

PRODUCT MAMUAL

PRODUCT GUIDELINES
FOR LABORATORY
EQUIPMENT



5A FUME HOOD + TURNKEY LABORATORY
HIGH-END MANUFACTURER

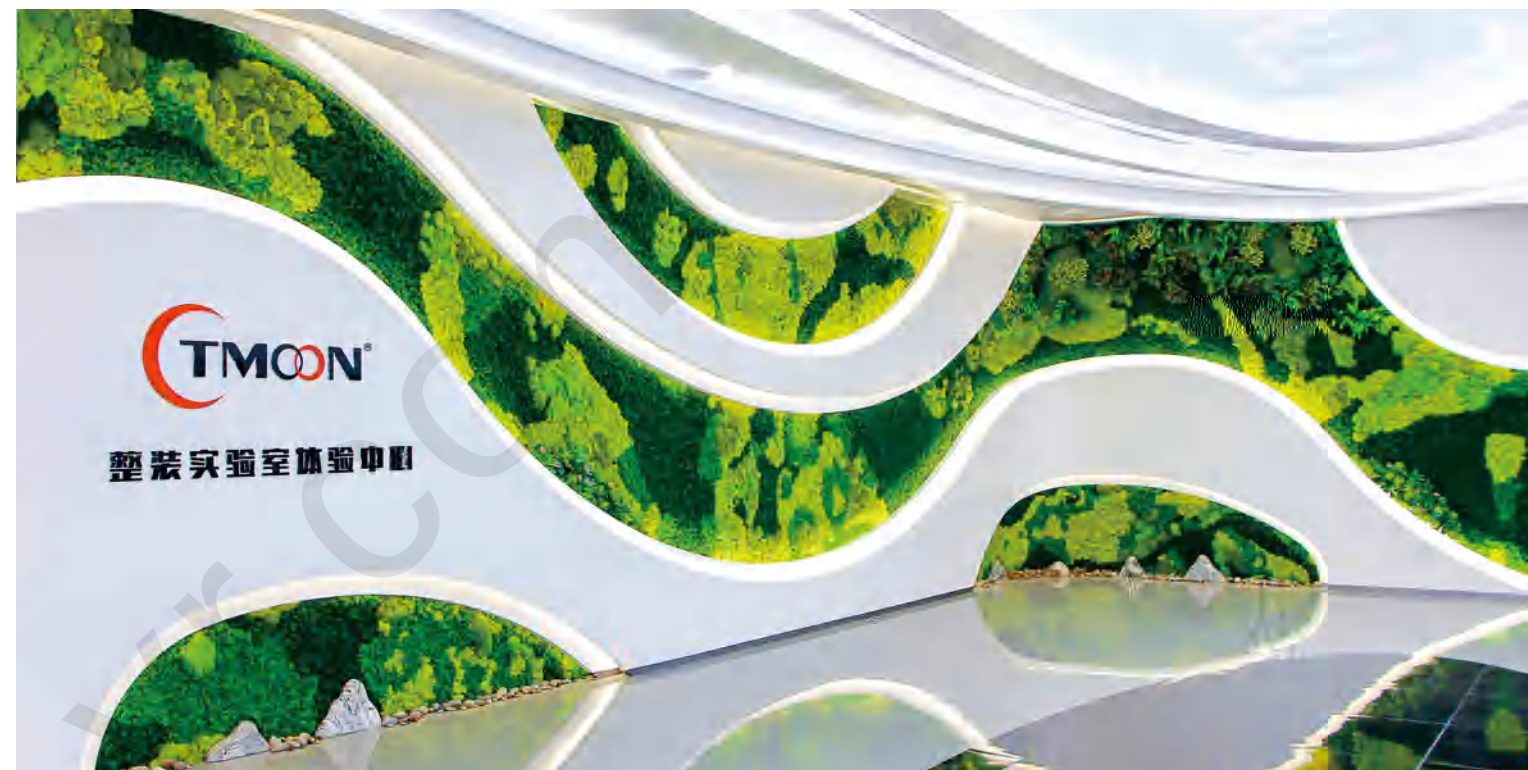


实验装备高端品牌
行业生态开放平台

LABORATORY EQUIPPED HIGH-END BRAND
INDUSTRY ECOLOGICAL OPEN PLATFORM



5A FUME HOOD + TURNKEY LABORATORY
HIGH-END MANUFACTURER



Turnkey Laboratory Experience Center

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01 ABOUT US

BRAND PROFILE

TMOON — One of the leading brands of laboratory equipment in China. TMOON has always adhered to the concept of “Win-Win & Mutual Development” since establishment in order to create a platform-based, industrialized and high-end TMOON.

TMOON, focusing on technological innovation, is committed to integrating excellent industry resources, and improving product standards and industrial structure so as to lead the innovative construction of a new generation of high-end laboratories and future intelligent management, and continuously improve the core capabilities of laboratory industry in China.





COMPANY PROFILE

Guangdong TMOON Laboratory Equipment Manufacturing Co., Ltd., established in 2014, is a comprehensive platform-based laboratory equipment production and research enterprise, specializing in processing, warehousing and fast delivery. The company has industry-leading intelligent production lines for standard products and non-standard flexible product production lines. Focusing on the R&D and innovation of laboratory equipment, we are the first one to create the "HQ Management + Intelligent Production + Brand Operation Center + On-site Sustainable O&M" model in China to ensure that every laboratory can operate safely.

TURNKEY LABORATORY PRODUCTION- RESEARCH BASE

At the beginning of the establishment of the production-research base, we have introduced professional equipment that meets high standard manufacturing processes, including fully automatic CNC equipment, intelligent welding machine, Salvagnini bending machine and a set of industry-leading spraying equipment to strengthen our manufacturing capability!



CNC Machining Equipment



Imported Automatic CNC Bending Machine



Automatic Laser Processing Line



Welding and Grinding Line



Automatic Molding Line



Automatic Painting Pretreatment Line

QUALIFICATIONS AND HONORS



A NUMBER OF HONORS AWARDED

We have won many honorary titles since the establishment of TMOON brand. Our powerful brand strength, good market reputation and perfect product system have been recognized by the industry. We have become the “Honest, Contract-keeping and Quality-oriented” enterprise in the minds of our partners, and have won the trust and praise of many customers.



OUR STANDARDS



LAB CNAS CERTIFICATION



OVER 100 PATENT CERTIFICATES AND LEAD INDUSTRY DEVELOPMENT THROUGH INNOVATION

TMOON has been focusing on product R&D since establishment and it is a quality-oriented enterprise. So far, it has obtained 169 patent certificates. TMOON has been supported and recognized by many customers in terms of excellent product quality and perfect after-sales service.



7 SERIES

TMOON ingenuity series is a revolutionary work of laboratory turnkey solution. Cutting-edge technology and design concepts are used to improve turnkey laboratory to a new level. The unique appearance of curved edges, inspired by the spirit of craftsmanship, highlights the technological breakthrough and the pursuit of excellence. We solve the problems of laboratory construction, and create a safe, comfortable and innovative laboratory environment. We provide one-stop turnkey solutions.

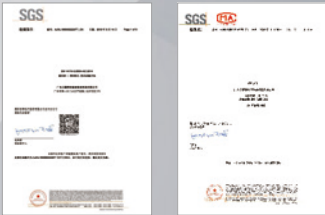
This series of products meet the standards of JB/T 6412-1999 "Fume Hood", GB 24820-2009 "Laboratory Furniture - General Technical Requirements", American standard "ASHRAE 110-2016 Laboratory Fume Hoods Performance", SEFA8M standard and EN14175 standard.

02 LABORATORY EQUIPMENT

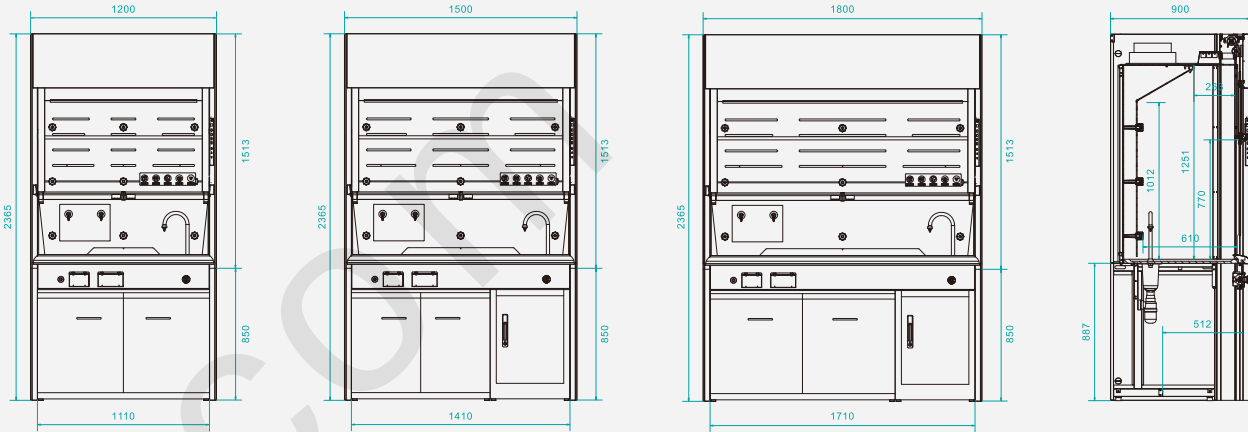
Product Type

7 Series Desktop Fume Hood
7 Series Auxiliary Air Fume Hood
7 Series Walk-in Fume Hood
730D All-steel Lab Bench
Alloy Reagent Rack
730D All-Steel Single-Door Movable Cabinet
730D All-Steel Three-Drawer Movable Cabinet
730D All-Steel Double-Door Water Cabinet





7 SERIES DESKTOP
FUME HOOD



Features

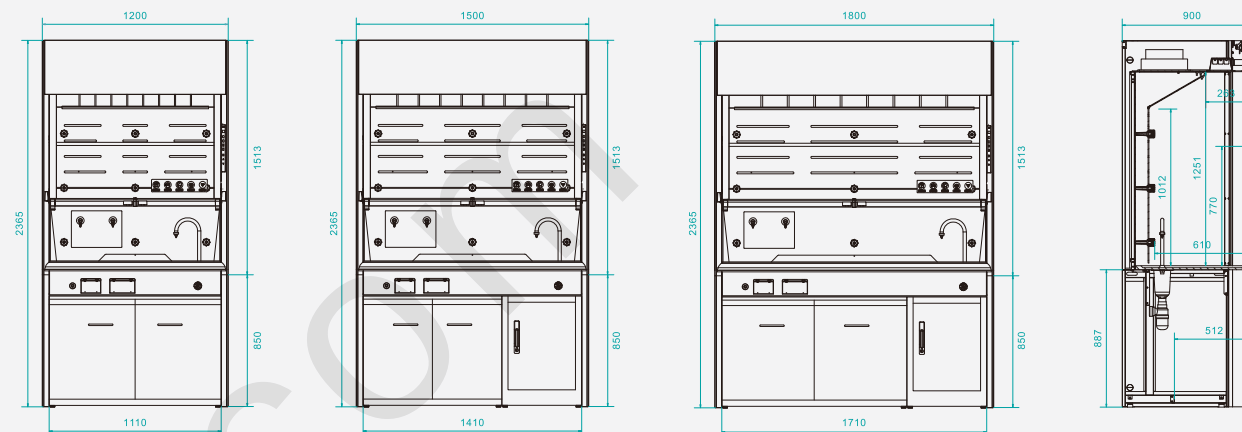
- A: The viewing window is made of 5mm toughened glass, which will not cause splashing when broken to protect personal safety;
- B: The top lampshade has the pressure release function in case of explosion.
- C: The exhaust plenum is equipped with a condensate collection device, which directly leads the condense in the pipe to the wastewater system;
- D: Mechanical double-locking mechanism is equipped to prevent viewing window from falling. When one or both sides of the actuator breaks, the falling distance is 50mm;
- E: The viewing window is designed with toothed synchronous belt for easy push/pull with low noise, and the wire rope is wrapped by the synchronous belt to effectively prevent corrosion;
- F: Advanced airflow layout and diversion design, the average face velocity of exhaust is 0.3m/s and the leakage rate is within 0.01ppm;
- G: The exhaust volume is 700-850m³/h when the door is at the normal height, which saves 40% of operating energy compared with the fume hoods with design face velocity of 0.5m/s;
- H: The product can be optionally equipped with pipeline fire detection system and concentration detection system;
- I: The lower cabinet has negative-pressure exhaust function and can be used to store some common reagents to prevent odor from gas evaporation;
- J: The lower cabinet can be optionally equipped with lockable fire-resistant storage cabinet to store a small amount of flammable, combustible or corrosive drugs and reagents.

Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.
The fire-resistant storage cabinet has passed the 60min fire test.

MODEL	7 SERIES DESKTOP FUME HOOD		
Length (mm)	1200	1500	1800
Depth (mm)	900	900	900
Height (mm)	2400	2400	2400
Net width of internal workspace (mm)	1110	1410	1710
Net depth of internal workspace (mm)	655	655	655
Net height of internal workspace (mm)	1010 / 1250	1010 / 1250	1010 / 1250
Main material	Cold-rolled steel plate	Cold-rolled steel plate	Cold-rolled steel plate
Worktop material	Ceramic / physical and chemical board	Ceramic / physical and chemical board	Ceramic / physical and chemical board
Worktop size (mm)	1106*735	1406*735	1706*735
Lighting (LUX)	≥500	≥500	≥500
Socket	4*10A	4*10A	4*10A
Face velocity (m/s)	0.3、0.5	0.3、0.5	0.3、0.5
Exhaust volume (m ³ /h)	480(0.3m/s)、800(0.5m/s)	610(0.3m/s)、1020(0.5m/s)	740(0.3m/s)、1240(0.5m/s)
Viewing window opening height (mm)	770	770	770

7 SERIES AUXILIARY AIR FUME HOOD



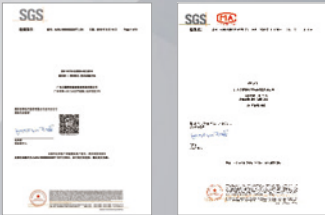
Features

- A: The front of the worktop forms a stable air curtain barrier and the air supply volume is 50% of the exhaust volume. Under normal working conditions, the indoor exhaust volume is only 350m³/h-400m³/h, so that it can save energy when the leakage rate meets the standard.
- B: The viewing window is made of 5mm toughened glass, which will not cause splashing when broken to protect personal safety;
- C: The top lampshade has the pressure release function in case of explosion.
- D: The exhaust plenum is equipped with a condensate collection device, which directly leads the condense in the pipe to the wastewater system;
- E: Mechanical double-locking mechanism is equipped to prevent viewing window from falling. When one or both sides of the actuator breaks, the falling distance is 50mm;
- F: The viewing window is designed with toothed synchronous belt for easy push/pull with low noise, and the wire rope is wrapped by the synchronous belt to effectively prevent corrosion;
- G: Advanced airflow layout and diversion design, the average face velocity of exhaust is 0.3m/s and the leakage rate is within 0.01ppm;
- H: The exhaust volume is 700-850m³/h when the door is at the normal height, which saves 40% of operating energy compared with the fume hoods with design face velocity of 0.5m/s;
- I: The product can be optionally equipped with pipeline fire detection system and concentration detection system;
- J: The lower cabinet has negative-pressure exhaust function and can be used to store some common reagents to prevent odor from gas evaporation;
- K: The lower cabinet can be optionally equipped with lockable fire-resistant storage cabinet to store a small amount of flammable, combustible or corrosive drugs and reagents.

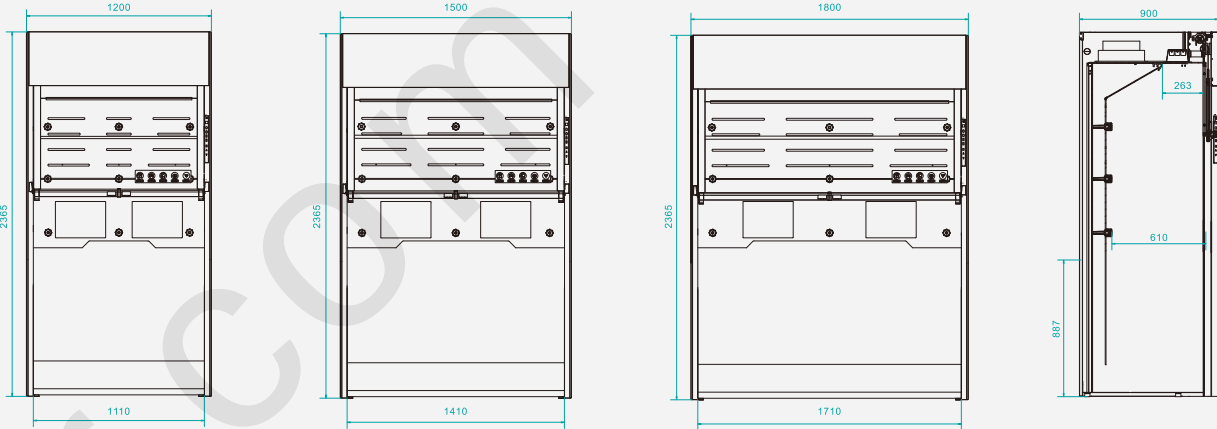
Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.
The fire-resistant storage cabinet has passed the 60min fire test.

MODEL	7 SERIES AUXILIARY AIR FUME HOOD		
Length (mm)	1200	1500	1800
Depth (mm)	900	900	900
Height (mm)	2400	2400	2400
Net width of internal workspace (mm)	1110	1410	1710
Net depth of internal workspace (mm)	655	655	655
Net height of internal workspace (mm)	1010 / 1250	1010 / 1250	1010 / 1250
Main material	Cold-rolled steel plate	Cold-rolled steel plate	Cold-rolled steel plate
Worktop material	Ceramic / physical and chemical board	Ceramic / physical and chemical board	Ceramic / physical and chemical board
Worktop size (mm)	1106*735	1406*735	1706*735
Lighting (LUX)	≥500	≥500	≥500
Socket	4*10A	4*10A	4*10A
Face velocity (m/s)	0.3、0.5	0.3、0.5	0.3、0.5
Exhaust volume (m ³ /h)	480(0.3m/s)、800(0.5m/s)	610(0.3m/s)、1020(0.5m/s)	740(0.3m/s)、1240(0.5m/s)
Viewing window opening height (mm)	770	770	770



7 SERIES WALK-IN
FUME HOOD



Features

- A: The viewing window is made of 5mm toughened glass, which will not cause splashing when broken to protect personal safety;
- B: The top lampshade has the pressure release function in case of explosion.
- C: The exhaust plenum is equipped with a condensate collection device, which directly leads the condense in the pipe to the wastewater system;
- D: Mechanical double-locking mechanism is equipped to prevent viewing window from falling. When one or both sides of the actuator breaks, the falling distance is 50mm;
- E: The viewing window is designed with toothed synchronous belt for easy push/pull with low noise, and the wire rope is wrapped by the synchronous belt to effectively prevent corrosion;
- F: The product can be optionally equipped with pipeline fire detection system and concentration detection system;

Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.

MODEL	7 SERIES WALK-IN FUME HOOD		
Length (mm)	1200	1500	1800
Depth (mm)	900	900	900
Height (mm)	2400	2400	2400
Net width of internal workspace (mm)	1110	1410	1710
Net depth of internal workspace (mm)	670	670	670
Net height of internal workspace (mm)	2006 / 2210	2006 / 2210	2006 / 2210
Main material	Cold-rolled steel plate	Cold-rolled steel plate	Cold-rolled steel plate
Lighting (LUX)	≥ 500	≥ 500	≥ 500
Socket	4*10A	4*10A	4*10A
Face velocity (m/s)	0.5	0.5	0.5
Exhaust volume (m³/h)	800	1020	1240
Viewing window opening height (mm)	1550	1550	1550

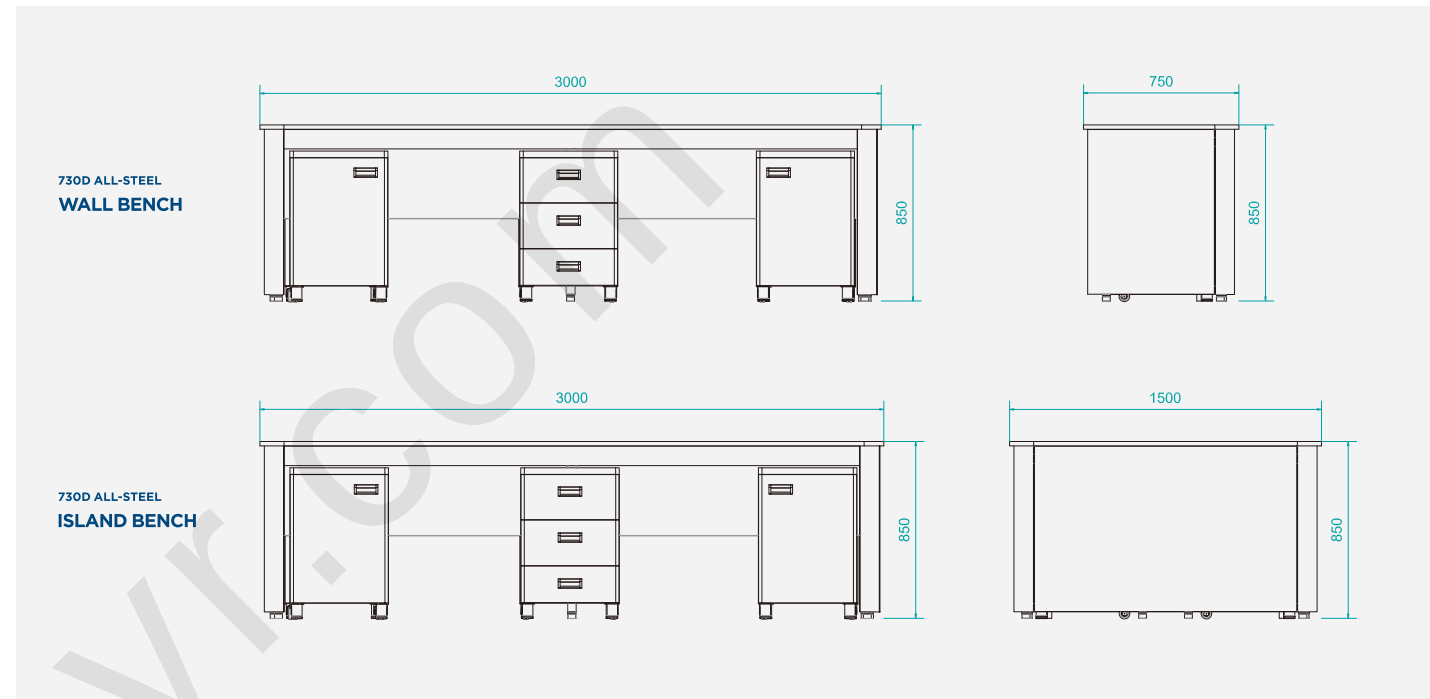


730D ALL-STEEL
LABORATORY BENCH



730D ALL-STEEL
WALL BENCH

730D ALL-STEEL
ISLAND BENCH



Features

- A: The overall curved edge design provides a soft feeling and reduces the risk of bumping;
- B: All screws are pre-assembled to avoid damage to the coating surface by self-drilling screws;
- C: 90°90 fan-shaped round pipe design and no frame support is required within 3m to increase the flexibility in use under the bench top;
- D: Suspended reagent rack increases the utilization rate of bench top;
- E: Quick and easy installation with mortise and tenon structure;
- F: The load-bearing capacity per linear meter is not less than 250kg;
- G: Different color options are available to make the laboratory look cozy and modern.

Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.

TECHNICAL PARAMETERS			
Name		730D All-Steel Island Bench	730D All-Steel Wall Bench
Dimensions		L*1500*850mm	L*750*850 mm
Material	Main structure	Cold-rolled steel plate	
	Handle	Concealed aluminum alloy handle	
	Hinge	Taval buffer hinge	
	Slide rail	Taval buffer guide rail	
	Bench top	Ceramic / physical and chemical board	

ALLOY REAGENT RACK

Features

- A: Aluminum profiles and steel functional plates are used with surfaces electrostatically sprayed with epoxy resin powder to prevent corrosion;
- B: The clamping cavity has a large space, the height can be adjusted freely and can be used as an access for water, electricity and gas;
- C: The height of the shelf is infinitely adjustable to meet individual needs;
- D: Water, electricity and gas panels can be equipped on both sides to meet a variety of use requirements;
- E: The shelf is made of 12mm toughened glass and reagents are clearly visible, durable and not easy to break;
- F: The shelf is supported on four sides and the load-bearing capacity is up to 50kg;
- G: The reagent rack is equipped with aluminum alloy guards to prevent the reagent bottle from tipping and falling;
- H: The reagent rack guards are available with different colors, making the laboratory look cozy and modern.

ALLOY REAGENT RACK OF ISLAND BENCH

Dimensions: L*400 mm*H



ALLOY REAGENT RACK OF WALL BENCH

Dimensions: L*250 mm*H



LABORATORY CABINET

Features

- A: The cabinet body is made of 1.0mm cold-rolled steel plate with surface electrostatically sprayed with epoxy resin powder, which is corrosion-resistant and suitable for laboratory environments;
- B: The cabinet comes standard with DTC hinges and guide rails, which are available with different brands according to actual needs.
- C: Alloy adjustable feet are arranged at the bottom front of the movable cabinet and directional wheels are arranged at the rear to prevent tipping and keep the cabinet neatly arranged.
- D: The concave handle is made of aluminum alloy die-casting. The door pullouts are designed with arc lines, safe and beautiful;
- E: Anti-tipping design is adopted for the cabinet and drawer guide rails are equipped with interlocking mechanism, so that drawers cannot be opened at the same time to effectively prevent the cabinet from tipping over.
- F: The laboratory cabinet is equipped with anti-static grounding port to ensure that it can be safely connected to the equipotential line.



730D ALL-STEEL SINGLE-DOOR MOVABLE CABINET

Dimensions: 450*500*725 mm (W×D×H)



730D ALL-STEEL THREE-DRAWER MOVABLE CABINET

Dimensions: 450*500*725 mm (W×D×H)

730D ALL-STEEL DOUBLE-DOOR WATER CABINET

Dimensions: 1280*750*850 mm (W×D×H)



6 SERIES

TMOON 6 series high-end laboratory equipment is specially designed to meet the customer's individual needs. Advanced prefabricated and modular design concept is adopted for diversified, flexible and multi-scenario applications and valuable experience. It is a comprehensive application solution with high quality, efficiency and high added value.

This series of products meet the standards of JB/T 6412-1999 "Fume Hood", GB 24820-2009 "Laboratory Furniture - General Technical Requirements", American standard "ASHRAE 110-2016 Laboratory Fume Hoods Performance", SEFA8M standard and EN14175 standard.

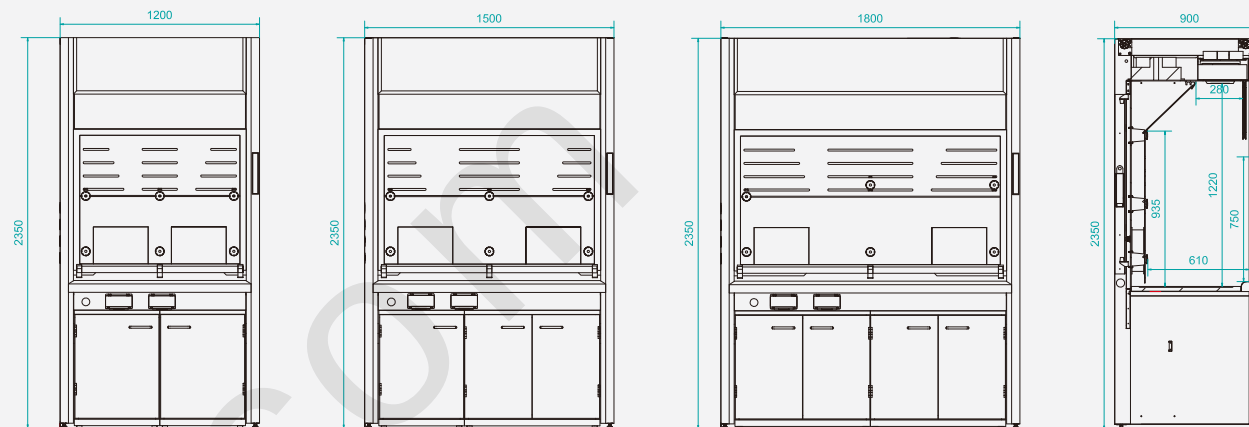
02 LABORATORY EQUIPMENT

Product Type

- 6 Series Desktop Fume Hood
- 6 Series Auxiliary Air Fume Hood
- 6 Series Walk-in Fume Hood
- 630B All-Steel Floor-Mounted Lab Bench
- Aluminum-lithium Alloy Reagent Rack
- 630B All-Steel Single-Door Cabinet
- 630B All-Steel Single-Door Single-Drawer Cabinet
- 630B All-Steel Double-Door Cabinet
- 630B All-Steel Double-Door Water Cabinet
- 630B All-Steel Drawerless Host Cabinet
- 630B All-Steel Corner Cabinet



6 SERIES DESKTOP FUME HOOD



Features

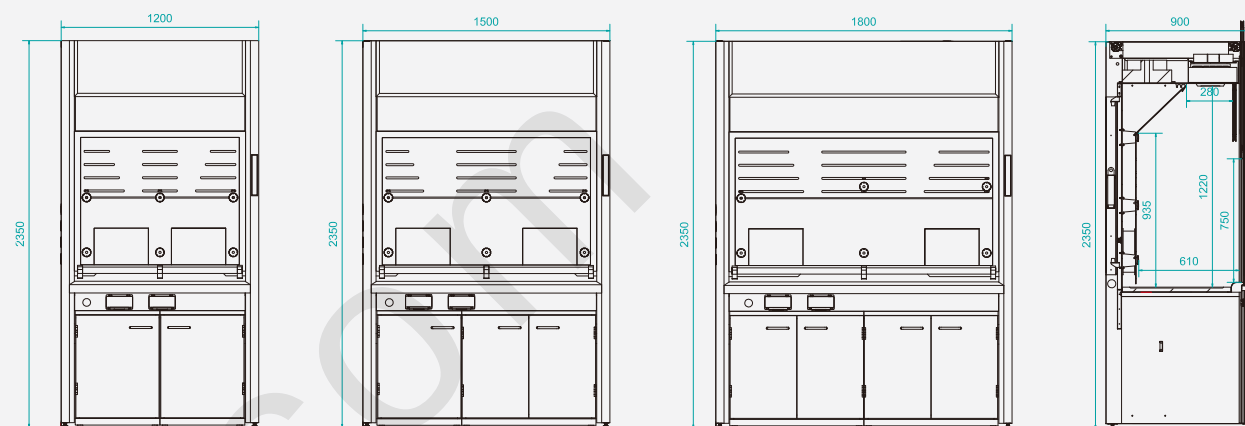
- A:** The viewing window is made of 5mm toughened glass, which will not cause splashing when broken to protect personal safety;
- B:** The top lampshade has the pressure release function in case of explosion.
- C:** The exhaust plenum is equipped with a condensate collection device, which directly leads the condense in the pipe to the wastewater system;
- D:** Mechanical double-locking mechanism is equipped to prevent viewing window from falling. When one or both sides of the actuator breaks, the falling distance is 80mm;
- E:** The viewing window is designed with toothed synchronous belt for easy push/pull with low noise, and the wire rope is wrapped by the synchronous belt to effectively prevent corrosion;
- F:** Narrow frame design to maximize the internal workspace;
- G:** The face velocity is between 0.4-0.5m/s and the trace gas concentration is lower than 0.01ppm;
- H:** Modular lining design with compact, ceramic or PP materials available, suitable for different laboratory environments;
- I:** Water, electricity and gas modules are provided to flexibly meet different application requirements.
- J:** The product can be optionally equipped with pipeline fire detection system and concentration detection system;
- K:** The lower cabinet has negative-pressure exhaust function and can be used to store some common reagents to prevent odor from gas evaporation;
- L:** The lower cabinet can be optionally equipped with lockable fire-resistant storage cabinet to store a small amount of flammable, combustible or corrosive drugs and reagents.

Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.
The fire-resistant storage cabinet has passed the 60min fire test.

MODEL	6 SERIES DESKTOP FUME HOOD		
Length (mm)	1200	1500	1800
Depth (mm)	900	900	900
Height (mm)	2350	2350	2350
Net width of internal workspace (mm)	1040	1340	1640
Net depth of internal workspace (mm)	610	610	610
Net height of internal workspace (mm)	935 / 1220	935 / 1220	935 / 1220
Main material	Cold-rolled steel plate	Cold-rolled steel plate	Cold-rolled steel plate
Worktop material	Ceramic / physical and chemical board	Ceramic / physical and chemical board	Ceramic / physical and chemical board
Worktop size (mm)	1085*657	1385*657	1685*657
Lighting (LUX)	≥1000	≥1000	≥1000
Socket	4*10A	4*10A	4*10A
Face velocity (m/s)	0.5	0.5	0.5
Exhaust volume (m³/h)	940	1210	1500
Viewing window opening height (mm)	750	750	750

6 SERIES AUXILIARY AIR FUME HOOD



Features

- A: The front of the worktop forms a stable air curtain barrier and the air supply volume is 50% of the exhaust volume. Under normal working conditions, the indoor exhaust volume is only 350m³/h-400m³/h, so that it can save energy when the leakage rate meets the standard.
- B: Advanced airflow layout and diversion design, the average face velocity of exhaust is 0.3m/s and the leakage rate is within 0.01ppm under the condition of air supply;
- C: The viewing window is made of 5mm toughened glass, which will not cause splashing when broken to protect personal safety;
- D: The top lampshade has the pressure release function in case of explosion.
- E: The exhaust plenum is equipped with a condensate collection device, which directly leads the condense in the pipe to the wastewater system;
- F: Mechanical double-locking mechanism is equipped to prevent viewing window from falling. When one or both sides of the actuator breaks, the falling distance is 80mm;
- G: The viewing window is designed with toothed synchronous belt for easy push/pull with low noise, and the wire rope is wrapped by the synchronous belt to effectively prevent corrosion;
- H: Narrow frame design to maximize the internal workspace;
- I: Modular lining design with compact, ceramic or PP materials available, suitable for different laboratory environments;
- J: Water, electricity and gas modules are provided to flexibly meet different application requirements.
- K: The product can be optionally equipped with pipeline fire detection system and concentration detection system;
- L: The lower cabinet has negative-pressure exhaust function and can be used to store some common reagents to prevent odor from gas evaporation;
- M: The lower cabinet can be optionally equipped with lockable fire-resistant storage cabinet to store a small amount of flammable, combustible or corrosive drugs and reagents.

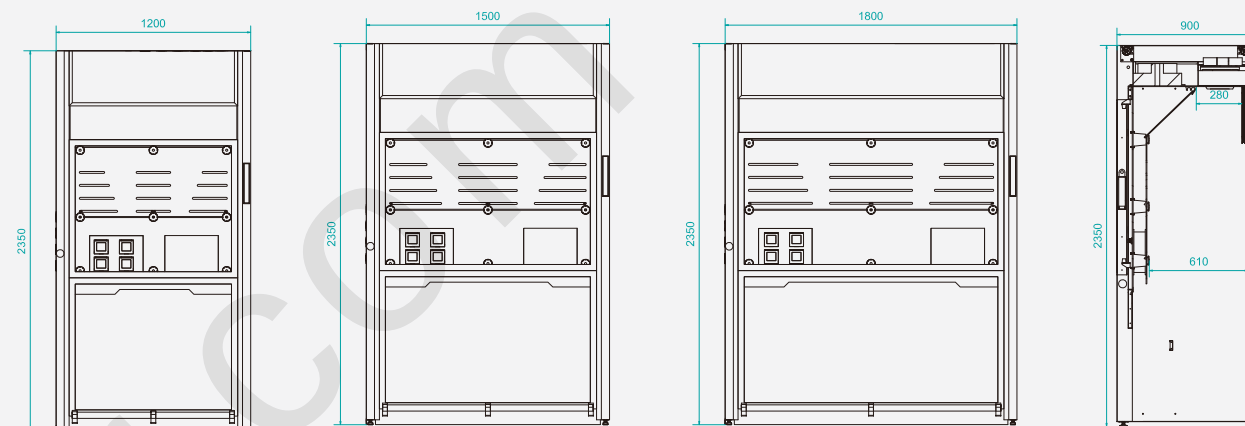
Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.
The fire-resistant storage cabinet has passed the 60min fire test.

MODEL	6 SERIES AUXILIARY AIR FUME HOOD		
Length (mm)	1200	1500	1800
Depth (mm)	900	900	900
Height (mm)	2350	2350	2350
Net width of internal workspace (mm)	1040	1340	1640
Net depth of internal workspace (mm)	610	610	610
Net height of internal workspace (mm)	935 / 960	935 / 960	935 / 960
Main material	Cold-rolled steel plate	Cold-rolled steel plate	Cold-rolled steel plate
Worktop material	Ceramic / physical and chemical board	Ceramic / physical and chemical board	Ceramic / physical and chemical board
Worktop size (mm)	1085*657	1385*657	1685*657
Lighting (LUX)	≥1000	≥1000	≥1000
Socket	4*10A	4*10A	4*10A
Face velocity (m/s)	0.3	0.3	0.3
Exhaust volume (m ³ /h)	570	730	890
Viewing window opening height (mm)	750	750	750



6 SERIES WALK-IN FUME HOOD



Features

- A: The viewing window is made of 5mm toughened glass, which will not cause splashing when broken to protect personal safety;
- B: The top lampshade has the pressure release function in case of explosion.
- C: The exhaust plenum is equipped with a condensate collection device, which directly leads the condense in the pipe to the wastewater system;
- D: Mechanical double-locking mechanism is equipped to prevent viewing window from falling. When one or both sides of the actuator breaks, the falling distance is 80mm;
- E: The viewing window is designed with toothed synchronous belt for easy push/pull with low noise, and the wire rope is wrapped by the synchronous belt to effectively prevent corrosion;
- F: Narrow frame design to maximize the internal workspace;
- G: Modular lining design with compact, ceramic or PP materials available, suitable for different laboratory environments;
- H: Water, electricity and gas modules are provided to flexibly meet different application requirements;
- I: The product can be optionally equipped with pipeline fire detection system and concentration detection system.

Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.

MODEL	6 SERIES WALK-IN FUME HOOD		
Length (mm)	1200	1500	1800
Depth (mm)	900	900	900
Height (mm)	2350	2350	2350
Net width of internal workspace (mm)	1040	1340	1640
Net depth of internal workspace (mm)	590	590	590
Net height of internal workspace (mm)	1760 / 2040	1760 / 2040	1760 / 2040
Main material	Cold-rolled steel plate	Cold-rolled steel plate	Cold-rolled steel plate
Lighting (LUX)	≥1000	≥1000	≥1000
Socket	4*10A	4*10A	4*10A
Face velocity (m/s)	0.5	0.5	0.5
Exhaust volume (m³/h)	940	1210	1500
Viewing window opening height (mm)	1650	1650	1650

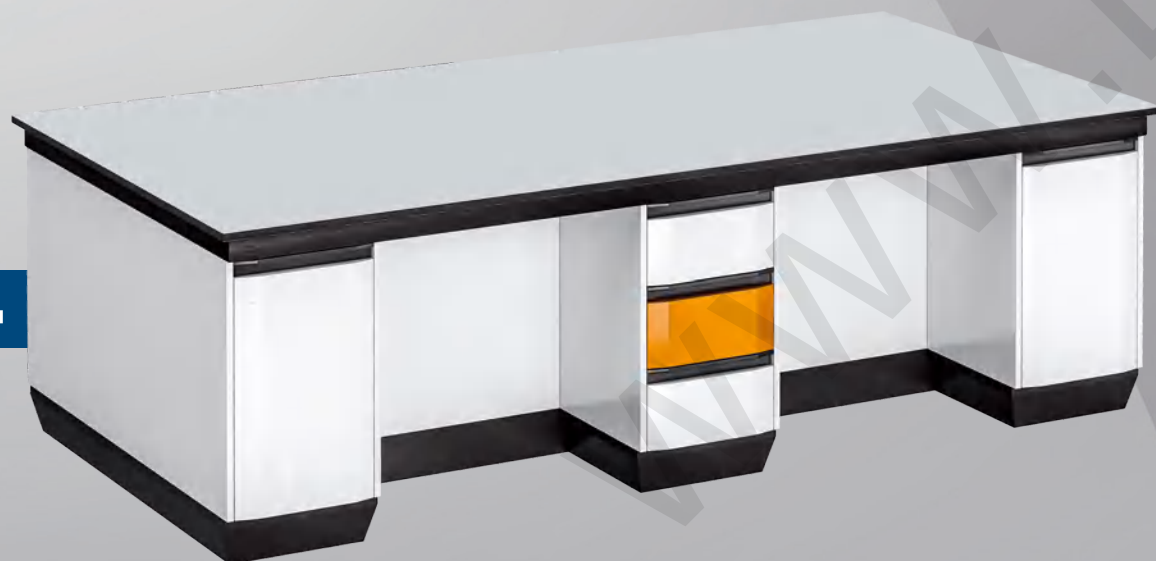
630B ALL-STEEL FLOOR-MOUNTED LABORATORY BENCH



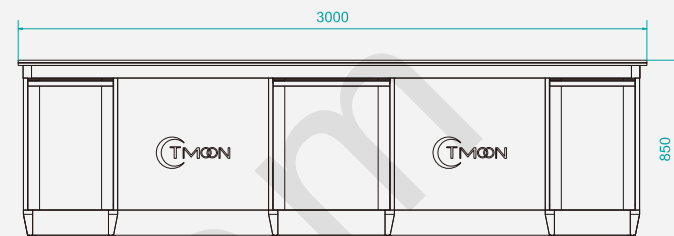
630B ALL-STEEL
WALL BENCH



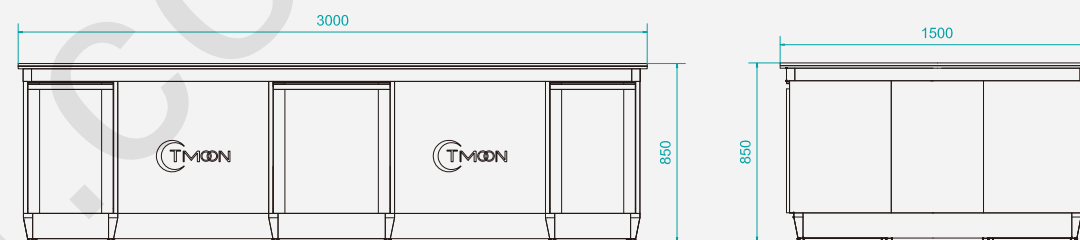
630B ALL-STEEL
ISLAND BENCH



630B ALL-STEEL
WALL BENCH



630B ALL-STEEL
ISLAND BENCH



Features

- A: It is composed of cabinet body and high-strength aluminum upper and lower frames, which has high strength and good corrosion resistance;
- B: The frame connectors are made of high-strength plastics and the lower frame connectors are equipped with adjustable feet for easy leveling;
- C: All screws are pre-assembled to avoid damage to the coating surface by self-drilling screws;
- D: The cabinet panel adopts 3D convex design, built-in and double-layer structure is filled with soundproofing materials;
- E: The upper frame supports the bench top in all directions, which has excellent load-bearing capacity and is smooth without deformation;
- F: The lower frame adopts the ergonomic beveled design for easy standing operation without hitting your feet;
- G: The load-bearing capacity per linear meter is not less than 250kg;
- H: Different color options are available to make the laboratory look cozy and modern.

Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.

TECHNICAL PARAMETERS		
Name		630B All-Steel Island Bench
Dimensions		L*1500*850mm
Main structure		Cold-rolled steel plate + aluminum profile
Handle		One-piece forming, steel
Hinge		Taval 105° buffer hinge
Slide rail		Taval 16" three-section buffer guide rail
Bench top		Ceramic / physical and chemical board

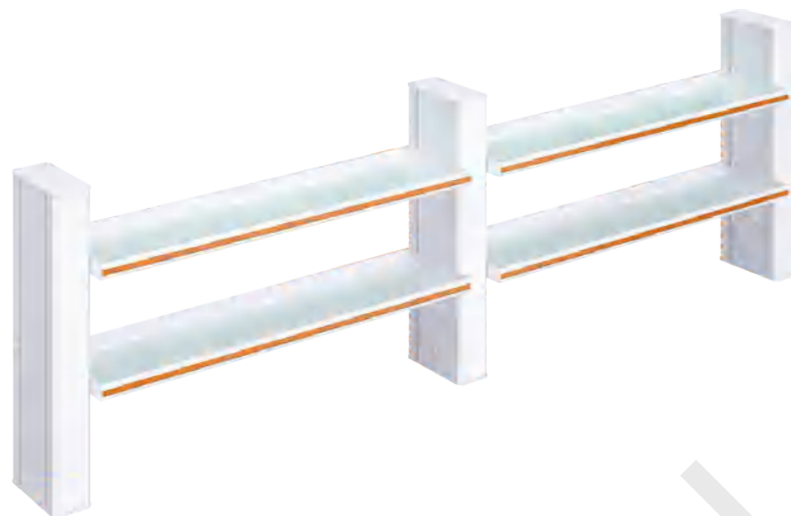
ALUMINUM-LITHIUM ALLOY REAGENT RACK

Features

- A: The functional column uses two 112*50mm special aluminum profiles and anti-corrosion compact plates. The surface of the aluminum profiles is electrostatically sprayed with epoxy resin powder to prevent corrosion;
- B: The width and height of the functional column can be adjusted freely, and the interior can be partitioned for independent access of water, electricity and gas, or used as installation panel for water, electricity, and gas;
- C: Frameless maintenance design for easy maintenance while meeting the requirements of aesthetics;
- D: The shelf is made of 2.0mm cold-rolled steel plate and its height can be adjusted freely. The load-bearing capacity of the front and rear profiles is up to 50 kg;
- E: The shelf is made of 12mm toughened glass and reagents are clearly visible, durable and not easy to break;
- F: The reagent rack is equipped with aluminum alloy guards to prevent the reagent bottle from tipping and falling;
- G: The reagent rack guards are available with different colors, making the laboratory look cozy and modern.

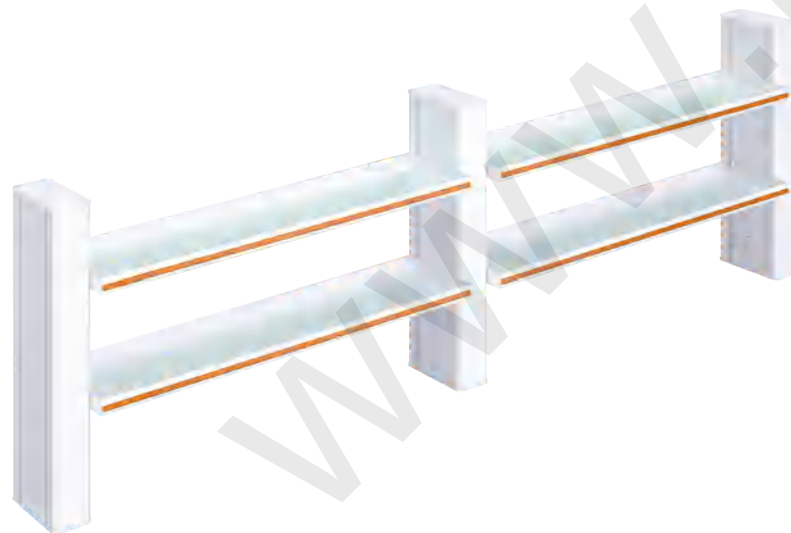
ALUMINUM-LITHIUM ALLOY REAGENT RACK OF ISLAND BENCH

Dimensions: L*400 mm*H



ALUMINUM-LITHIUM ALLOY REAGENT RACK OF WALL BENCH

Dimensions: L*250 mm*H



LABORATORY CABINET

Features

- A: The cabinet body is made of 1.0mm cold-rolled steel plate with surface electrostatically sprayed with epoxy resin powder, which is corrosion-resistant and suitable for laboratory environments;
- B: The cabinet panel adopts 3D convex design with strong sense of technology, built-in and double-layer structure is filled with soundproofing materials;
- C: One-piece steel handle is levelly connected with door panel and different colors are available. The cabinet comes standard with Taval buffer hinge and buffer guide rail to improve user experience;
- D: Modular design; door panels or pullouts can be changed at will without changing the cabinet body. Various cabinet combinations to meet different preferences.
- E: Anti-tipping design is adopted for the cabinet and drawer guide rails are equipped with interlocking mechanism, so that drawers cannot be opened at the same time to effectively prevent the cabinet from tipping over.
- F: The laboratory cabinet is equipped with anti-static grounding port to ensure that it can be safely connected to the equipotential line.



630B ALL-STEEL SINGLE-DOOR CABINET

Dimensions:
450*500*630 mm (W×D×H)
600*500*630 mm (W×D×H)



630B ALL-STEEL SINGLE-DOOR SINGLE-DRAWER CABINET

Dimensions:
450*500*630 mm (W×D×H)
600*500*630 mm (W×D×H)



630B ALL-STEEL DOUBLE-DOOR CABINET

Dimensions:
860*500*630 mm (W×D×H)
1160*500*630 mm (W×D×H)



630B ALL-STEEL DOUBLE-DOOR WATER CABINET

Dimensions:
860*500*630 mm (W×D×H)
1160*500*630 mm (W×D×H)



630B ALL-STEEL DRAWERLESS HOST CABINET

Dimensions:
450*500*630 mm (W×D×H)



630B ALL-STEEL CORNER CABINET

Dimensions:
780*780*630 mm (W×D×H)

5 SERIES

TMOON 5 series products adopt the green, easy-to-operate and practical design concepts to achieve the perfect combination of high quality and superior cost performance. The product is featured by beautiful appearance, flexible and stable structure, practical and convenient functions. It is a laboratory turnkey solution that can significantly improve the laboratory environment and reliability.

This series of products meet the standards of JB/T 6412-1999 "Fume Hood", GB 24820-2009 "Laboratory Furniture - General Technical Requirements", American standard "ASHRAE 110-2016 Laboratory Fume Hoods Performance", SEFA8M standard and EN14175 standard.

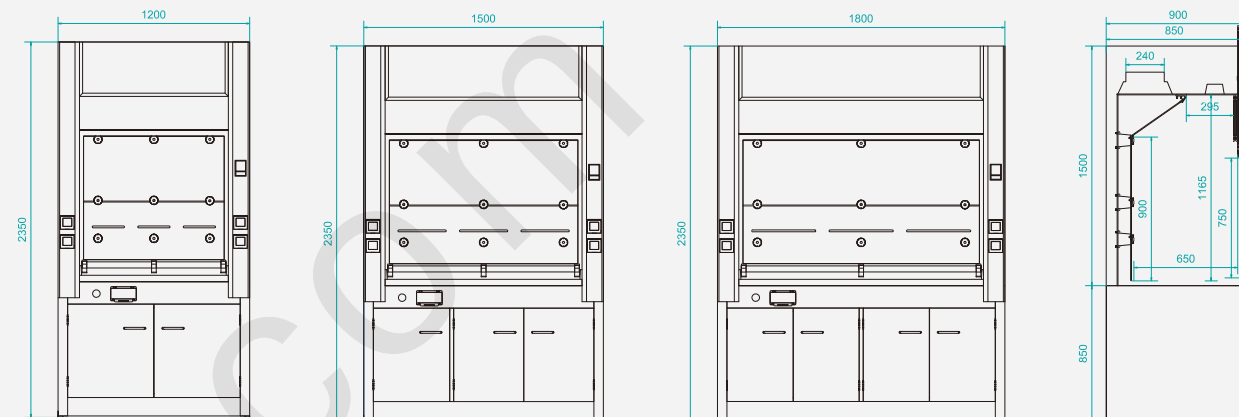


02 LABORATORY EQUIPMENT

Product Type

- 5 Series Desktop Fume Hood
- 5 Series Walk-in Fume Hood
- 510A All-Steel Floor-Mounted Lab Bench
- Steel Glass Reagent Rack
- Diamond-shaped Reagent Rack
- 510A All-Steel Double-Door Double-Drawer Floor-mounted Cabinet
- 510A All-Steel Single-Door Single-Drawer Floor-mounted Cabinet
- 510A All-Steel Single-Drawer Floor-mounted Host Cabinet
- 510A All-Steel Drawerless Floor-mounted Host Cabinet
- 510A All-Steel Double-Door Floor-mounted Sink Cabinet
- 510A All-Steel Three-Door Floor-mounted Sink Cabinet
- 510A All-Steel Floor-mounted Corner Cabinet
- 530B All-Steel Floor-mounted Lab Bench
- 530B All-Steel Single-Door Floor-mounted Cabinet
- 530B All-Steel Single-Door Single-Drawer Floor-mounted Cabinet
- 530B All-Steel Drawerless Floor-mounted Host Cabinet
- 530B All-Steel Single-Drawer Floor-mounted Host Cabinet
- 530B All-Steel Double-Door Double-Drawer Floor-mounted Cabinet
- 530B All-Steel Double-Door Floor-mounted Cabinet
- 530B All-Steel Double-Door Floor-mounted Sink Cabinet
- 530B All-Steel Three-Door Floor-mounted Sink Cabinet
- 530B All-Steel Floor-mounted Corner Cabinet
- Anti-corrosive Pp Fume Hood
- Anti-corrosive Pp Lab Bench

5 SERIES DESKTOP FUME HOOD



Features

- A: The viewing window is made of 5mm toughened glass, which will not cause splashing when broken to protect personal safety;
- B: The top lampshade has the pressure release function in case of explosion.
- C: The exhaust plenum is equipped with a condensate collection device, which directly leads the condensate in the pipe to the wastewater system;
- D: Mechanical double-locking mechanism is equipped to prevent viewing window from falling. When one or both sides of the actuator breaks, the falling distance is 80mm;
- E: The viewing window is designed with toothed synchronous belt for easy push/pull with low noise, and the wire rope is wrapped by the synchronous belt to effectively prevent corrosion;
- F: Advanced airflow layout and diversion design, the average face velocity of exhaust is 0.4-0.5m/s and the leakage rate is within 0.01ppm;
- G: The product can be optionally equipped with pipeline fire detection system and concentration detection system;
- H: The lower cabinet has negative-pressure exhaust function and can be used to store some common reagents to prevent odor from gas evaporation;
- I: The lower cabinet can be optionally equipped with lockable fire-resistant storage cabinet to store a small amount of flammable, combustible or corrosive drugs and reagents.

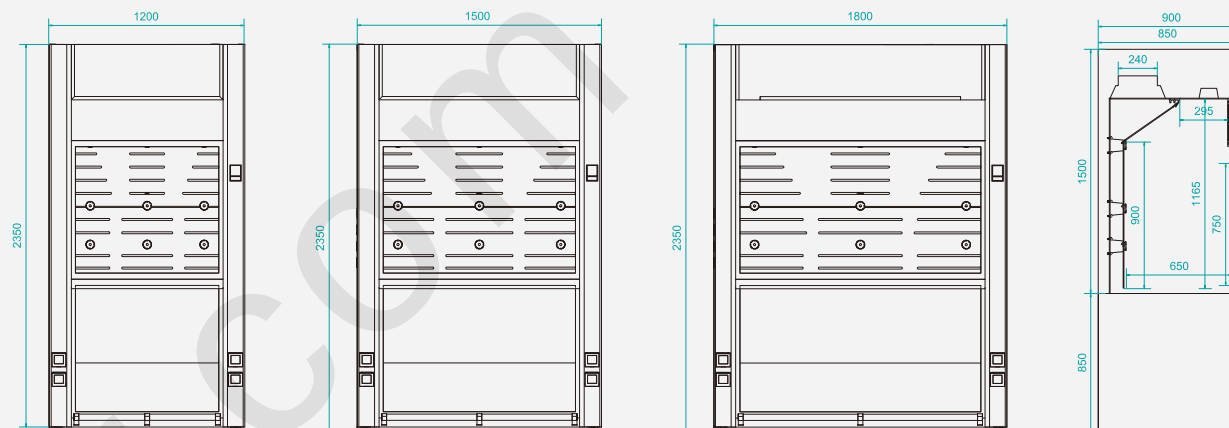
Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.
The fire-resistant storage cabinet has passed the 60min fire test.

MODEL	5 SERIES DESKTOP FUME HOOD		
Length (mm)	1200	1500	1800
Depth (mm)	850	850	850
Height (mm)	2350	2350	2350
Net width of internal workspace (mm)	950	1250	1550
Net depth of internal workspace (mm)	650	650	650
Net height of internal workspace (mm)	900 / 1165	900 / 1165	900 / 1165
Main material	Cold-rolled steel plate	Cold-rolled steel plate	Cold-rolled steel plate
Worktop material	Ceramic / physical and chemical board	Ceramic / physical and chemical board	Ceramic / physical and chemical board
Worktop size (mm)	948*772	1248*772	1548*772
Lighting (LUX)	≥1000	≥1000	≥1000
Socket	4*10A	4*10A	4*10A
Face velocity (m/s)	0.5m/s	0.5m/s	0.5m/s
Exhaust volume (m³/h)	860	1130	1400
Viewing window opening height (mm)	750	750	750



5 SERIES WALK-IN FUME HOOD



Features

- A: The viewing window is made of 5mm toughened glass, which will not cause splashing when broken to protect personal safety;
- B: The top lampshade has the pressure release function in case of explosion.
- C: The exhaust plenum is equipped with a condensate collection device, which directly leads the condense in the pipe to the wastewater system;
- D: Mechanical double-locking mechanism is equipped to prevent viewing window from falling. When one or both sides of the actuator breaks, the falling distance is 80mm;
- E: The viewing window is designed with toothed synchronous belt for easy push/pull with low noise, and the wire rope is wrapped by the synchronous belt to effectively prevent corrosion;
- F: The product can be optionally equipped with pipeline fire detection system and concentration detection system.

Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.

MODEL	5 SERIES WALK-IN FUME HOOD		
Length (mm)	1200	1500	1800
Depth (mm)	850	850	850
Height (mm)	2350	2350	2350
Net width of internal workspace (mm)	930	1230	1530
Net depth of internal workspace (mm)	650	650	650
Net height of internal workspace (mm)	1780 / 2040	1780 / 2040	1780 / 2040
Main material	Cold-rolled steel plate	Cold-rolled steel plate	Cold-rolled steel plate
Lighting (LUX)	≥ 1000	≥ 1000	≥ 1000
Socket	4*10A	4*10A	4*10A
Face velocity (m/s)	0.5m/s	0.5m/s	0.5m/s
Exhaust volume (m³/h)	860	1130	1400
Viewing window opening height (mm)	1680	1680	1680



510A ALL-STEEL

FLOOR-MOUNTED

LABORATORY BENCH

510A ALL-STEEL

WALL BENCH



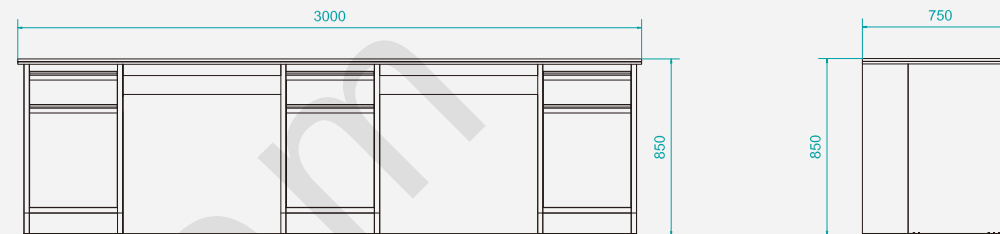
510A ALL-STEEL

ISLAND BENCH



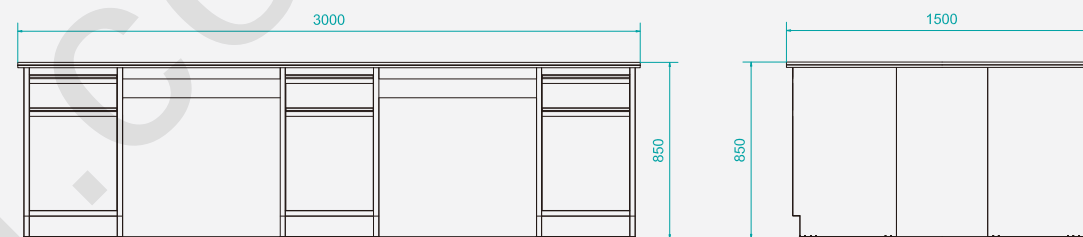
510A ALL-STEEL

WALL BENCH



510A ALL-STEEL

ISLAND BENCH



Features

- A: The cabinet body adopts the level combination structure to effectively prevent uneven painting and dead corners;
- B: All screws are pre-assembled to avoid damage to the coating surface by self-drilling screws;
- C: All sheet metal corners are spliced seamlessly to avoid the problem of uneven size of the corner arc after polishing and the problem of desoldering without force;
- D: The load-bearing capacity per linear meter is not less than 250kg.

Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.

TECHNICAL PARAMETERS		
Name		510A All-Steel Island Bench
		510A All-Steel Wall Bench
Dimensions		L*1500*850mm
		L*750*850 mm
Material	Main structure	Cold-rolled steel plate
	Handle	One-piece forming, steel
	Hinge	DTC105° hinge
	Slide rail	DTC16" three-section guide rail
	Bench top	Ceramic / physical and chemical board

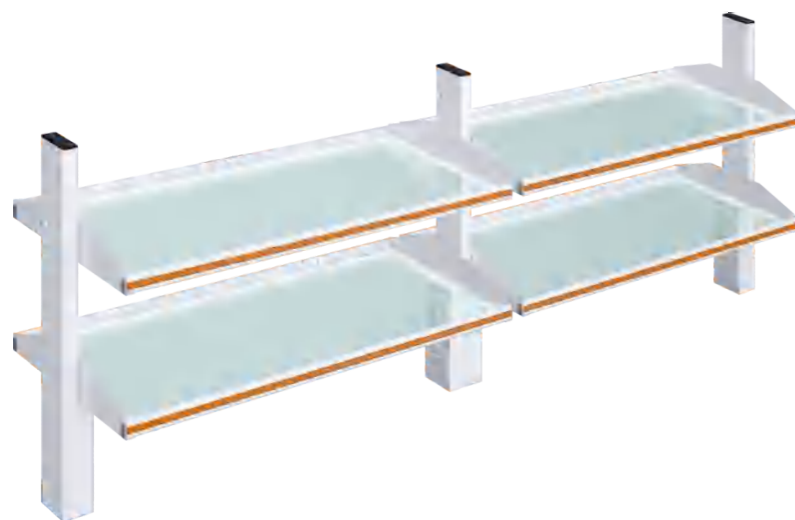
STEEL GLASS REAGENT RACK

Features

- A: The column is made of one-piece square steel pipe and the shelf hole is precisely machined by the laser cutting machine. It is smooth and beautiful with high load-bearing capacity;
- B: The fixed insert under the column is made of molded high-quality polyamide material. The column does not directly contact the bench top after it is fixed to effectively prevent water and rust;
- C: The reagent rack column is equipped with plug end, beautiful and easy to install;
- D: The shelf is made of 12mm toughened glass and reagents are clearly visible, durable and not easy to break;
- E: The reagent rack is equipped with aluminum alloy guards to prevent the reagent bottle from tipping and falling;
- F: The guards are available with different colors to make the laboratory look cozy and modern.

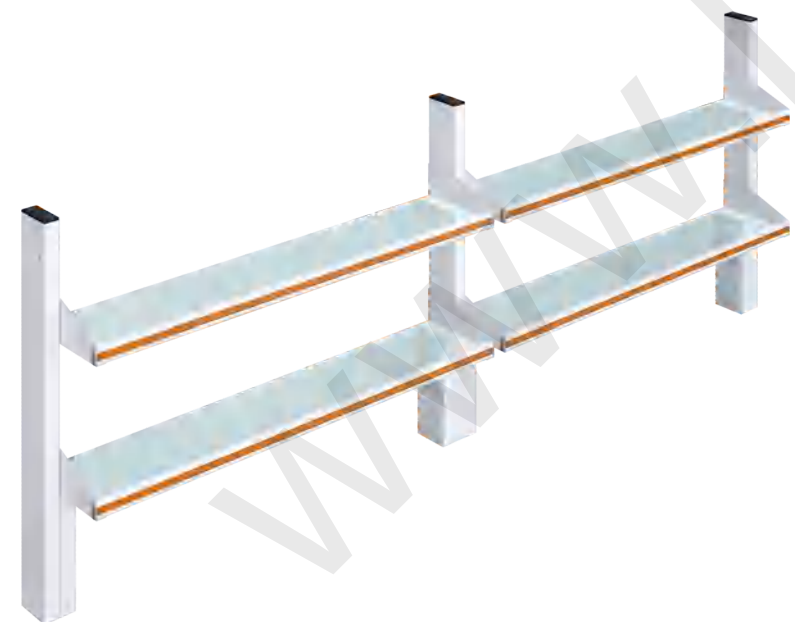
STEEL GLASS REAGENT RACK OF ISLAND BENCH

Dimensions: L*400 mm*H



STEEL GLASS REAGENT RACK OF WALL BENCH

Dimensions: L*250 mm*H



DIAMOND-SHAPED REAGENT RACK

Features

- A: Diamond-shaped multifunctional reagent rack is beautiful, easy to install and robust with load-bearing capacity of a single-layer up to 50kg;
- B: There is enough space inside the functional column to accommodate water, electricity and gas pipes. The removable functional panel can be installed for socket, faucet and gas valve;
- C: The shelf is made of 12mm toughened glass and reagents are clearly visible, durable and not easy to break;
- D: The reagent rack is equipped with aluminum alloy guards to prevent the reagent bottle from tipping and falling;
- E: The guards are available with different colors to make the laboratory look cozy and modern.

DIAMOND-SHAPED REAGENT RACK OF ISLAND BENCH

Dimensions: L*400 mm*H



DIAMOND-SHAPED REAGENT RACK OF WALL BENCH

Dimensions: L*250 mm*H



LABORATORY CABINET

Features

- A: The cabinet body is made of 1.0mm cold-rolled steel plate with surface electrostatically sprayed with epoxy resin powder, which is corrosion-resistant and suitable for laboratory environments;
- B: The cabinet comes standard with DTC hinges and guide rails, which are available with different brands according to actual needs.
- C: One-piece bent steel handle, simple and beautiful.
- D: Anti-tipping design is adopted for the cabinet and drawer guide rails are equipped with interlocking mechanism, so that drawers cannot be opened at the same time to effectively prevent the cabinet from tipping over.
- E: The laboratory cabinet is equipped with anti-static grounding port to ensure that it can be safely connected to the equipotential line.

510A ALL-STEEL DOUBLE-DOOR DOUBLE-DRAWER FLOOR- MOUNTED CABINET

Dimensions:

750*500*820 mm (W×D×H)
900*500*820 mm (W×D×H)



510A ALL-STEEL DOUBLE-DOOR FLOOR-MOUNTED SINK CABINET

Dimensions:

750*500*820 mm (W×D×H)
900*500*820 mm (W×D×H)



510A ALL-STEEL THREE-DOOR FLOOR-MOUNTED SINK CABINET

Dimensions:

1440*500*820 mm (W×D×H)



510A ALL-STEEL DOUBLE-DOOR DOUBLE-DRAWER FLOOR-MOUNTED CABINET

Dimensions:

400*500*820 mm (W×D×H)
475*500*820 mm (W×D×H)



510A ALL-STEEL SINGLE-DRAWER FLOOR-MOUNTED HOST CABINET

Dimensions:

350*500*820 mm (W×D×H)



510A ALL-STEEL DRAWERLESS FLOOR-MOUNTED HOST CABINET

Dimensions:

350*500*820 mm (W×D×H)



510A ALL-STEEL FLOOR-MOUNTED CORNER CABINET

Dimensions:

780*780*820 mm (W×D×H)



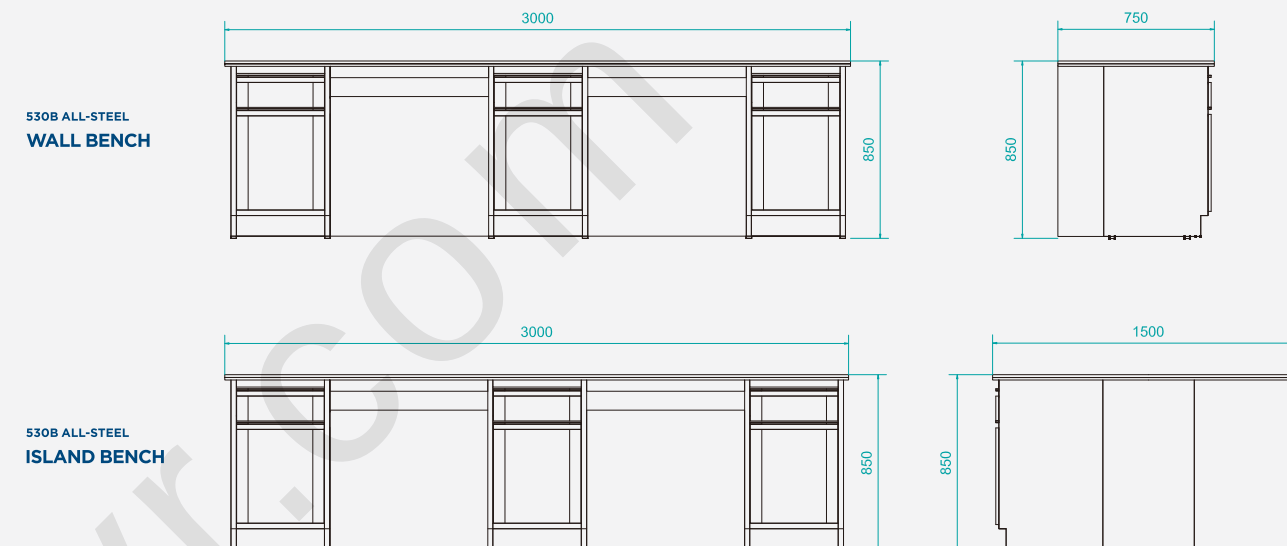


530B ALL-STEEL FLOOR-MOUNTED LABORATORY BENCH



530B ALL-STEEL
WALL BENCH

530B ALL-STEEL
ISLAND BENCH



530B ALL-STEEL
WALL BENCH

530B ALL-STEEL
ISLAND BENCH

Features

- A: The cabinet body adopts the level combination structure to effectively prevent uneven painting;
- B: All screws are pre-assembled to avoid damage to the coating surface by self-drilling screws;
- C: All sheet metal corners are spliced seamlessly to avoid the problem of uneven size of the corner arc after polishing and desoldering without force;
- D: The load-bearing capacity per linear meter is not less than 250kg;
- E: The door has convex double-beveled edge, novel, fashionable and beautiful.

Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.

TECHNICAL PARAMETERS			
Name		530B All-Steel Island Bench	530B All-Steel Wall Bench
Dimensions		L*1500*850mm	L*750*850 mm
Material	Main structure	Cold-rolled steel plate	
	Handle	One-piece forming, steel	
	Hinge	DTC105° hinge	
	Slide rail	DTC16" three-section guide rail	
	Bench top	Ceramic / physical and chemical board	

LABORATORY CABINET

Features

- A: The cabinet body is made of 1.0mm cold-rolled steel plate with surface electrostatically sprayed with epoxy resin powder, which is corrosion-resistant and suitable for laboratory environments;
- B: The cabinet comes standard with DTC hinges and guide rails, which are available with different brands according to actual needs.
- C: The door has convex double-beveled edges with one-piece bent steel handle, novel, fashionable and beautiful;
- D: Anti-tipping design is adopted for the cabinet and drawer guide rails are equipped with interlocking mechanism, so that drawers cannot be opened at the same time to effectively prevent the cabinet from tipping over.
- E: The laboratory cabinet is equipped with anti-static grounding port to ensure that it can be safely connected to the equipotential line.



530B ALL-STEEL SINGLE-DOOR FLOOR-MOUNTED CABINET

Dimensions:
460*500*820 mm (W × D × H)
610*500*820 mm (W × D × H)



530B ALL-STEEL DRAWERLESS FLOOR-MOUNTED HOST CABINET

Dimensions:
460*500*820 mm (W × D × H)



530B ALL-STEEL SINGLE-DOOR SINGLE-DRAWER FLOOR-MOUNTED CABINET

Dimensions:
460*500*820 mm (W × D × H)
610*500*820 mm (W × D × H)



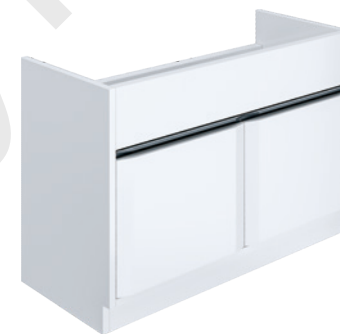
530B ALL-STEEL SINGLE-DRAWER FLOOR-MOUNTED HOST CABINET

Dimensions:
460*500*820 mm (W × D × H)



530B ALL-STEEL DOUBLE-DOOR DOUBLE-DRAWER FLOOR-MOUNTED CABINET

Dimensions:
870*500*820 mm (W × D × H)
1170*500*820 mm (W × D × H)



530B ALL-STEEL DOUBLE-DOOR FLOOR-MOUNTED SINK CABINET

Dimensions:
870*500*820 mm (W × D × H)
1170*500*820 mm (W × D × H)



530B ALL-STEEL DOUBLE-DOOR FLOOR-MOUNTED CABINET

Dimensions:
870*500*820 mm (W × D × H)
1170*500*820 mm (W × D × H)



530B ALL-STEEL DOUBLE-DOOR FLOOR-MOUNTED CABINET

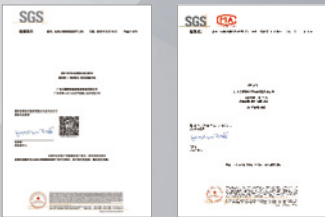
Dimensions:
1440*500*820 mm (W × D × H)

530B ALL-STEEL FLOOR-MOUNTED CORNER CABINET

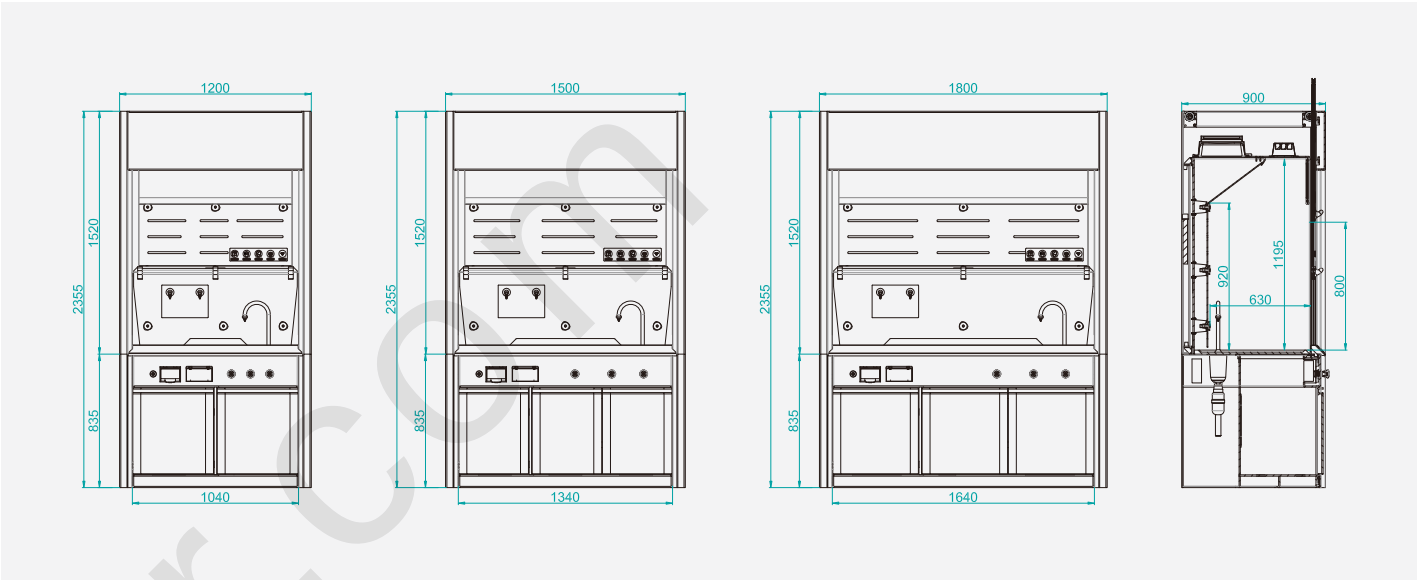
Dimensions:
780*780*820 mm (W × D × H)



Focus on
R&D and Innovation
Ensure that every laboratory
can operate safely



**ANTI-CORROSIVE PP
FUME HOOD**



Features

High-precision one-piece bending and forming, and strong acid/alkali/corrosion resistance ensure product accuracy and stability. The new concept of air intake system and the professional aerodynamic design are adopted to avoid the plain flow while personnel are walking. Deflector is used to prevent the gas vortex in the cabinet to ensure the stability and safety of the laboratory environment.

PRACTICAL
Narrow edge design with large space

SAFE
Leakage rate up to standard and anti-falling of viewing window

ENERGY-SAVING
0.3m/s bottom velocity

ANTI-CORROSION
Grade A anti-corrosive polypropylene material

Testing Certification

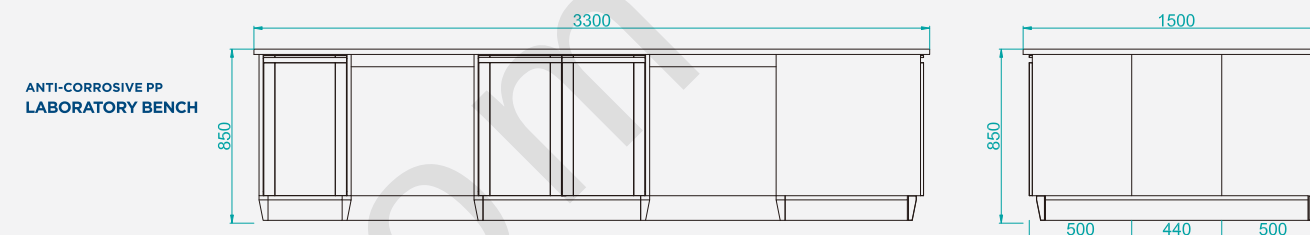
This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.

MODEL	ANTI-CORROSIVE PP FUME HOOD		
Length (mm)	1200	1500	1800
Depth (mm)	900	900	900
Height (mm)	2355	2355	2355
Net width of internal workspace (mm)	1040	1340	1640
Net depth of internal workspace (mm)	630	630	630
Net height of internal workspace (mm)	920 / 1195	920 / 1195	920 / 1195
Main material	8mmPP	8mmPP	8mmPP
Worktop material	Ceramic / physical and chemical board	Ceramic / physical and chemical board	Ceramic / physical and chemical board
Worktop size (mm)	1038*725	1338*725	1638*725
Lighting (LUX)	≥500	≥500	≥500
Socket	4*10A	4*10A	4*10A
Face velocity (m/s)	0.5m/s	0.5m/s	0.5m/s
Exhaust volume (m³/h)	940	1210	1500
Viewing window opening height (mm)	800	800	800



ANTI-CORROSIVE PP

LABORATORY BENCH



Features

The anti-corrosive island bench adopts the green and safety design concept. Environmentally friendly and non-toxic materials are used with high acid/alkali/corrosion resistance to ensure the health of scientific researchers. The one-piece handle with convex double-beveled edge design is fashionable and convenient. Dark gray beveled bottom is protected with protective enclosure, waterproof, stain-resistant and practical.

PRACTICAL

Waterproof and stain-resistant for easy cleaning

APPEARANCE

Convex double-beveled edge design, beautiful and practical

STRUCTURE

Concealed door shaft design and inclined floor enclosure

ANTI-CORROSION

Grade A anti-corrosive polypropylene material

Testing Certification

This product has been awarded a number of technical patents and has passed a series of authoritative testing certifications according to American, European and national standards.

TECHNICAL PARAMETERS		
Name		Anti-Corrosive PP Laboratory Bench
Dimensions		L*1500*850mm
Material	Main structure	8mm PP
	Handle	PP
	Hinge	PP
	Bench top	Ceramic / physical and chemical board
	Bottom cabinet	8mm PP

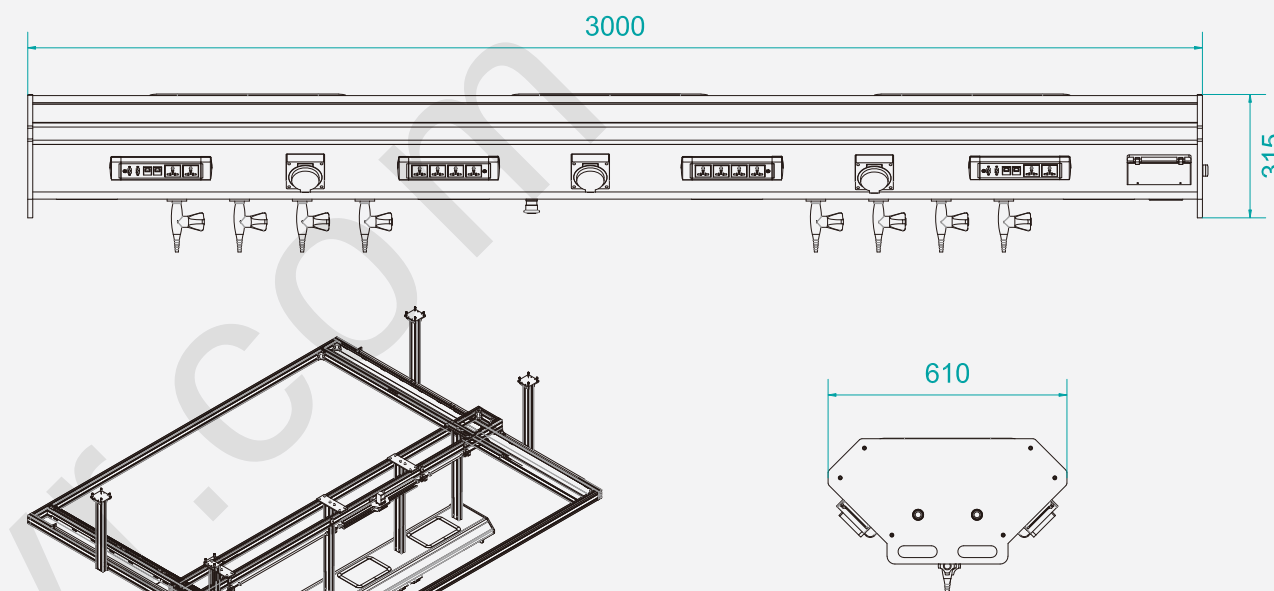
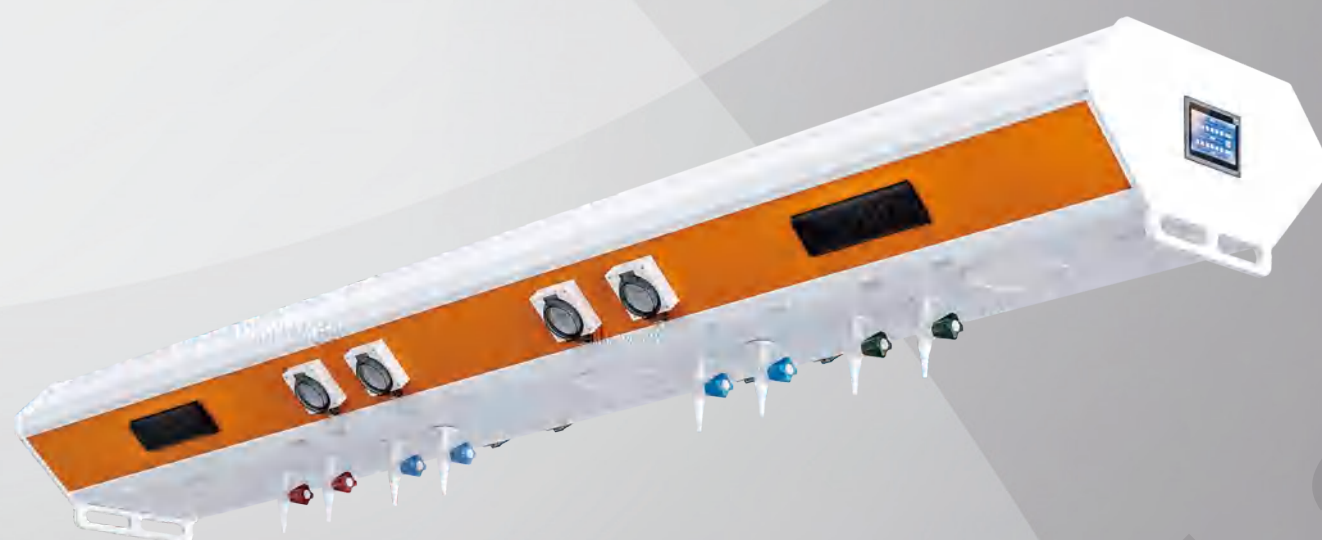
SUPPORTING PRODUCTS

Product Type

- Hexagonal Mobile Tower Crane
- Steel Flip-up Door Wall Cabinet
- All-steel Double-door Wall Cabinet
- All-steel High Cabinet
- All-steel Vessel Cabinet
- All-steel Locker
- All-steel Gas Cylinder Cabinet
- Flammable And Explosive Safety Cabinet
- Emergency Safety Island
- Fire-proof Gas Cylinder Cabinet
- All-steel Shelf
- All-steel Balance Table
- Steel Rectangular-ambulatory-plane Lab Bench
- 510A All-steel Single-door Single-drawer Movable Cabinet
- 510A All-steel Single-door Movable Cabinet
- 510A All-steel Three-drawer Movable Cabinet
- 630B Single-door Movable Cabinet
- 630B Single-door Single-drawer Movable Cabinet
- 630B Three-drawer Movable Cabinet
- Steel Functional Column
- Power Cable Box Of Reagent Rack
- Desktop Power Cable Box



HEXAGONAL MOBILE TOWER CRANE



Dimensions L*600*265 mm

Features

- A: The tower crane can greatly save the space and provide a flexible and ergonomic supply system solution. It is beautiful and generous with powerful expandability;
- B: Intelligent up, down, left and right movements to create a free space;
- C: The main body is made of aluminum alloy and compact plate with superior corrosion resistance. The air, power and IT interfaces originally installed on the wall can be installed on the functional wing;
- D: Water, electricity and gas panels can be equipped on both sides to meet a variety of use requirements.



STEEL FLIP-UP DOOR WALL CABINET

Dimensions:

1000*300*600 mm (W×D×H) (Manual)
1000*300*600 mm (W×D×H) (Electric)

Features

- A: Pneumatic lever type flip-up door is adopted without the space requirements of traditional doors, overcomes the disadvantages of sliding doors that are not easy to access, and more spaces are saved.
- B: The large-frame glass door design is more transparent and generous.
- C: It can be used with pull-down shelf, suitable for different heights of people and more spaces are saved under the wall cabinet;
- D: Concealed handle design to maintain the overall beauty.

ALL-STEEL HIGH CABINET

Dimensions:

900*450*1800 mm (W×D×H)
900*450*2000 mm (W×D×H)

Features

- A: The cabinet door has a double-layer design and the interior is filled with soundproofing materials;
- B: Stainless steel hinge, secure and durable;
- C: The upper and lower shelves can be adjusted with high-strength pins to make the storage space flexible;
- D: Anti-tipping device is provided to effectively prevent the cabinet from tipping over.



ALL-STEEL DOUBLE-DOOR WALL CABINET

Dimensions:

750*300*600 mm (W×D×H)
900*300*600 mm (W×D×H)

Features

- A: The cabinet door has a double-layer design and the interior is filled with soundproofing materials;
- B: One-piece steel handle is levelly connected with cabinet panel and different colors are available.
- C: Glass viewing window is equipped and internal items are clearly visible;
- D: Concealed glass clip design, beautiful and natural.



ALL-STEEL VESSEL CABINET

Dimensions:

900*450*1800 mm (W×D×H)
900*450*2000 mm (W×D×H)

Features

- A: The cabinet door has a double-layer design and the interior is filled with soundproofing materials;
- B: Ø30, Ø50, Ø70 and Ø100 shelves are available, suitable for all kinds of laboratory vessels;
- C: The shelf is made of compact materials with load-bearing capacity up to 30kg;
- D: PP drip tray is used at the bottom to collect corrosive residual liquid;
- E: Anti-tipping device is provided to effectively prevent the cabinet from tipping over.



ALL-STEEL LOCKER

Dimensions:

900*500*1800 mm (W×D×H)
900*500*2000 mm (W×D×H)

Features

- A: The cabinet door has a double-layer design and the interior is filled with soundproofing materials;
- B: A layer of shoe shelf is arranged at the bottom for easy changing of shoes;
- C: Stainless steel clothes hanger rod, suitable for lab coats.
- D: Anti-tipping device is provided to effectively prevent the cabinet from tipping over.



ALL-STEEL GAS CYLINDER CABINET

Dimensions:

900*450*2000 mm (W×D×H)

Features

- A: The cabinet door has a double-layer design and the interior is filled with soundproofing materials;
- B: One-piece steel handle is painted yellow for warning;
- C: Glass viewing window is equipped to easily observe the status of the cylinder;
- D: Gas access holes are arranged on the top and the side for easy gas pipe arrangement;
- E: Cylinder fixing device is equipped inside and two 40L cylinders can be fixed with chains at the same time to prevent the gas cylinder from tipping over;
- F: Vents are at the top for easy access to the ventilation system;
- G: Gas alarm device is optional.
- H: Equipped with anti-tipping device to effectively prevent the cabinet from tipping over.



FLAMMABLE AND EXPLOSIVE SAFETY CABINET



DOUBLE-DOOR FLAMMABLE AND EXPLOSIVE SAFETY CABINET

Dimensions 1100*650*1800 mm

Features

- A: Material: Double-layer steel plate, and the inner layer includes air layer and insulation layer. The insulation layer is made of A1 fireproof material with high temperature resistance of 1,000°C, thermal conductivity of 1,000°CW/0.086, and room temperature strength of 2MPa. It has low thermal conductivity, good thermal insulation, low density and high hardness.
- B: Sealing strip: The self-adhesive anti-aging and anti-smoke sealing strip is used with good sealing performance, strong resilience and not easy to deform, flame retardant VW-1 and can withstand 600°C temperature. Self-adhesive expansion strip is used along the door frame and completely unaffected by water and moisture. It expands rapidly when exposed to fire without ashing or cracking. It has strong tensile resistance and the expansion coefficient is up to 15-20 times.
- C: Cabinet door: It is safely sealed with sealing gap less than 2mm. The door panel perfectly fits with the cabinet body to effectively prevent fire from entering the cabinet.
- D: Vent: The two 2" vents with flame arresters are located at the bottom and top of both sides to safely reduce the accumulation of harmful gas in the cabinet, and effectively prevent the fire from entering the cabinet.
- E: Warning slogans: They are reflective, made of 3M material, visible distance up to 20m at night, and in six languages.
- F: PP tray: The PP tray in the acid-and-alkali-resistant safety cabinet is molded with thickness up to 5mm. It is flexible, robust and durable. It is made of high strength PP with excellent corrosion resistance.
- G: Top structure: Differential structure design with perfect plane, not easy to accumulate dirt, and easier to clean.

FLAMMABLE AND EXPLOSIVE SAFETY CABINET - LOWER CABINET

Dimensions 515*500*710 mm

**The Product Has Passed The
60min Fire Test According to
En14470 Fire-resistant
Storage Cabinet.**



TECHNICAL PARAMETERS

Product Type	Double-door Safety Cabinet	Safety Cabinet - Lower Cabinet
Fire resistance rating	60min.	60min.
Shelf	3 layers	1 layer

EMERGENCY SAFETY ISLAND

Dimensions: 1200*692*2350 mm

Features

- A: The cabinet body is made of 1.0mm cold-rolled steel plate with surface electrostatically sprayed with epoxy resin powder, which is corrosion-resistant and suitable for laboratory environments;
- B: Emergency lighting, emergency showers, emergency fire extinguishers, first-aid kit, fire blankets, gas masks and protective clothing are provided in a single cabinet for timely access to required items in case of emergency to shorten the rescue time;
- C: Water immersion alarm is equipped to sense whether there is water in the laboratory through the water immersion sensor and gives an alarm so as to avoid damage to the laboratory equipment due to water immersion;
- D: Glass door with aluminum alloy handle, simple and beautiful.
- E: Equipped with anti-tipping device to effectively prevent the cabinet from tipping over.



FIRE-PROOF GAS CYLINDER CABINET

Dimensions: 900*450*2100 mm

Features

- A: The cabinet body is made of double-layer steel plate and the inner layer includes air layer and insulation layer. The insulation layer is made of A1 fireproof material with low thermal conductivity, good thermal insulation, low density and high hardness;
- B: The cabinet coating is sprayed with epoxy resin powder, which has high corrosion resistance. The coating process is safe and reliable with excellent adhesion, even the inaccessible hidden places in the cabinet will not peel off for a long time;
- C: Cabinet door: It is safely sealed with sealing gap less than 2mm. The door panel perfectly fits with the cabinet body to effectively prevent fire from entering the cabinet.
- D: Equipped with self-closing mechanism for air inlet and vent in case of fire to prevent external hot air from entering the cabinet.
- E: Warning slogans: They are reflective, made of 3M material, visible distance up to 20m at night, and in six languages.
- F: Pass the 90min fire test.
- G: Anti-tipping device is provided to effectively prevent the cabinet from tipping over.



ALL-STEEL SHELF

Dimensions: 1000*500*2000 mm 1300*500*2000 mm
1600*500*2000 mm 1900*500*2000 mm

Features

- A: The cabinet body is made of 1.0mm cold-rolled steel plate with surface electrostatically sprayed with epoxy resin powder, which is corrosion-resistant and suitable for laboratory environments;
- B: Piece-mounted structure, which can be used as one piece or separately, easy to disassemble;
- C: The column is equipped with adjustable holes, which can be used to adjust the spacing of shelves according to the height of goods;
- D: Reinforcing ribs are arranged under the shelves with load-bearing capacity of each shelf up to 250kg.



ALL-STEEL BALANCE TABLE

Dimensions: 900*600*850 mm

Features

- A: The rectangular-ambulatory-plane frame is made of high-quality steel plates and special connecting parts are used with high stability and load-bearing capacity. The overall static load-bearing capacity is >250KG and service life >15years;
- B: All-steel structure and three-stage anti-vibration design;
- C: The level can be adjusted independently and the shock resistance is good, suitable for operation of balance below level 100,000.



STEEL RECTANGULAR-AMBULATORY-PLANE LAB BENCH

Dimensions: Island bench L*1440*790 mm
Wall bench L*750*790 mm

Features

- A: The rectangular-ambulatory-plane frame is made of high-quality steel plates and special connecting parts are used with high stability and load-bearing capacity. The overall static load-bearing capacity is >250KG and service life >15years;
- B: Large operating space under the cabinet and high flexibility, easy for subsequent movement and configuration of cabinets with different performances.



LAB BENCH MOVABLE CABINET

Features

- A: The cabinet body is made of 1.0mm cold-rolled steel plate with surface electrostatically sprayed with epoxy resin powder, which is corrosion-resistant and suitable for laboratory environments;
- B: The cabinet comes standard with DTC hinges and guide rails, which are available with different brands according to actual needs.
- C: One-piece bent steel handle for 510A, simple and beautiful.
- D: Convex double-beveled edge design for 630B door, novel, fashionable and beautiful;
- E: Alloy adjustable feet are arranged at the bottom front of the movable cabinet and directional wheels are arranged at the rear to prevent tipping and keep the cabinet neatly arranged.
- F: Anti-tipping design is adopted for the cabinet and drawer guide rails are equipped with interlocking mechanism, so that drawers cannot be opened at the same time to effectively prevent the cabinet from tipping over.
- G: The laboratory cabinet is equipped with anti-static grounding port to ensure that it can be safely connected to the equipotential line.



510A ALL-STEEL SINGLE-DOOR SINGLE-DRAWER MOVABLE CABINET

Dimensions:
475*505*730 mm (W×D×H)



510A ALL-STEEL SINGLE-DOOR MOVABLE CABINET

Dimensions:
475*505*730 mm (W×D×H)
600*505*730 mm (W×D×H)



510A ALL-STEEL THREE-DRAWER MOVABLE CABINET

Dimensions:
450*505*730 mm (W×D×H)
600*505*730 mm (W×D×H)



630B SINGLE-DOOR MOVABLE CABINET

Dimensions:
475*505*730 mm (W×D×H)
600*505*730 mm (W×D×H)



630B SINGLE-DOOR SINGLE-DRAWER MOVABLE CABINET

Dimensions:
450*505*730 mm (W×D×H)
600*505*730 mm (W×D×H)



630B THREE-DRAWER MOVABLE CABINET

Dimensions:
450*505*730 mm (W×D×H)
600*505*730 mm (W×D×H)



STEEL FUNCTIONAL COLUMN

Dimensions: 300*150 mm*H

Features

- A: It is made of 1.0mm cold-rolled steel plate and the surface is electrostatically sprayed with epoxy resin powder, which is corrosion-resistant and suitable for laboratory environments;
- B: The size can be adjusted according to the required space for water, electricity and gas pipes, which are separately installed in the functional column;
- C: Equipped with lockable access door for easy follow-up inspection and maintenance.

POWER CABLE BOX OF REAGENT RACK

Dimensions: 250*100*40 mm

Features

- A: It is made of 1.0mm cold-rolled steel plate and the surface is electrostatically sprayed with epoxy resin powder, which is corrosion-resistant and suitable for laboratory environments;
- B: The size can be customized according to the configuration to meet the installation requirements of different types of sockets.

DESKTOP POWER CABLE BOX

Dimensions: 150*75*90 mm
250*75*90 mm

Features

- A: Aluminum ingots are stretched by dedicated molds according to 6063-T5 national standard and sprayed with epoxy resin powder with coating thickness N75Qm, corrosion resistant, smooth and consistent in color;
- B: Independent aluminum alloy cable trough with surface electrostatically sprayed with epoxy resin powder under high pressure, which is acid and alkali resistant, and suitable for laboratory environments.



TYPICAL
CASES

7 SERIES





6 SERIES





n2
TYPICAL
CASES



5 SERIES



n2
TYPICAL
CASES

04

NAME OF PROJECT CUSTOMERS

Education System

Shenzhen MSU-BIT University
School of Chemical Engineering and Materials, Sun Yat-Sen University
Guangxi University
Public Laboratory Teaching Center, Office of Education Administration, Sun Yat-Sen University
School of Chemistry, Sun Yat-Sen University
Shanghai Ocean University
College of Textiles & Clothing, Qingdao University
School of Medicine, Zhejiang University of Technology
Southern Medical University
Southern University of Science and Technology, Shenzhen
Shenzhen X-Institute
Center Building of Zhejiang University of Technology
Shandong Normal University
South China University of Technology
Shenzhen University of Technology
Shunde Graduate School of University of Science and Technology Beijing
Jiangmen Vocational College of Traditional Chinese Medicine
Quzhou Research Institute of Zhejiang University
Guangxi Minzu University
Sanya Research Institute of China Agricultural University
Fujian Normal University
Westlake University
Guangzhou Huashang College
Hubei Minzu University
College of Chemical Science and Engineering, Yunnan University
Zunyi Medical University
Fuzhou International Joint Institute of Tianjin University

Scientific Research Institutions

Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences
Chengdu Agricultural Science and Technology Center
State Key Laboratory of Tree Genetics and Breeding
Zhanjiang Bay Laboratory, Guangdong Province
Laboratory of Sichuan Pesticide Institute
Comprehensive Management Area of Luoqi Waste Landfill, Yubei District, Chongqing
Qingdao International Academician Port
Sanya Nanfan Science and Technology Research Institute
Institute of Subtropical Agroecology, Chinese Academy of Sciences
Huizhou Xuri Technology Park
Zhaoqing Branch Center of Guangdong Provincial Laboratory of Lingnan Modern Agricultural Science and Technology
Sugarcane Farm, Yazhou Avenue, Yazhou, Sanya
Bohai RimAdvanced Research Institute for Drug Discovery
Shantou Chemical and Fine Chemical Industry Laboratory of Guangdong Province
Shenzhen Agricultural Science and Technology Promotion Center
Academy of Pharmacy, Chinese Academy of Sciences
Yulin Branch of Institute of Clean Energy Innovation, Chinese Academy of Sciences
Guangdong Institute of Special Equipment Inspection and Research Dongguan Branch
Qingyuan Fogang Base Laboratory
Chongqing Jinfeng Laboratory
Zhongshan Cuiheng Biomedical Innovation Center
Guangxi Fangchenggang Food Research Institute
Hunan Food and Drug Inspection and Testing Base
Chongqing Drug Administration
High-level Hospital Scientific Research Platform of Shunde Hospital of Southern Medical University

Inspection and Testing Industry

Xinjiang Shihezi Food and Drug Administration
Market Supervision and Administration Bureau of Changde, Hunan Province
Drug Testing Institute of Yulin, Shaanxi Province
Yinchuan Water Quality Testing Center
Dongguan Customs of the People's Republic of China
Hangzhou Customs of the People's Republic of China
Harbin GenVista Medical Laboratory Co., Ltd.
Shenzhen HaploX Medical Laboratory
Changde Market Supervision and Administration Bureau (National Household Paper Center)
Guangxi ASEAN Drug Inspection and Testing Center
Hunan Fireworks and Firecrackers Quality Supervision and Inspection Center
Guangdong Medical Device Quality Surveillance and Test Institute
Jiangmen Customs Technical Center of the People's Republic of China
Chongqing Drug Administration
Hunan New Sky Testing Technology Co., Ltd.
Guangzhou Huibiao Testing Technology Center

Public Health and Medical System

Sun Yat-sen University Cancer Center
The Third People's Hospital of Guizhou Province
Guangdong Provincial People's Hospital
Jiangxi Provincial Children's Hospital
Shanxi Taiyuan Jinyuan District Center for Disease Control and Prevention
Shanxi Taiyuan Xiaodian District Center for Disease Control and Prevention
Guangdong Yangjiang Center for Disease Control and Prevention
Hubei Ezhou Center for Disease Control and Prevention
Guangdong Yangjiang Center for Disease Control and Prevention
Hubei Ezhou Center for Disease Control and Prevention
Hunan Chenzhou Center for Disease Control and Prevention
Hubei Xiantao Public Inspection and Testing Center
Youcare Pharmaceutical Group Hangzhou Pharmaceutical Port
Hubei Xishui Center for Disease Control and Prevention
Qiandongnan Miao and Dong Autonomous Prefecture Center for Disease Control and Prevention
Hunan Zhangjiajie Center for Disease Control and Prevention
Hubei Yichang Center for Disease Control and Prevention
Anhui Tongling Center for Disease Control and Prevention
Zhejiang Huakang Pharmaceutical Co., Ltd.
Fujian Fuzhou Center for Disease Control and Prevention

Enterprise R&D

Yichang Xingxing Blue Sky Technology Co., Ltd.
Dongying Weilian Chemical Co., Ltd.
Jiuyi Zhenxi Investment Management (Beijing) Co., Ltd.
Zhongshan Wanhan Pharmaceutical Co., Ltd.
Sinochem Blue Sky Group Co., Ltd.
Hubei Xingrui Silicon Materials Co., Ltd.
Food Research and Testing Center of Sun Yat-Sen University
Chengdu Shuode Pharmaceutical Co., Ltd.
Coyote Bioscience (Beijing) Co., Ltd.
Angel Yeast Co., Ltd.
Shaanxi Yaxin Energy Group Co., Ltd.
Wuhan Renfu Innovative Drug R&D Center Co., Ltd.
Freudenberg Apollo Filtration Technologies Co., Ltd.
Shenzhen XtalPi Technology Co., Ltd.
Shanghai Dujiang Construction Engineering Co., Ltd.
Zhengzhou Antu Engineering Co., Ltd.
Chongqing Porton Pharmaceutical Co., Ltd.
Shanghai Bolan Laboratory
Guangzhou Daan Gene Co., Ltd.
Zhengzhou Antu Engineering Co., Ltd.
Wuhan Renfu Innovative Drug R&D Center Co., Ltd.
Guangdong Jiaying Testing Center Co., Ltd.
Wenzhou South Zhejiang Science and Technology City New World of Innovation and Entrepreneurship
Eurofins Technology Group
Jinsanjiang (Zhaoqing) Silicon Materials Co., Ltd. R&D Center
Ganzhou Leilikang Technology Co., Ltd.
Hubei Xingfa Chemical Group Co., Ltd.
Guangzhou Chasing Light Technology Co., Ltd.
Royobiotech Co., Ltd. (Shanghai, China)
Moon (Guangzhou) Biotech Co., Ltd.
Guangzhou Huayin Health Medical Group Co., Ltd.
Zhejiang Xin'an Chemical Group Co., Ltd.
Akeso Biopharma Co., Ltd.
China State Construction Eighth Engineering Bureau Co., Ltd.
Shandong Tianyuan Decoration Engineering Co., Ltd.
Guangzhou Environmental Protection Technology Co., Ltd.
Shanghai Lumei Medical Technology Co., Ltd.
Chengdu Microchip Pharmaceutical Co., Ltd. Chengdu R&D Building

Environmental Supervision and Protection

Guangdong Environmental Monitoring Center Laboratory
Ecological Environment Bureau of Zunyi, Guizhou Province

Petrochemical Industry and Tobacco

Zhejiang Hengyi Group Co., Ltd.
China Pingmei Shenma Holding Group Co., Ltd.
Hubei Xingrui Silicon Materials Co., Ltd. (Silicone)
Qicheng Shandong Petrochemical Group Limited
Shenghong Refining & Chemical (Lianyungang) Co., Ltd.
China Tobacco Sichuan Industrial Co., Ltd. Great Wall Cigar Factory
Dalian Hengli Petrochemical New Material Research and Development Center
Hubei Xinyi Chemical Co., Ltd. Differentiation Center
China National Offshore Oil Corporation

Public Security System

Public Security Bureau of Dongyang, Zhejiang Province
Public Security Bureau Project of Yancheng, Jiangsu Province
Public Security Bureau of Dezhou, Shandong Province