

LABORATORY

FURNITURE SYSTEM

Structure

Work Top

Feature

Aluminium Type

Steel Type

Storage

Equipment

Product List

TJEN





TJEN LAB FURNINTURE ensures optimum environment for lab researchers.

TJEN LAB FURNINTURE embodies a specialized design catering to a lab's virtual space through 3-D design, creating a research environment prioritizing the safety of research workers including ergonomics design, and managing such environment.

We strongly recommend you to experience TJEN that has the system most flexibly responding to changing cutting edge lab equipment and request including an increase in durability and esthetic sense of design and surface paint.

PARTS NAME AND SPECIFICATION

Aluminium Frame

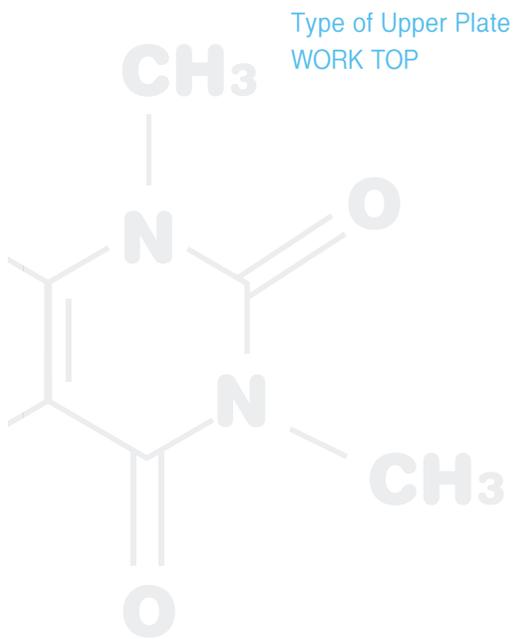


Steel Frame



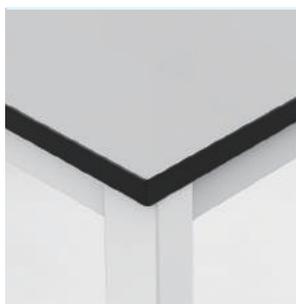
PARTS SPECIFICATION

Name	Aluminium Frame	Steel Frame	Option
① Top Plate	Phenol Laminate 20T	Phenol Laminate 20T	Epoxy 25~30T, HPM20T, MW30T
② Horizontal Bar	Aluminium Profile 50×50+ Steel Plate 1.6T(EGl)	Steel Plate 1.6T(EGl)	-
③ Vertical Frame	Aluminium Profile 44×30+ Steel Plate 1.6T(EGl)	Steel Plate 2.3T(EGl) 60×40 Per Plate	
④ Util Post	Aluminium Profile 180×70	Steel Plate 1.6T(EGl)	-
⑤ Util Cover	Aluminium Profile 140×13.5	Steel Plate 1.2T(EGl)	-
⑥ Skirt Plate	Steel Plate 1.2T(EGl)	Steel Plate 1.2T(EGl)	-
⑦ Util Box Composition	4 sets of 220V or 110V outlet attached	4 sets of 220V or 110V outlet attached	Gas Cock : for vacuum, compressed air, vapor, telephone, LAN equipment, etc
⑧ Shelf	<ul style="list-style-type: none"> • Tempered Glass 8.0T • Front and Back Guide: Aluminum • Side BKT: Steel Plate 4.5T 	<ul style="list-style-type: none"> • Tempered Glass 8.0T • Front and Back Guide: Aluminum • Side BKT: Steel Plate 4.5T 	-
• Material Properties	<ul style="list-style-type: none"> • Light and beautiful appearance • Nonpoisonous and no chemical reaction • No influence of electromagnetic waves • Good quality of formality • An increase in strength when temperature goes down • Possible to recycle (eco-friendly) • Load of 400Kg 	<ul style="list-style-type: none"> • High strength with durability • Affordable price and high availability • Good quality of formality • Possible to recycle (eco-friendly) • Load of 400Kg 	-



WORK TOP

The upper plate of a table that is used in a lab is often exposed to various traces of chemicals, liquid vapor and heat, resulting in discoloration and deformation. TJEN LAB FURNITURE is basically designed to have high durability and uses materials that can withstand chemical components.



Phenolic Laminate

- Concept of compact heat line with treatment of chemical resistance / layer structure of phenolic resin
- 20mm used in general / used in a specialized lab

Feature

- Possible to choose a variety of thickness, size and color / easy to assemble using screws
- High chemical resistance and durability compared to unit price

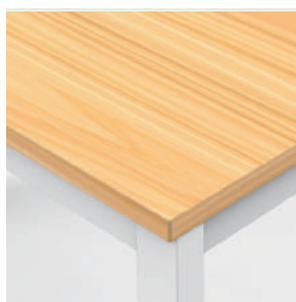


Epoxy

- Used in a specialized lab / thickness of 20 – 30mm
- Material combined with epoxy resin and chemical resistance resin, and produced by press-molding with consistent compression

Feature

- Chemical resistance, durability and wet endurance still remain intact due to exquisiteness of upper surface, even after any flaws on surface happen



HPM

- Used in a specialized lab / 18T PB + HPM

Feature

- Possible to choose to cater to each lab's characteristics due to various colors in composition
- Possible to organize an effective lab at reasonable price

Standard
and
Application

Type	Standard(Thickness)	Application	Remark
PH	20t	Central Frame Wall Frame Corner Frame Sink(excluding HPM 20t)	Standard application
EP	25t-30t		Option
HPM(MW)	20t		Option



Aluminium

Aluminium frame type



Upper Cupboard

Convenient to store experimental tools, books and other articles

- Box: PB15-18T
- Door: Sliding door-typed tempered glass



Phenol Laminate Work Top (Standard 20t)

Attaching work Top with chemically resistant & durable tempers

- Epoxy 25T-30T
- HPM 20T



High quality of AL. Profile Frame

By processing the surface with anodizing, high in degree of hardness & excellent in corrosion resistance



Utility Box

Attached to 4 sockets with 220V(110V) (Basic Composition)

+ OPTION :

- Gas Facilities, LAN, Telephone port etc



Concent Panel(B Type)

- equipped in both sides of the experiment frame, maximizing the space utilization of its work Top
- available to choose 220V/110V
- basically 2 sockets, able to extend the sockets of outlet according to user's request



Anti Vibration Controller

- Able to control minute level
- Available to adjust the flat level on the crooked floor by applying the connector (controlling 50 mm)



Shelf

- Adopting 8.0T tempered glass with impact-resistant, pressure-resistant, heat-resisting properties
- As for Shelf Guide, applying AL. Profile
- As for shelf, available to adjust 3 stages with 60mm intervals



Shelf / Point Color

- Applying graceful & deluxe point color to the Guide front



Aluminium frame type

Central Table – Storage type

Equipped with the upper cupboard able to store various experiment tools & books and other articles, providing convenient & delightful experimental space.

A-TYPE

- TLA-D1515 (1500x1500x2000) / 2
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



B-TYPE

- TLA-D1515 (1500x1500x2000) / 2
- TLA-S1575 (1500x750x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2
- TL-P550 (550x700x120) / 1



C-TYPE

- TLA-D1515 (1500x1500x2000) / 2
- TLA-S750 (750x1500x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



Basic Components



TLA-D1515



TLA-S1575



TLA-S750

OPTION



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Central Table – Shelf Type

A structure of 2 stage reagent stand available to control the height, able to create the space, also safe because of being installed with shelf guide

A-TYPE

- TLA-C1515 (1500x1500x2000) / 2
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



B-TYPE

- TLA-C1515 (1500x1500x2000) / 2
- TLA-S1575(1500x750x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2
- TL-P550 (550x700x120) / 1



C-TYPE

- TLA-C1515 (1500x1500x2000) / 2
- TLA-S750 (750x1500x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



Basic Components



TLA-C1515



TLA-S1575



TLA-S750

OPTION



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Aluminium frame type

Central Table – Outlet Type

A type with no reagent stand, suitable for using with putting the big experimental facilities such as a drier

A-TYPE

- TLA-B1515 (1500x1500x910) / 2
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



B-TYPE

- TLA-B1515 (1500x1500x910) / 2
- TLA-S1575(1500x750x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



C-TYPE

- TLA-B1515 (1500x1500x910) / 2
- TLA-S750 (750x1500x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



Basic Components



TLA-B1515



TLA-S1575



TLA-S750

OPTION



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Central Table – Basic Type

A basic model without outlet or shelf, able to make the best use of the upper plate & use it with putting the experiment tools without any height limit

A-TYPE

- TLA-A1515 (1500x1500x800) / 2
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



B-TYPE

- TLA-A1515 (1500x1500x800) / 2
- TLA-S1575(1500x750x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



C-TYPE

- TLA-A1515 (1500x1500x800) / 2
- TLA-S750 (750x1500x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



Basic Components



TLA-A1515



TLA-S1575



TLA-S750

OPTION



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Aluminium frame type

Side Table – Storage Type

Equipped with the upper cupboard able to store various experiment tools & books and other articles, providing convenient & delightful experimental space

A-TYPE

- TLA-D1575 (1500x750x2000) / 2
- TLD-3D (423x520x720) / 1
- TLD-C (423x520x720) / 1



B-TYPE

- TLA-D1575 (1500x750x2000) / 1
- TLD-3D (423x520x720) / 1
- TLD-WC (950x520x720) / 1



C-TYPE

- TLA-D1575 (1500x750x2000) / 1
- TLD-3D (423x520x720) / 1



D-TYPE

- TLA-D1575 (1500x750x2000) / 1
- TLD-C (423x520x720) / 1



Basic Components

OPTION



TLA-D1575



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Side Table – Shelf Type

A structure of 2 stage reagent stand available to control the height, able to create the space, also safe because of being installed with shelf guide

A-TYPE

- TLA-C1575 (1500x750x2000) / 2
- TLD-3D (423x520x720) / 1
- TLD-C (423x520x720) / 1



B-TYPE

- TLA-C1575 (1500x750x2000) / 1
- TLD-3D (423x520x720) / 1
- TLD-WC (950x520x720) / 1



C-TYPE

- TLA-C1575 (1500x750x2000) / 1
- TLD-3D (423x520x720) / 1



D-TYPE

- TLA-C1575 (1500x750x2000) / 1
- TLD-C (423x520x720) / 1



Basic Components

OPTION



TLA-C1575



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Aluminium frame type

Side Table – Outlet Type

A type with no reagent stand, suitable for using with putting the big experimental facilities such as a drier

A-TYPE

- TLA-B1575 (1500x750x910) / 2
- TLD-3D (423x520x720) / 1
- TLD-C (423x520x720) / 1



B-TYPE

- TLA-B1575 (1500x750x910) / 1
- TLD-3D (423x520x720) / 1
- TLD-WC (950x520x720) / 1



C-TYPE

- TLA-B1575 (1500x750x910) / 1
- TLD-3D (423x520x720) / 1



D-TYPE

- TLA-B1575 (1500x750x910) / 1
- TLD-C (423x520x720) / 1



Basic Components

OPTION



TLA-B1575



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Side Table – Basic Type

A basic model without outlet or shelf, able to make the best use of the upper plate & use it with putting the experiment tools without any height limit

A-TYPE

- TLA-A1575 (1500x750x800) / 2
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- TLD-C (423x520x720) / 1



B-TYPE

- TLA-A1575 (1500x750x800) / 1
- TLD-3D (423x520x720) / 1
- TLD-WC (950x520x720) / 1



C-TYPE

- TLA-A1575 (1500x750x800) / 1
- TLD-3D (423x520x720) / 1



D-TYPE

- TLA-A1575 (1500x750x800) / 1
- TLD-C (423x520x720) / 1



Basic Components

OPTION



TLA-A1575



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Aluminium frame type

Corner Table

An excellent product for the purpose of utilizing the corner space in the LAB,
available to use with the kinds of basic type, outlet type, reagent shelf type, storage type

TLA-EA

- TLA-EA12 (1200x1200x800)



TLA-EB

- TLA-EB12 (1200x1200x910)



TLA-EC

- TLA-EC12 (1200x1200x2000)



TLA-ED

- TLA-ED12 (1200x1200x2000)



Sink Table

Composed of upper plate(Phenol) & bowl(PP) with high durability & chemical resistance, by being connected with experiment frame, able to wash the tools in comfort in case of experiment

TLA-S1575

• TLA-S1575 (1500x750x800(1050))



TLA-S750

• TLA-S750 (750x1500x800(1050))



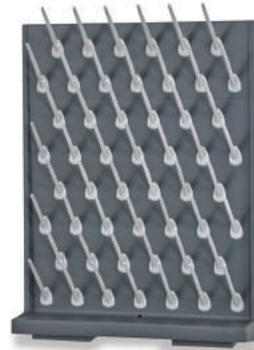
PEG BOARD

• TL-P400 (400x550x110)



PEG BOARD

• TL-P550 (550x700x120)



Phenol Laminate Work Top(Standard 20t)
Attaching work Top with chemically-resistant & durable tempers



Water Guard
The glass protector(8t) is to prevent water from spilling over the sink area.



Sink Bowl
Sink bowl(PP) has excellent chemical resistance and it is safe as washed.



Water Faucet
Available to choose standard tap or chemical tap according to experiment type and usage.
Option



Eye Shower Option
Available to install an eye washer to wash eyes as an accident.



Steel

Steel Frame type



Upper Cupboard

Convenient to store experimental tools, books and other articles

- Box: PB15-18T
- Door: Sliding door-typed tempered glass



Phenol Laminate Work Top (Standard 20t)

Attaching work Top with chemical-resistant & durable tempers

- Epoxy 25T-30T
- HPM 20T



EGI Steel Frame

By processing the surface with anodizing, high in degree of hardness & excellent in corrosion resistance



Utility Box

Attached to 4 sockets with 220V(110V) (Basic Composition)

+ OPTION :

- Gas Facilities, LAN, Telephone port etc



Concent Panel (B Type)

- equipped in both sides of the experiment frame, maximizing the space utilization of its work Top
- available to choose 220V/110V
- basically 2 sockets, able to extend the sockets of outlet according to user's request



Anti Vibration Controller

- Able to control minute level
- Available to adjust the flat level on the crooked floor by applying the connector (controlling 50 mm)



Shelf

- Adopting 8.0T tempered glass with impact-resistant, pressure-resistant, heat-resisting properties
- As for Shelf Guide, applying AL Profile
- As for shelf, available to adjust 3 stages with 60mm intervals



Shelf / Point Color

- Applying graceful & deluxe point color to the Guide front

Steel frame type

Central Table – Storage type

Equipped with the upper cupboard able to store various experiment tools & books and other articles, providing convenient & delightful experimental space

A-TYPE

- TLS-D1515 (1500x1500x2000) / 2
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



B-TYPE

- TLS-D1515 (1500x1500x2000) / 2
- TLS-S1575(1500x750x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2
- TL-P550 (550x700x120) / 1



C-TYPE

- TLS-D1515 (1500x1500x2000) / 2
- TLS-S750 (750x1500x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



Basic Components



TLS-D1515



TLS-S1575



TLS-S750

OPTION



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Central Table – Shelf Type

A structure of 2 stage reagent stand available to control the height, able to create the space, also safe because of being installed with shelf guide

A-TYPE

- TLS-C1515 (1500x1500x2000) / 2
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



B-TYPE

- TLS-C1515 (1500x1500x2000) / 2
- TLS-S1575(1500x750x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2
- TL-P550 (550x700x120) / 1



C-TYPE

- TLS-C1515 (1500x1500x2000) / 2
- TLS-S750 (750x1500x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



Basic Components



TLS-C1515



TLS-S1575



TLS-S750

OPTION



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Steel frame type

Central Table – Outlet Type

A type with no reagent stand, suitable for using with putting the big experimental facilities such as a drier

A-TYPE

- TLS-B1515 (1500x1500x910) / 2
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



B-TYPE

- TLS-B1515 (1500x1500x910) / 2
- TLS-S1575(1500x750x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



C-TYPE

- TLS-B1515 (1500x1500x910) / 2
- TLS-S750 (750x1500x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



Basic Components



TLS-B1515



TLS-S1575



TLS-S750

OPTION



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Central Table – Basic Type

A basic model without outlet or shelf, able to make the best use of the upper plate & use it with putting the experiment tools without any height limit

A-TYPE

- TLS-A1515 (1500x1500x800) / 2
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



B-TYPE

- TLS-A1515 (1500x1500x800) / 2
- TLS-S1575(1500x750x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



C-TYPE

- TLS-A1515 (1500x1500x800) / 2
- TLS-S750 (750x1500x800(1050)) / 1
- TLD-3D (423x520x720) / 2
- TLD-C (423x520x720) / 2



Basic Components



TLS-A1515



TLS-S1575



TLS-S750

OPTION



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Steel frame type

Side Table – Storage Type

Equipped with the upper cupboard able to store various experiment tools & books and other articles, providing convenient & delightful experimental space

A-TYPE

- TLS-D1575 (1500x750x2000) / 2
- TLD-3D (423x520x720) / 1
- TLD-C (423x520x720) / 1



B-TYPE

- TLS-D1575 (1500x750x2000) / 1
- TLD-3D (423x520x720) / 1
- TLD-WC (950x520x720) / 1



C-TYPE

- TLS-D1575 (1500x750x2000) / 1
- TLD-3D (423x520x720) / 1



D-TYPE

- TLS-D1575 (1500x750x2000) / 1
- TLD-C (423x520x720) / 1



Basic Components

OPTION



TLS-D1575



TLD-C



TLD-3D



TLD-3D



TLD-WC

Side Table – Shelf Type

A structure of 2 stage reagent stand available to control the height, able to create the space, also safe because of being installed with shelf guide

A-TYPE

- TLS-C1575 (1500x750x2000) / 2
- TLD-3D (423x520x720) / 1
- TLD-C (423x520x720) / 1



B-TYPE

- TLS-C1575 (1500x750x2000) / 1
- TLD-3D (423x520x720) / 1
- TLD-WC (950x520x720) / 1



C-TYPE

- TLS-C1575 (1500x750x2000) / 1
- TLD-3D (423x520x720) / 1



D-TYPE

- TLS-C1575 (1500x750x2000) / 1
- TLD-C (423x520x720) / 1



Basic Components

OPTION



TLS-C1575



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Steel frame type

Side Table – Outlet Type

A type with no reagent stand, suitable for using with putting the big experimental facilities such as a drier

A-TYPE

- TLS-B1575 (1500x750x910) / 2
- TLD-3D (423x520x720) / 1
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B-TYPE

- TLS-B1575 (1500x750x910) / 1
- TLD-3D (423x520x720) / 1
- TLD-WC (950x520x720) / 1



C-TYPE

- TLS-B1575 (1500x750x910) / 1
- TLD-3D (423x520x720) / 1



D-TYPE

- TLS-B1575 (1500x750x910) / 1
- TLD-C (423x520x720) / 1



Basic Components

OPTION



TLS-B1575



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Side Table – Basic Type

A basic model without outlet or shelf, able to make the best use of the upper plate & use it with putting the experiment tools without any height limit

A-TYPE

- TLS-A1575 (1500x7500x800) / 2
- TLD-3D (423x520x720) / 1
- TLD-C (423x520x720) / 1



B-TYPE

- TLS-A1575 (1500x750x800) / 1
- TLD-3D (423x520x720) / 1
- TLD-WC (950x520x720) / 1



C-TYPE

- TLS-A1575 (1500x750x800) / 1
- TLD-3D (423x520x720) / 1



D-TYPE

- TLS-A1575 (1500x750x800) / 1
- TLD-C (423x520x720) / 1



Basic Components

OPTION



TLS-A1575



TLD-C



TLD-3D



TLD-3DC



TLD-WC

Steel frame type

Corner Table

An excellent product for the purpose of utilizing the corner space in the LAB, available to use with the kinds of basic type, outlet type, reagent shelf type, storage type

TLS-EA

• TLS-EA12 (1200x1200x800)



TLS-EB

• TLS-EB12 (1200x1200x910)



TLS-EC

• TLS-EC12 (1200x1200x2000)



TLS-ED

• TLS-ED12 (1200x1200x2000)



Sink Table

Composed of upper plate(Phenol) & bowl(PP) with high durability & chemical resistance, by being connected with experiment frame, able to wash the tools in comfort in case of experiment

TLS-S1575

• TLS-S1575 (1500x750x800(1050))



TLS-S750

• TLS-S750 (750x1500x800(1050))



PEG BOARD

• TL-P400 (400x550x110)



PEG BOARD

• TL-P550 (550x700x120)



Phenol Laminate Work Top(Standard 20t)
Attaching work Top with chemically-resistant & durable tempers



Water Guard
The glass protector(8t) is to prevent water from spilling over the sink area.



Sink Bowl
Sink bowl(PP) has excellent chemical resistance and it is safe as washed.



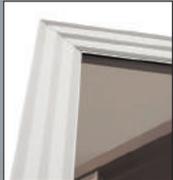
Water Faucet
Available to choose standard tap or chemical tap according to experiment type and usage.
Option



Eye Shower Option
Available to install an eye washer to wash eyes as an accident.

Storage

Storage
Movable Storage
Safety Cabinet



AL-Frame Structure
Excellent durability and shelf price adjustable.
Easy to store



Shock-absorbing System
Use of shock-absorbing device to prevent a door from being closed suddenly, avoiding destruction of payload inside.



Bronze Color Glass
Being able to protect chemicals kept inside storage, and enhancing storage efficiency due to its transparency.



Storage

Storage

It is a practical storage to keep chemicals safely and store lab furniture conveniently.



TLR-A1000
800x510x1000



TLR-A2000
800x510x2000



TLR-B2000
800x510x2000



TLR-BD2000
800x510x2000



TLR-C2000
800x510x2000



TLR-D2000
800x510x2000



TLD-C
423x520x720



TLD-3D
423x520x720



TLD-3DC
950x520x720



TLD-WC
950x520x720





EQUIPMENT

Bio safety cabinet
Fumehood
Reagent safety cabinet
Safety cabinet

EQUIPMENT

Bio safety cabinet



CE Bio safety cabinet

Bio Hazard Safety Cabinet(Class II A2) for a variety of life science & clinical applications, focusing on the maximized safety of lab researcher.

Downflow HEPA filter performs air filtration for the re-circulating air (70% of contaminated air) & Outflow HEPA filter makes the exhaust gas (30% of contaminated air) clean, which is compatible with Class II type Bio Safety Cabinet Elaborate air flow meets the high safety level, which enables to protect researcher, sample and environment.

General Features

Safety for Researchers and Samples

Contaminated air inside work table is blocked to go out underneath the glass door by downflow air and inflow air.
Work table shall not be polluted by inflow air due to the negative pressure to lead the air to HEPA filter directly.

HEPA filter

It filters particles as tiny as $0.3 \mu\text{m}$ with an efficiency rating of 99.99.%.

Burn prevention from UV Lamp in use

Automatic Switch off of UV lamp when door opens.
UV Lamp never switch on while FL Lamp is lights on.

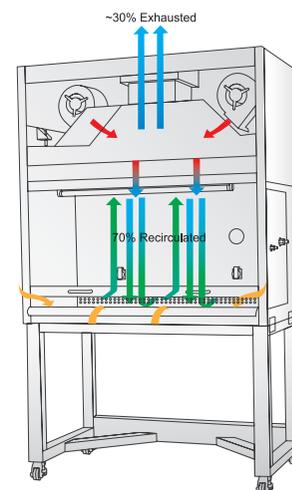
Silent Blower

An atmosphere of calm in laboratory with less vibration and noise.

Three-side Glass Window for easy view

User can see inside from various angles due to the glass structures in front door & left wall & right wall.

Flow Dynamics



- Inflow Air
- Filtered Air
- Contaminated Air pulled in the upper plenum by negative pressure
- Contaminated Air filtered to Clean Recirculating Air



Specification

PART	MODEL			PURICUBE			
				PURICUBE 900	PURICUBE 1200	PURICUBE 1500	PURICUBE 1800
Exterior	Size	In	W(mm)	890	1190	1490	1790
			D(mm)	565			
			H(mm)	600			
		Out	W(mm)	960	1260	1560	1860
			D(mm)	850			
			H(mm)	2085			
	Controller	Display		Back light LCD display panel			
		Lamp Control		FL lamp On/Off, UV lamp On/Off, UV lamp timer, Total using time			
	Glass Door			Weight balanced sliding tempered safety glass 5mm thick			
Material	Inside Material			Stainless steel plate 304			
	Outside Material			Steel plate with epoxy powder coated			
Performance	Certificate			CE			
	HEPA filter			0.3um Partical removal 99.993% / Class 100			
	Noise (dB)			< 65dB			
	Air circulation			70% Re-circulation & 30% vent outside through hepa filter			
	UV lamp safety			UV lamp is switched off automatically when operator opens the glass door			
Power	FL lamp		20W x 2EA	30W x 2EA		40W x 2EA	
	UV lamp		20W x 1EA	30W x 1EA		40W x 1EA	
	Plug type			European 220 VAC 50/60Hz STD plug			
	Power consumption		180W	330W	570W	600W	
	Consent			220V x 2EA			
	Electrical			With the use of fuses which are optimal to each part, overcurrent is shut off.			
Valve	Gas			1EA			
	Air			1EA			

EQUIPMENT

Fumehood



Fumehood

Essential fume hood used in most of laboratories to protect users and lab environment from toxic fume, hazardous gas, vapor and dusts by ducting system.

This bypass fume hood (duct type) is devised for the high efficiency of ventilation system.

General Features

Anti-Corrosion Components

- Remove the risk of gas leakage through copper Welding between valve and fitting.
- Welding connection between valves and fittings secure no leakage.

Leak-tight Structure in Worktop

- Worktop is devised for leak-tight sump (Available in Ceramite type / Stainless Steel type).

Optional Materials for Various Chemical Resistance

- Worktop: Ceramite (Standard), Phenol Laminate (Option), Stainless Steel (Option).
- Wall Plate : Stainless Steel (Standard), Phenol Laminate (Option).

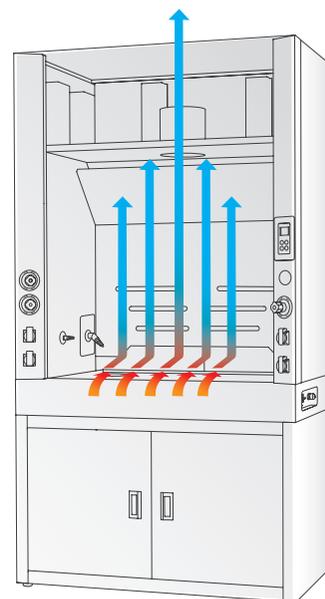
Automatic Damper System with LCD controller Option

- Minimum air velocity while at close helps energy saving effect.
- Optimal air velocity while at work is reached automatically.
- Human detection sensor can also be available.

Emergency Alarm with Air Velocity Monitor Option

- Emergency Alarm for abnormal lower / Higher air velocity than setting value

Flow Dynamics



- Room Air
- Contaminated air removed by negative pressure

Air Flow Uniformity Simulation via CFD (Computational Fluid Dynamics)

CFD modeling method is applied to secure the safe level of air flow, considering variable environment factors.

Specification

PART	MODEL		PURIFUME				
			PURIFUME 1200	PURIFUME 1500	PURIFUME 1800	PURIFUME 2100	
Exterior	Size	In	W(mm)	1000	1300	1600	1900
			D(mm)	660			
			H(mm)	960			
		Out	W(mm)	1200	1500	1800	2100
			D(mm)	872			
			H(mm)	2225			
	Type		Bypass air type				
	Controller		Lamp, Blower Switch ON / OFF				
	Glass Door		Weight balanced sliding tempered safety glass 5mm thick				
	Bottom Rack		Storage cabinet				
Sink		Cup sink x 1EA					
Duct		Φ200 / Φ250 / Φ300					
Material	Inside Material		Stainless steel plate 304				
	Outside Material		Steel plate with epoxy powder coated				
	Worktop Material		Ceramite 30mm				
Performance	FL lamp		20W x 1EA		30W x 1EA		
	Plug type		European 220 VAC 50/60Hz STD 1 phase				
	Consent		220V x 2EA / 110V x 2EA				
	Electrical		With the use of fuses which are optimal to each part, overcurrent is shut off.				
Valve	Gas		1EA				
	Water		1EA				
	Air		1EA				

Part	MODEL	PURIFUME				
		900	1200	1500	1800	
Option	① PURIFUME LCD Control system ② Air velocity monitor ③ Additional Sirocco fan ④ Choose Material for Inside Material(Stainless steel plate 316, Laminate 5mm) ⑤ Choose Material for Worktop Material(Stainless steel plate 304 / 316, Laminate 20mm) ⑥ Additional sink (Cup, Square) ⑦ Additional valve & cock (Gas, Water, Air) ⑧ Additional consent (220V, 110V)					
	⑨ Blower	Air volume	9 ~ 18ccm	12 ~ 23ccm	14 ~ 29ccm	17 ~ 34ccm
		Air velocity	0.25 ~ 0.5m/s			
		Emission capacity	¼ HP	¼ HP	½ HP	½ HP

EQUIPMENT

Reagent safety cabinet



Reagent safety cabinet

Safe and efficient storage cabinet of reagent and chemicals by function with isolating hazardous gases and foul air which can affect laboratory air, or purifying those chemical gases itself in some subject models.

Air-tight / circulation / duct type reagent safety cabinet able to be adopted according to user's needs. Air-tight / circulation cabinet among the models has pre filter & carbon filter as a standard, also has HEPA filter or Ion Cluster as an option.

General Features

Hazardous substance 99.8% removal by activated carbon filter

- Certified by KIMM.
- Certificate No.: KIMM - 14 - 1112.

Structured into tempered glass door and aluminum door frame

- Tempered glass door has the resistance against reagents.
- Anti-corrosive aluminum door frame.

Providing variable options of shelf materials

- PVC coated shelf for optimal air circulation (Standard).
- Chemical resistant epoxy coated rail shelf (Option).

Bottom tray against reagent leakage

- Prevent dangers from reagent leaking out of the cabinet.

Magnetic door sealing

- Isolates internal gases and foul air through advanced sealing of the door.

Installation of low noise blower

- Low vibration of blower.
- Stable and long last.

Puricircul Three Models

Air-tight

Internal air is purified by filter and re-circulated
Internal air is not exhausted.

Circulation

Internal air is exhausted to laboratory after being filtered
(Optional duct)

Duct

Internal air is exhausted to outside through duct
(optional filters)

Specification

PART	MODEL			PURICICUL	
				PURICICUL 600	PURICICUL 1200
Exterior	Size	In	W (mm)	640	1380
			D (mm)	660	
			H (mm)	1560	
		Out	W (mm)	740	1480
			D (mm)	743	
			H (mm)	2043	
	Controller			LED lamp, Blower switch ON / OFF	
	Glass Door			Two-sided tempered safety glass door	
	Caster			Leveling caster	
	Capacity			1L Reagent bottle 144pcs	1L Reagent bottle
Material	Inside Material			Steel plate with epoxy powder coated	
	Outside Material			Steel plate with epoxy powder coated	
	Shelf Material			PVC coated wire shelves / 4EA	PVC coated wire
Performance	Noise (dB)			<50dB	
	Lock the door			Dial Key lock	
	Safety			Checking filter port	
Power	Lamp			LED lamp	
	Plug type			European 220 VAC 50/60Hz STD plug	
	Electrical			With the use of fuses which are optimal to each part	
Valve	Filter Check Cartridge			Filter Replacement Time	
	Pre filter			Polyester fibers	
	Carbon filter			3 in 1 Hybrid Filter	

Options

PART	MODEL			PURICICUL	
				PURICICUL 600	PURICICUL 1200
Option	<ul style="list-style-type: none"> ① Sliding drawer type ② Additional shelves (Drawers, Wire shelves) ③ Additional filter (HEPA filter) ④ Additional filter (Ion Cluster) 				

Safety Cabinet

Safety Cabinet

Storing inflammable substances (containers) in a safe way to delay second explosion in a fire, give enough time to evacuate, minimize loss of lives and extinguish fire at an initial stage.

TSC

- TSC-C1060 1060 x 500 x 1850
- TSC-CM1060 1060 x 500 x 1900

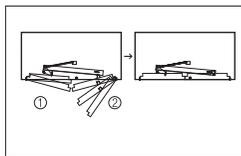


한국산업안전보건공단

Korea Occupational Safety & Health Agency
Agency Safety Authenticated Product
With Certification of S Mark

1 Door-Closed Function

When closing a door or in a fire (Ambient temperature: 50°C~70 °C), No. 1 Door (left) is automatically closed, and in sequence, No. 2 Door (right) is followed, staying sealed.



2 Auto-Door Closing Device

- Keeping an open angle of 120° from left to right (Fixed).
- When ambient temperature rises to more than 50°C~70 °C, the door is closed by the built-in fuse being activated.



Korea Testing Laboratory
Function Authenticated Product
with Certification of K Mark

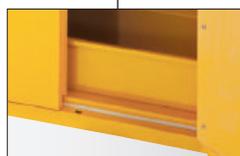


Certificate of a Patent on
Hazardous Substance Cabinet



3 Cabinet Double Wall Steel Structure and Special Heat Resistance Construction

Even when outdoor temperature heats up to 736°C, due to fire, indoor temperature can be kept at 177°C, for 15 minutes.



4 Leakage Storage Container

Storage container is installed at the bottom in preparation for any leakage from stored substances.



5 Foot Master

Easy relocation due to wheels at the bottom.

Safety Cabinet



TSC-C1060 1060 x 500 x 1850
TSC-CM1060 1060 x 500 x 1900



TSC-C618 600 x 500 x 1850
TSC-CM618 600 x 500 x 1900



TSC-C1012 1060 x 500 x 1250
TSC-CM1012 1060 x 500 x 1300



TSC-C612 600 x 500 x 1250
TSC-CM612 600 x 500 x 1300

Air – Tank Cabinet

Air Tank Cabinet to prevent explosion in case of fire by storage gas separately and safely.



TSC-AT1060
1060 x 500 x 1850



① Hole for the dust connection ② Fixing chain for gas connection





PRODUCT LIST



TJEN Product List
Aluminium frame type

Central Table



Central Table - Storage type
TLA-D1215 1200x1500x2000
TLA-D1515 1500x1500x2000
TLA-D1815 1800x1500x2000



Central Table - Shelf Type
TLA-C1215 1200x1500x2000
TLA-C1515 1500x1500x2000
TLA-C1815 1800x1500x2000



Central Table - Outlet Type
TLA-B1215 1200x1500x910
TLA-B1515 1500x1500x910
TLA-B1815 1800x1500x910



Central Table Stand - Basic Model
TLA-A1215 1200x1500x800
TLA-A1515 1500x1500x800
TLA-A1815 1800x1500x800

Side Table



Side Table - Storage Type
TLA-D1275 1200x750x2000
TLA-D1575 1500x750x2000
TLA-D1875 1800x750x2000



Side Table - Shelf Type
TLA-C1275 1200x750x2000
TLA-C1575 1500x750x2000
TLA-C1875 1800x750x2000



Side Table - Outlet Type
TLA-B1275 1200x750x910
TLA-B1575 1500x750x910
TLA-B1875 1800x750x910



Side Table - Basic Type
TLA-A1275 1200x750x800
TLA-A1575 1500x750x800
TLA-A1875 1800x750x800

Corner Table



Corner Table - Basic Type
TLA-EA12 1200x1200x800



Corner Table - Outlet Type
TLA-EB12 1200x1200x910



Corner Table - Shelf Type
TLA-EC12 1200x1200x2000



Corner Table - Storage Type
TLA-ED12 1200x1200x2000

Sink Table



Sink Table(one-side)
TLA-S1575 1500x750x800(1050)



Sink Table(Both-sided)
TLA-S750 750x1500x800(1050)

TJEN Product List
Steel frame type



Central Table - Storage type
 TLS-D1215 1200x1500x2000
 TLS-D1515 1500x1500x2000
 TLS-D1815 1800x1500x2000



Central Table - Shelf Type
 TLS-C1215 1200x1500x2000
 TLS-C1515 1500x1500x2000
 TLS-C1815 1800x1500x2000



Central Table - Outlet Type
 TLS-B1215 1200x1500x910
 TLS-B1515 1500x1500x910
 TLS-B1815 1800x1500x910



Central Table Stand - Basic Model
 TLS-A1215 1200x1500x800
 TLS-A1515 1500x1500x800
 TLS-A1815 1800x1500x800

Central Table



Side Table - Storage Type
 TLS-D1275 1200x750x2000
 TLS-D1575 1500x750x2000
 TLS-D1875 1800x750x2000



Side Table - Shelf Type
 TLS-C1275 1200x750x2000
 TLS-C1575 1500x750x2000
 TLS-C1875 1800x750x2000



Side Table - Outlet Type
 TLS-B1275 1200x750x910
 TLS-B1575 1500x750x910
 TLS-B1875 1800x750x910



Side Table - Basic Type
 TLS-A1275 1200x750x800
 TLS-A1575 1500x750x800
 TLS-A1875 1800x750x800

Side Table



Corner Table - Basic Type
 TLS-EA12 1200x1200x800



Corner Table - Outlet Type
 TLS-EB12 1200x1200x910



Corner Table - Shelf Type
 TLS-EC12 1200x1200x2000



Corner Table - Storage Type
 TLS-ED12 1200x1200x2000

Corner Table

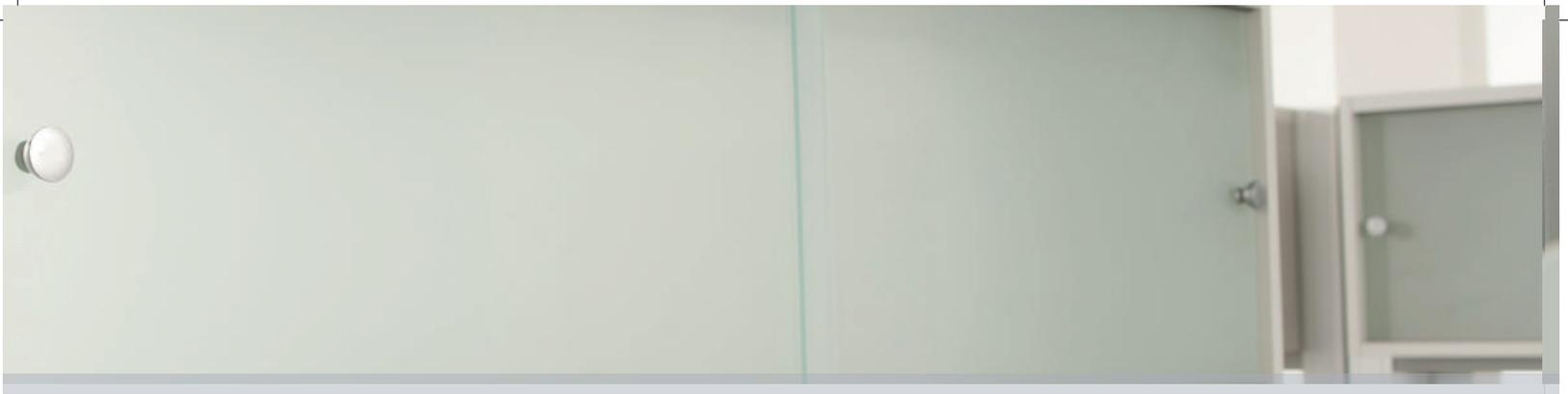


Sink Table (one-side)
 TLS-S1575 1500x750x800(1050)



Sink Table (Both-sided)
 TLS-S750 750x1500x800(1050)

Sink Table



TJEN Product List
Storage / Movable Storage / Safety Cabinet

Storage



TLR-A1000 800x510x1000	TLR-A2000 800x510x2000	TLR-B2000 800x510x2000	TLR-BD2000 800x510x2000	TLR-C2000 800x510x2000	TLR-D2000 800x510x2000
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Movable Storage

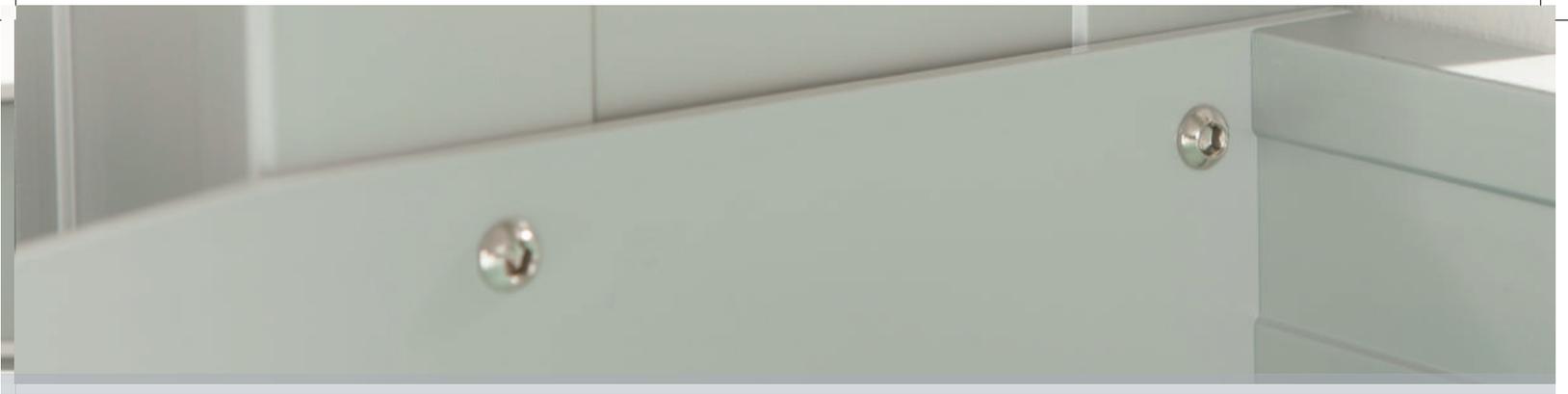


TLD-C 423x520x720	TLD-3D 423x520x720	TLD-3DC 950x520x720	TLD-WC 950x520x720
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Safety Cabinet



TSC-C1060 1060x500x1850	TSC-C618 600x500x1850	TSC-C1012 1060x500x1250	TSC-C612 600x500x1250	TSC-AT1060 1060x500x1850
TSC-CM1060 1060x500x1900	TSC-CM618 600x500x1900	TSC-CM1012 1060x500x1300	TSC-CM612 600x500x1300	



TJEN Product List
Equipment / Water Guard / Lab Chair

Equipment



BIO SAFETY CABINET



FUME HOOD



REAGENT SAFETY CABINET

PEG Board



TL-P400
400x550x110



TL-P550
550x700x120

Lab Chair



TMC99 Stool Ring



TMC98 Stool



TSY-6015 Stool



TSW-407 Stool

TAEJIN

TAEJIN pursuing advanced management and advanced technology

TAEJIN ENG, as a professional company that makes tool storage systems, work tables, lab furniture, clamping tools, and material handling equipment is the leading manufacturer and the key brand in the same field.

Obtaining various certification in domestic and foreign such as ISO9001, ISO14001

Technology and design gained from not only VNZ but also many institute in domestic and foreign are the pride of TAEJIN. We, TAEJIN promise to be always with customers increasing productivity and developing working environment by the innovative products of TAEJIN.

