aluminum profile (Anodizing surface coating)
Skirt	EGI steel (Acid resistant epoxy powder coating) and Chemical resistant PP composite
Foot base	PP composite
Shelving	Truss structured aluminum profile panel, EGI steel (Acid resistant epoxy powder coating) and safety guard holder (PP and zinc coated die-casting) Safety guard (SUS 304)
Utility frame	Aluminum profile (Anodizing surface coating, acid resistant epoxy powder coating) and ABS + Aluminum profile
Receptacles	Receptacles : 220V/ 110V (Optional), Data : Optional quantity, Tel : Optional quantity
Option	Drawer, cabinet, CPU, keyboard tray, LED task light DC12V-13W, lamp switch, dimmer switch and etc

Overhead cabinet type table

Laboratory table with overhead cabinet, shelving(s), 1 finishing shelving and utility panels for power (110V/220V), data, tel and etc



Model No.	Dimension(mm)
TSSD312075	1200 x 750 x 800 / 1800
TSSD315075	1500 x 750 x 800 / 1800
TSSD318075	1800 x 750 x 800 / 1800



Model No.	Dimension(mm)
TSSD412075	1200 x 750 x 800 / 2100
TSSD415075	1500 x 750 x 800 / 2100
TSSD418075	1800 x 750 x 800 / 2100

Worktop	20T + 5T Modular worktop (Truss structured aluminum profile + Frosted tempered safety glass / PP / Solid phenolic laminate) 20T TRESPA TOPLAB® PLUS (Optional), 20T FunderMax Max Resistance² (Optional), 20T Durcon epoxy resin (Optional)
Frame	Aluminum profile (Anodizing surface coating)
Skirt	EGI steel (Acid resistant epoxy powder coating) and chemical resistant PP composite
Foot base	PP composite
Shelving	Truss structured aluminum profile panel, EGI steel (Acid resistant epoxy powder coating) and safety guard holder (PP and zinc coated die-casting) Safety guard (SUS 304)
Utility frame	Aluminum profile (Anodizing surface coating, acid resistant epoxy powder coating), ABS + Aluminum Profile
Overhead cabinet	Aluminum profile+EGI steel (Acid resistant epoxy powder coating), PC door
Receptacles	Receptacles : 220V/ 110V (Optional), Data : Optional quantity, Tel : Optional quantity
Option	Drawer, cabinet, CPU, keyboard tray, LED task light DC12V-13W, lamp switch, dimmer switch and etc

Sink

Laboratory sink for water supply and disposal, frosted tempered safety glass water guard and optional service outlets



Model No.	Dimension(mm)
SKSA07575	750 x 750 x 800
SKSA09075	900 x 750 x 800
SKSA15075	1500 x 750 x 800

Worktop	20T + 5T Modular worktop (Truss structured aluminum profile + Frosted tempered safety glass / PP / Solid phenolic laminate) 20T TRESPA TOPLAB® PLUS (Optional), 20T FunderMax Max Resistance® (Optional)
Frame	Aluminum profile (Anodizing surface coating)
Skirt	EGI steel (Acid resistant epoxy powder coating) and chemical resistant PP composite
Foot base	PP composite
Sink bowl	Chemical resistant PP, SUS (Optional)
Water guard	Aluminum profile connection type, 10T frosted tempered safety glass 1 phase, 10T frost tempered safety glass 3 phases
Eye shower	BROEN Emergency eye shower, EN norm15154-1, EN norm15154-2, ANSI norm Z358,1-2004 compliant EPDM rubber cap & Dust cap
Peg board	Aluminum profile frame (Anodizing surface coating) / PP (Peg) / SUS (Bracket)
Door	Aluminum profile frame (Anodizing surface coating), 18T PB door
Option	Peg board, water guard 3 phase, eye shower, table or wall mounted service outlets, 2 sink bowl

Option



Peg board

- Anodized aluminum profile frame
- SUS peg bracket
- Detachable PP peg



2 sink bowl

- 2 sink bowl available upon request



Water guard 3 phase

- Frosted tempered safety glass
- Physical properties and hygienic laboratory environment



Service outlets and side cabinet

- Table or wall mounted service outlets
- Available for side cabinets



Service outlets

- EN ISO 9001:2000 compliant
- 1-way or 3-way fitting / RO system fitting



Eye shower

- BROEN emergency hand eye shower
- EPDM rubber cap and dust cap
- For thermal and physical properties

Balance table

Table for analytical balances



Model No.	Dimension(mm)
BT09075	900 x 750 x 800

Worktop	20T + 5T Modular worktop (Truss structured aluminum profile + Frosted tempered safety glass / PP / Solid phenolic laminate) 20T TRESPA TOPLAB® PLUS (Optional), 20T FunderMax Max Resistance² (Optional), granite
Frame	Aluminum profile (Anodizing surface coating) Supporting frame : SUS304
Skirt	EGI steel (Acid resistant epoxy powder coating), chemical resistant pp composite
Foot Base	Upper : SS200, Lower : PP, Foot base : SPC, zinc coating, NBR

Under table cabinet

Laboratory under table cabinet for storing materials safely (E0 grade)



E0 formaldehyde emission standards rating?
Less than 0.5mg/l for formaldehyde emission limit.
Formaldehyde exposure is associated with skin disorders, headaches, dizziness and certain types of cancer.



Drawer type



Open type



Door type

Model No.	PPS No. (Korea Only)	Dimension(mm)
PMS1	22086467	410 x 535 x 680
PMD2	22084705	410 x 535 x 680
PMD3	22084706	410 x 535 x 680
PMD4	22084707	410 x 535 x 680

Model No.	PPS No. (Korea Only)	Dimension(mm)
PC08	-	880 x 400 x 680
PC09	-	990 x 400 x 680

Model No.	PPS No. (Korea Only)	Dimension(mm)
PCD8	22086466	880 x 400 x 680
PCD9	22086465	990 x 400 x 680

Body	E0 grade PB
Frame	Aluminum profile (Anodizing surface coating)
Door	E0 grade PB, aluminum profile (Anodizing surface coating)
Foot	Height adjustable round foot
Caster	Twin casters with locking device and sub caster
Features	Twin casters with locking device and sub caster for protecting materials safely

Configuration with table



HA15075+PCD9+PMD3



HA18075+PMD3+PCD8+PMD2



HA18075+PMD4+PC08+PMS1

Wall cabinet

Laboratory wall cabinet for storing materials safely (E0 grade)



E0 formaldehyde emission standards rating?
Less than 0.5mg/l for formaldehyde emission limit
Formaldehyde exposure is associated with skin disorders, headaches, dizziness and certain types of cancer.



Open Type



Wood Door Type



Glass Door Type

Model No.	PPS No. (Korea Only)	Dimension(mm)
PCOS	-	800 x 450 x 800
PCOM	-	800 x 450 x 1040
PCOL	-	800 x 450 x 1800

Model No.	PPS No. (Korea Only)	Dimension(mm)
PCWS	22082859	800 x 450 x 800
PCWM	22082860	800 x 450 x 1040
PCWL	22082861	800 x 450 x 1800

Model No.	PPS No. (Korea Only)	Dimension(mm)
PCGS	22082856	800 x 450 x 800
PCGM	22082857	800 x 450 x 1040
PCGL	22082858	800 x 450 x 1800

Detail image



Configuration with each cabinet



Body	E0 grade PB
Frame	Aluminum profile (Anodizing surface coating)
Shelving	E0 grade PB
Door	E0 grade PB, aluminum profile (Anodizing surface coating), frosted tempered safety glass
Foot	Height adjustable round foot
Features	Door damper for impact resistance and noise reduction Brown color glass door for protecting from discoloration, locking device for protecting materials safely / combination available

Lab chair

Laboratory chairs with ergonomic design and functions



Model No.	Dimension(mm)
SI-4108	360 x 360 x 490 / 620

- Gas-lift column for height adjustment
- Casters



Model No.	Dimension(mm)
SI-4102	560 x 480 x 830 / 960

- Gas-lift column for height adjustment
- Casters / Backrest



Model No.	Dimension(mm)
SI-4101	560 x 480 x 830 / 960

- Gas-lift column for height adjustment
- Casters / Backrest / Armrest



Model No.	Dimension(mm)
SI-4103	560 x 480 x 880 / 1060

- Gas-lift column for height adjustment
- Casters / Backrest / Armrest / Foot-ring



Model No.	Dimension(mm)
SI-1502	590 x 570 x 1020 / 1060

- Gas-lift column for height adjustment
- Ergonomic design / Urethane casters
- Backrest tilting



Model No.	Dimension(mm)
SI-1501	590 x 570 x 1180 / 1230

- Gas-lift column for height adjustment
- Ergonomic design / Urethane casters
- Backrest tilting / Headrest



Reagent cabinet

- For storing hazardous reagent to human body
- Enclosed structure prevents exhaust of smell in the laboratory
- Filters hazardous chemicals



Waste chemical safety cabinet

- Collecting chemical waste generated in the lab for safe environment
- Carbon filter traps hazardous gas from waste cabinet
- Instrument type / Funnel type



Emergency eye shower

- Emergency eye shower to rinse when in contact with hazardous substance during experiment
- Comply with EN15154 and ANSI Z358.1 standards
- Guarantee 14l/min water flow





The image shows a laboratory environment with a safety cabinet, an emergency body shower, and a mobile local cleaner for pollutants. The safety cabinet is white with yellow and black hazard stripes and is labeled 'FLAMMABLE'. The emergency body shower is red and mounted on a wall. The mobile local cleaner is a black unit on wheels with a flexible arm and a lamp.

Safety cabinet

- Safety cabinet for storing flammable and corrosive substance
- Double wall construction cut off fire or shock progressing towards stored substance for certain time
- Adjustable shelving at 100mm increment
- Liquid tight containment sump holds leaks and prevents accidents
- Vents as option

Emergency body shower

- Emergency body shower to rinse when in contact with hazardous substance during experiment
- Comply with EN15154 and ANSI Z 358,1 standards
- Guarantee steady water flow

Mobile local cleaner for pollutants

- Local extractor for extracting pollutant gas in the lab
- Easy to re-locate and no restriction in installation
- Filter option available / Ion cluster / Sound absorption pad reducing the noise level
- Rotates 360° and flexible arm hood

Emergency body shower
BROEN (Denmark)



Emergency body shower



Model NO.	17,956,009
Size (WxDxH/mm)	270x650x2410
Min. working pressure	100 kPa (= 1bar, 14,5psi)
Max. working pressure	1000 kPa (= 10bar, 145psi)
Weight (kg)	17kg

Shower head	Brass/PP or PPO
Stand pipe	Stainless steel (AISI 304) or brass
Coating	Chemical resistant polyester powder coating or stannilloy alloy
Body shower	Chemical resistant coated brass
Rubber cups	EPDM
Dust caps	POM
Bowl	Stainless steel (AISI 304)
Water supply	Ø25 PF internal thread (Water supply check)
Drainage	1" PF internal thread, Ø25 hose nipple (Water supply check)
International standard	DIN EN 15154-1&2:2006 (EN standard) ANSI Z358.1:2004 (US standard)
Features	Emergency body shower to rinse when in contact with hazardous substance during experiment Comply to EN15154 and ANSI Z358.1 norms Guarantee steady water flow

Reagent cabinet part description



Shelving	<ul style="list-style-type: none">Aluminium profile + PP composite	Door	<ul style="list-style-type: none">5T frosted tempered safety glass
Frame	<ul style="list-style-type: none">Anodized aluminum profile	Handle	<ul style="list-style-type: none">Zinc alloyRotation angle 90°Equipped with locking device
Interior	<ul style="list-style-type: none">Chemical resistance PP composite	Caster	<ul style="list-style-type: none">Urethane
Exterior	<ul style="list-style-type: none">EGI steel + Chemical resistance epoxy powder coating	Light	<ul style="list-style-type: none">LED lamp

Enclosed reagent cabinet

Duct type



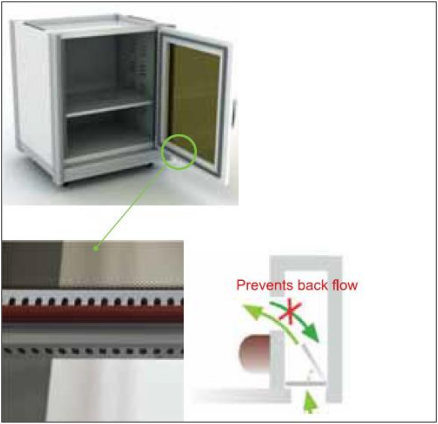
VRC 1820 VRC 1810

Model NO.	VRC 1820	VRC 1810
PPS NO. (Korea only)	21756133	-
External size (WxDxH/mm)	600x540x2050	600x540x2050
Internal size (WxDxH/mm)	Top:520x420x520 Bottom:520x420x1100	520x420x1680
Air flow	3.4m³/min	
Noise level	40dB	
Shelving	Top 1ea / Bottom 2ea	4ea
Weight (kg)	105kg	

External	1T EGI steel powder coating (Acid resistant epoxy paint)
Internal	Chemical resistance PP composite
Frame	Anodized aluminum profile 2T
Door	Front glass : 5T bronze color frosted tempered safety glass with black color silk screen printing inside Handle : Tight lock handle, material : Zinc alloy (Silver color), equipped with locking device, handle rotation angle 90°
Caster	Urethane series plastic, steel
Light	Internal light : LED lamp / Logo light : LED lamp
Power	Input power AV100~230V / 60Hz power consumption 30W
Duct	100Ø
Features	For storing hazardous reagents to human body Enclosed structure prevents exhaust of smell in the laboratory Exhaust hazardous chemicals through exhaust duct

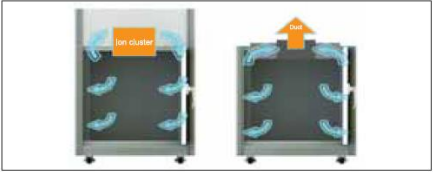
Effective sealing

- Blocking layer installed inside the reagent cabinet's door allows outside air into the reagent cabinet and prevents inside air from leaking which prevents bad odor exhaust from hazardous reagents in to the laboratory



Ventilation hole on side wall

- Ventilation hole on the side wall saves dead space from backside ventilation hole. Which enables expansion of shelving space designed for optimum exhaustion



Safety cabinet

SECURALL-USA



Flammable storage (A145)



Acid & Corrosive cabinet (PE3045)

Model NO.	A145		PE3045
External size (WxDxH/mm)	1100x450x1650		965x330x475
Material	18-gauge all welded construction Double wall construction with 1 1/2" air space Finished in chemical, UV, impact resistant urethane		0.187" thick high density polyethylene
Capacity	45 Gallons		
International standard	FM - Factory mutual tested and approved NFPA - Desinged in accordance with national fire protectin association (NFPA) code30 regulation OSHA - Complies with OSHA regulation		FM - Factory mutual tested and approved NFPA - Desinged in accordance with national fire protectin association (NFPA) code30 regulation OSHA - Complies with OSHA regulation
Features	Meet OSHA and NFPA code 30 regulations Large waring label Structurally reinforced 18-gauge all welded construction Double wall construction with 1 1/2" air space Non-sparking, 3 poing self latching doors Leak proof sill 2" deep prevents leakage Fusible links hold doors open and links are desinged to melt at certain temperature which allows the doors to close automatically Finished in chemical, UV, impact resistant urethane Continuous piano hinge Two vents with flash arrestors Adjustable leveling legs Flush mounted locking handle		Designed to store acid safe and to protect users Meet OSHA and NFPA code 30 regulations HDPE cabinet double wall recessed door 0.187" thick high density polyethylene cabinet

Safety cabinet
SECURALL-USA



Configuration Option



Flammable storage (A145)



Model C145 with model PE3045

Safety cabinet

For flammable and inflammable storage



MTCS600F



MTCS1090F

Model NO.	MTCS600F	MTCS1090F
External size (WxDxH/mm)	600X540X1800	1090X540X1800
Internal shelving	3ea GL steel (1.2T)	3ea GL steel (1.2T)

External	1T EGI steel (Double structure) powder coating (Epoxy + Polyester paint)
Internal shelving	3ea / GL steel (1.2T)
Frame	Anodized aluminum profile 40x60mm
Door	1T EGI steel (Double structure) Powder coating (Epoxy + Polyester paint) Piano hinge (Reinforced sealing) Self close door (Option)
Color	Paint color (Ivory) use color and label sticker for classification
Lock	One hand opening door 3 point type (Reinforced sealing) Locking device installed Color : black
Features	For storing flammable and inflammable substance Double wall construction cut off from fire or shock progressing towards stored substance for certain time Adjustable shelving (100mm increment) Liquid tight containment sump holds leaks and prevents accidents Vents as option

Waste chemical safety cabinet



WBSC-I (Instrument type)



WBSC-F (Funnel type)

Model NO.	WBSC-I	WBSC-F
PPS NO. (Korea only)	22958135	22958136
External size (WxDxH/mm)	356X535X680	
Waste container (L)	20L	
Weight (kg)	24kg	

External	1.6t EGI steel powder coating (Acid resistant epoxy paint)
Frame	Anodized aluminum profile 2T (6063-T5)
Sensor	Capacitive proximity sensor (Sensing distance ≤8mm)
Upper cover	Polypropylene
Waste container tray	Polypropylene
Inlet cover	Polypropylene
Monitoring window	Acrylic
Filter	Carbon filter (Impregnated charcoal)
Waste container	20L PE bottle (UN approved, 3H1/X/250**/ROK/KOMDI)
Power	Input power : 100~240V / 50~60Hz Power consumption : 0.8W Control board : On/Off / Alarm switch
Features	Safety cabinet to collect chemical waste generated in the laboratory for safe environment Instrument type / Funnel type Non contact level sensor and height adjustable level sensor by volume

Waste chemical safety cabinet

Features



Control board

- Built-in sensor alarm to exchange waste container
- Two LED color indicator **blue-normal** / **red-full** with alarming sound
- Easy to operate on/off and mute button
- Available for adjustable built-in sensor by waste container size



Monitoring window

- Monitoring window at front door to check the level of the waste container
- Very smooth one hand sliding door with caster protecting waste container



Carbon filter

- Carbon filter installed at the outlet of the waste container trap hazardous gases preventing explosion by high pressure
- Select various carbon filter by waste chemical



Safety caster

- Convenient for moving with casters
- Mounted locking device to caster when locating cabinet at proper area
- Installed sub caster for preventing waste container from falling down



Inlet cover

- Easy recognition of waste chemical through color of inlet cover
- **Red** : Acid chemical waste
- **Blue** : Alkali chemical waste
- **Green** : Non-halogenated waste
- **Yellow** : Halogenated waste



UN approved waste container

- UN approved 20L waste container
① 3H1 / X1.6 / 250 / ** / ROK / KOMDI
- Polypropylene tray protecting from waste chemical overflowing
- Sliding door for replacing waste container

Model	Description		Type	Exchange period
Carbon filter	S-SFIL-A	For acid	Impregnated charcoal	Frequently used - Every 3 months
	S-SFIL-B	For alkali		Occasionally used - Every 6 months
	S-SFIL-V	For VOC		

*Filter exchange period may vary upon working environment

Movable Computer Table

450mm x 510mm x 1213mm (+150mm)



Option
Multi Socket Extension

Movable Computer Table

450mm x 510mm x 1213mm (+150mm)



Option
Multi Socket Extension

HPLC Bench

1000mm x 750mm x 1690mm



Option

Color Selection for Shelf : ● ● ● ● ● ● ● ●
 Monitor & Keyboard & PC Shelf
 Ergonomic LCD/Flat Screen Arm
 Organic Solvent Storage Shelf

Mass Spec Bench

1500mm x 750mm x 815mm



Option

Built-in Vacuum Pump Case & WBSC
 Trespa Lab Top / Maica Lab Top
 Casters for High Load Capacity

Multi-purpose Lab Bench
600mm x 380mm x 750mm (+150mm)



Option
Function for Height Adjusting
Casters with Locker for Safety

Centrifuge Bench
900mm x 750mm x 710mm



Option
Anti-vibration System and Adsorption Rubber
Under Space for Accessories

FUME HOODS



FEATURES

Material: Anodized Aluminum, PP, Tempered Glass

- Vertical Moving Door with Horizontal Sliding Door at Lower Part for Easy Access
- Wider Door Size by Maximum 200mm (7 7/8")
- LED Lighting with a Dimmer for Power Saving and High Illumination
- Round Al Profile Frame with Inner Structure for Heavy Load
- Anodized Powder Coated Al Profile for Preventing Corrosion and Scratch and Improving Surface Strength

-PP Spigot at Exhaust Duct and Phenolic Resin Reinforced Compact Panel for Baffles and Inside Boards to Prevent Corrosion

Captair Smart® Ductless Fume Hoods



Design	321	391	481	392	483	633	714
Width (mm)	780	1000	1260	1005	1290	1600	1800
Depth (mm)	620			750			
Height min - max (mm)	1110 - 1295			1340 - 1515			
Air Flow	220 m³/h			440 m³/h	660 m³/h		880 m³/h
Sash openings	Oblong			Total openings or new reverse sash			
Safety Standards	AFNOR NF X 15-211:2009 : France - BS 7999 : England DIN 12 927 : Germany - EN 1822 : 1998 (HEPA H14 & ULPA U17 Filters) - CE Marking						
Air Face Velocity	0,4 to 0,6 m/s - 79 fpm to 118 fpm						
Power consumption	65 W			105 W	160 W		220 W
Voltage/Frequency	80 - 220 V / 50-60 Hz						
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer						
Side and front panels	Chemical resistant acrylic						
Filtration module	Polypropylene						

Features

Smart Technology	Simple communication by LED pulsation system: fan settings, usage timer, fan failure, face velocity, automatic filter saturation detection
Flex Technology	1 - 4 columns that can be configured to handle liquids, powders, or both
Carbon filtration for gases and vapors	AS : For organic vapors - BE+ : For organic vapors and acid vapors F : For formaldehyde vapors - K : For ammonia vapors
Particulate filtration for powders	HEPA H14 filtration efficiency: 99,995 % according to MPPS method, EN1822 standard ULPA U17 filtration efficiency: 99,999995 % according to MPPS method, EN1822 standard
eGuard	App for remote control to monitor the hood, change the settings, and deliver safety alerts immediately to your devices (mobile, tablet and PC).
Connectivity	RJ45 cable connection
Internal lighting	LED lighting > 650 Lux
Electronic Anemometer	Indicates the face velocity of the unit
Chemical Listing	List of approved chemicals

Ductless Filtering Chemical Storage Cabinets



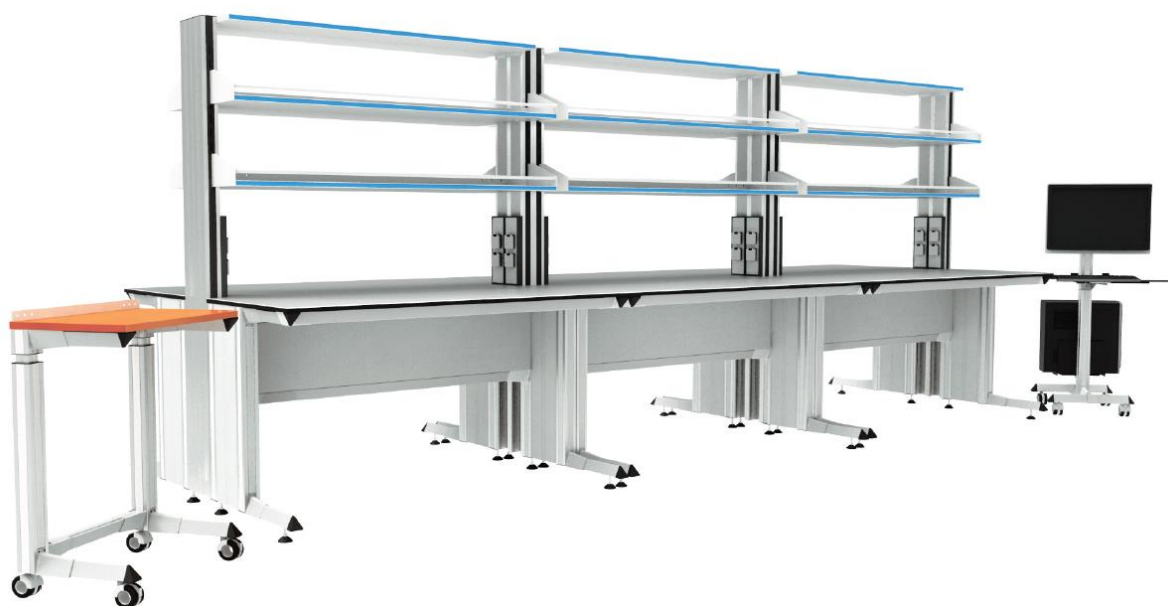
Design	822	832	834	1634
Width (mm)	650	900		1800
Depth (mm)	580	500		
Height min - max (mm)	755	2050	2140 - 2300	
Air Flow	70 m³/h		220 m3/h	
Safety Standards	Filtration performances tested according to the AFNOR NF X 15-211:2009 standard : France EN 1822 : 1998 (HEPA H14 & ULPA U17 Filters) - CE Marking			
Power consumption	35W		45W	
Voltage/Frequency	80 - 220 V / 50-60 Hz			
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymere			
Doors	Clear, chemical resistant acrylic for easy viewing			
Filtration Module	Polypropylene			

Configurable storage options

822	2 storage compartments with sliding doors or 1 storage compartment with large volume drawer
832	2 storage compartments : spill-proof shelves, large volume drawers pull-out vertical shelves
834	2 storage compartments : spill-proof shelves, large volume drawers pull-out vertical shelves
1634	4 storage compartments : spill-proof shelves, large volume drawers pull-out vertical shelves

Features

Smart Technology	Simple communication by LED pulsation system: fan settings, usage timer, fan failure, face velocity, automatic filter saturation detection	
Flex Technology		1 column that can be configured for liquids, powders, or both storages
Carbon filtration for gases and vapors	AS : For organic vapors - BE+ : For organic and acid vapors F : For formaldehyde vapors - K : For ammonia vapors	
Particulate filtration for powders	HEPA H14 : 99,995 % filtration efficiency according MPPS method, EN1822 standard ULPA U17 : 99,999995 % filtration efficiency according MPPS method, EN1822 standard	
eGuard	App for remote control to monitor the chemical storage cabinet, change the settings, and deliver safety alerts immediately to your devices (mobile, tablet and PC)	
Connectivity	RJ45 cable connection	
Molecode	Detection sensors for solvents or acids or formaldehyde	
Doors sensors	Alarm if doors are left open	
Chemical Listing	List of approved chemicals	



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