



**PLAN
&
DESIGN**

QUALITY FIRST,
INTEGRITY-BASED

ORIONER AND LABORATORY

BASIC EQUIPMENT OF MODERN LABORATORY



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All-Steel Laboratory Bench

Made from 1.0 mm high-quality cold-rolled steel plates, processed with CNC laser cutting, folding, gas-shielded welding, and epoxy powder coating. Tabletop options include solid physical and chemical board, epoxy resin board, or ceramic panel.

Recessed Model



Overlaid Model



U Shape Handle

Steel-Wood Experimental Bench

Features a 38 × 58 × 1.2 mm cold-rolled steel frame with gas-shielded welding and epoxy coating. The cabinet is built from 18 mm melamine-faced panels, CNC-cut and drilled. Tabletop options include solid physical and chemical board, epoxy resin board, or ceramic panel.



Straight Handle



PP Test Bench

The cabinet body is made of 8 mm high-quality pure polypropylene (PP) board with a detachable structure, molded PP rails, and U-shaped PP handles. Tabletop options include PP board, solid physical and chemical board, epoxy resin board, or ceramic panel, based on laboratory needs.

Side Bench



Middle Bench



Stainless Steel Experimental Bench

Constructed from 1.0 mm high-quality 304 stainless steel plate, processed via CNC laser cutting, CNC folding, and gas-shielded welding. Equipped with silent three-section slide rails and stainless steel hinges. The tabletop can be stainless steel, solid physical and chemical board, epoxy resin board, or ceramic panel.

U Shape Handle



Straight Handle



All-Wood Experimental Bench

Made from E1-grade 18 mm melamine-faced panels with edges sealed using imported PVC edge banding. Assembled with three-in-one connectors, wooden dowels for positioning, silent three-section slide rails, and aluminum U-shaped handles. Tabletop options include solid physical and chemical board, epoxy resin board, ceramic panel, etc.

Straight Handle



U Shape Handle
Recessed Cabinet

Countertop

PP board, stainless steel, marble, solid chemical resistant board, epoxy resin board, ceramic panel, etc.

01 Ceramic Top



02 Stainless Steel Top



04 Anti-Corrosive Top



03 PP Top





All-Steel Fume Hood

Made from 1.0 mm high-quality cold-rolled steel plate using CNC laser cutting, CNC folding, gas-shielded welding, and epoxy powder coating via an automated line. Features a stepless sliding door with 5 mm anti-fold special panel and no exposed metal inside. Optional accessories include LED lighting, 10A three-hole socket, LCD control panel, and water fittings.



PP Fume Hood

The cabinet is made of 8 mm high-quality pure polypropylene (PP) board in a detachable design, with molded PP rails and U-shaped PP handles. Features a 5 mm tempered glass sliding door with stepless stop (optional organic glass), LED lighting, 10A three-hole socket, LCD control panel, and a choice of PP or anti-corrosive tabletop.

Stainless Steel Fume Hood

Constructed from 1.0 mm high-quality 304 stainless steel, precisely processed using CNC laser cutting, CNC folding, and gas-shielded welding for durability and corrosion resistance.



Custom Options
Fume hoods can be customized in various materials and sizes according to specific requirements.



Aluminum-Wood Medicine & Utensil Cabinet



Built with aluminum alloy profiles and connected using zinc alloy or PP connectors. Features 12 mm adjustable feet and a high-temperature cured epoxy powder coating for excellent corrosion resistance. Rust-free and aesthetically pleasing.

PP Medicine & Utensil Cabinet



Crafted from 8 mm thick pure polypropylene (PP) board with molded PP rails, hinges, and U-shaped handles. Includes reinforced movable shelves. Ideal for storing strong acids, alkalis, and highly corrosive chemicals.

All-Steel Medicine & Utensil Cabinet



Made from 1.0 mm high-quality cold-rolled steel plate, processed with CNC laser cutting, CNC folding, gas-shielded welding, and epoxy powder coating via an automatic spraying line. Includes adjustable internal shelves, built-in PP handles, 115° hinges, and 8 mm galvanized nylon adjustable feet.

Stainless Steel Medicine & Utensil Cabinet



Constructed from 1.0 mm high-quality 304 stainless steel, precisely CNC-cut, folded, and gas-shielded welded. Fitted with stainless steel handles and hinges for durability and hygiene.



All-Steel Gas Cylinder Cabinet

Made from 1.0 mm high-quality cold-rolled steel, processed with CNC laser cutting, folding, gas-shielded welding, and epoxy powder coating. Features reinforced bottom ribs for high load capacity, a built-in gas cylinder cassette with steel pad, and optional combustible gas alarms.



Drug Cabinet

Constructed from 1.0 mm cold-rolled steel with a double-layer structure, processed through CNC cutting, folding, gas-shielded welding, and epoxy coating. Equipped with an LCD electronic password lock, mechanical lock, dual-lock control, anti-theft alarm, and ventilation slots for airflow and safety.

PP Acid-Base Cabinet

Made of 8 mm thick high-purity porcelain white polypropylene (PP) board, welded with matching color rods. Includes molded PP rails, U-shaped PP handles, and reinforced shelves. Designed for strong resistance to acids, alkalis, impacts, and corrosion.



Dangerous Chemical Safety Cabinet

Built with 1.0 mm cold-rolled steel (2.0 mm base), pickled and phosphated, then electrostatically sprayed and heat-cured. Offers corrosion, moisture, and UV resistance with a high-gloss finish. Features an integrated alarm and a 110 mm top air outlet for ventilation.



Aluminum Glass Reagent Rack

Features aluminum alloy columns and baffles, with hanging components formed from bent steel plates. Shelves are made of 8–12 mm thick glass.



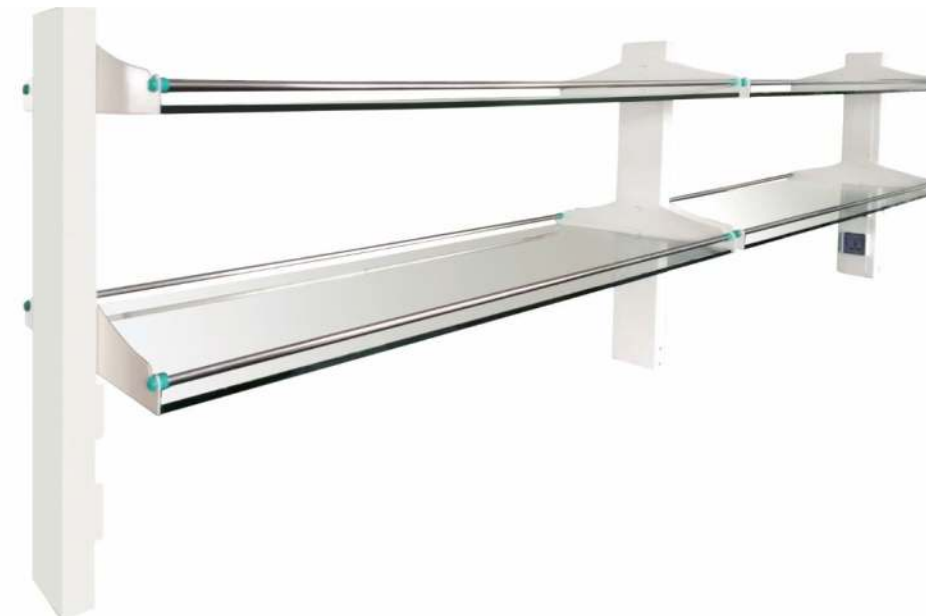
Rhombus-shaped Column Reagent Rack

Made entirely from 1.0 mm high-quality cold-rolled steel, precision cut by CNC laser, CNC folded, gas-shielded welded, and coated with epoxy resin powder for enhanced durability and chemical resistance.



Steel Glass Reagent Rack

Constructed with 40×100×1.2 mm high-quality cold-rolled steel columns and stainless steel baffles. Hanging plates are bent steel, and the shelves are 8–12 mm glass.





All-Steel Exhaust Hood

Made from 1.0 mm high-quality cold-rolled steel, precisely cut and folded using CNC machines, gas-shielded welded, and coated with epoxy resin powder via an automated spraying line.

PP Exhaust Hood

Constructed from 8 mm high-purity polypropylene (PP) board with a detachable structure. Features molded PP tracks and a 5 mm tempered glass sliding door with stepless stop (optional organic glass). Equipped with LED lighting, a 10A three-pin socket, and an LCD control panel.



Stainless Steel Exhaust Hood

Built from 1.0 mm premium 304 stainless steel plate, processed with CNC laser cutting and folding, and welded using gas shielding for durability and corrosion resistance.



Top Exhaust Hood

The hood is made of fiberglass-reinforced plastic with an aluminum alloy frame. Fabricated through CNC cutting, CNC punching, plasma cutting, and epoxy powder coating on an automated production line.



Stainless Steel Shoe Cabinet

Made from 1.0 mm high-quality 304 stainless steel plate, processed with CNC laser cutting, folding, and gas-shielded welding. Customizable in various styles based on user requirements.



All-Steel Locker

Constructed from 1.0 mm cold-rolled steel plate, precision CNC-cut, folded, gas-shielded welded, and epoxy powder coated via an automated line. Includes adjustable shelves, 115° hinges, and 1.5 mm stainless steel shelf supports.



All-Steel Balance Platform

Fabricated from 1.0 mm cold-rolled steel plate, CNC-processed and epoxy-coated. Features a 400×300×60 mm thick marble platform. Equipped with 80-grade soft shock-absorbing feet, suitable for 0.01mg precision balances.



All-Steel Heavy-Duty Shelves

Crafted from 1.0 mm cold-rolled steel, CNC-cut, punched, gas-shielded welded, and epoxy powder coated. Shelving is freely detachable, with height-adjustable movable layers for flexible storage.



PP Centrifugal Fan



PP Axial Flow Fan



PP Diagonal Flow Fan



PP Medium Sink



PP Drip Rack



Triple Faucet



Eyewash Station



Universal Exhaust Hood



Atomic Air Suction Hood



Socket



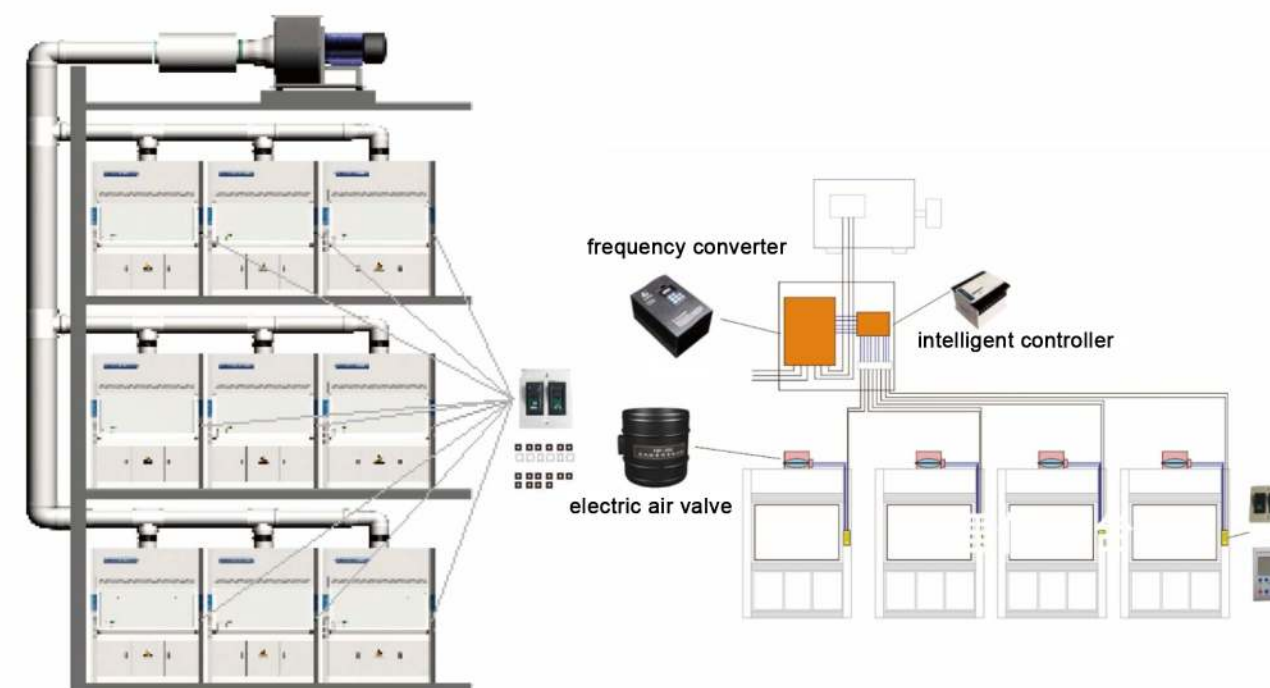
Stool



Trolley

Intelligent Ventilation Control System

This system enables independent control of multiple fume hoods across different floors. When a fume hood is activated, the rooftop fan adjusts airflow accordingly. As more hoods are used, fan speed increases; as they are turned off, airflow decreases. The fan stops when all hoods are closed—eliminating the need for centralized manual control.



Schematic Diagram of Intelligent Control of Building Ventilation

Equipment used: fume hood, pipes, electric air valve, frequency converter, intelligent controller, fan.



Frequency Converter



Controller



Electric Air Valve