

# BROCHURE

Hebei Weiyang Electrical Equipment Co., Ltd.



Expert in perforated plates and sheet metal



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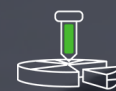
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 HOLE PLATE PROCESSING

 PERFORATED PANEL



Laser Cutting



CNC Bending



Automated Welding



Surface Treatment



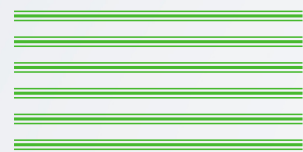
Custom Logo



Assembly & Integration

**WEIYANG**

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- Medical Series
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- New Energy Series
- Logistics Series



# Focus on

## PERFORATED PLATES HOLE PLATES PRECISION SHEET METAL PROCESSING

### Weiyang Electrical Equipment

Hebei Weiyang Electrical Equipment Co., Ltd., based in Hebei Province, China, specializes in perforated boards, panels, and high-precision sheet metal processing. The company combines R&D, intelligent manufacturing, international trade, and custom services to offer high-quality, efficient, and personalized metal processing solutions to global customers.

### Production Advantages

The company's production facility is equipped with advanced CNC punching lines, laser cutting machines, CNC bending systems, automated welding platforms, and multifunctional surface treatment lines, providing full production capabilities from raw materials to finished products. With the implementation of ERP systems and lean manufacturing models, Weiyang has achieved seamless integration of flexible manufacturing, quick response, and high-quality delivery.

### Products

Products include perforated boards, decorative panels, protective mesh panels, electrical and cabinet enclosures, and sheet metal parts for electrical accessories. They are widely used in construction, rail transport, power electronics, industrial equipment, and new energy sectors. The company is ISO 9001 certified, and its products meet international standards such as CE and RoHS, exported to Europe, Southeast Asia, the Middle East, South America, and other regions, earning high trust and praise from global customers.

### Strategic Direction

Weiyang's development strategy is centered around the core concept of "Quality as the Foundation, Innovation for the Future." The company focuses on increasing investment in technological research and intelligent manufacturing, driving the transformation of traditional sheet metal processing to digitalization, automation, and intelligence. With a professional foreign trade team and technical support system, Weiyang can quickly respond to customized demands, offering end-to-end services from product design and prototyping to small-batch trial production and large-scale delivery.



# COMPANY CULTURE

Pursue Perfection  
Customer-Oriented  
Innovation-Driven  
Win-win Cooperation

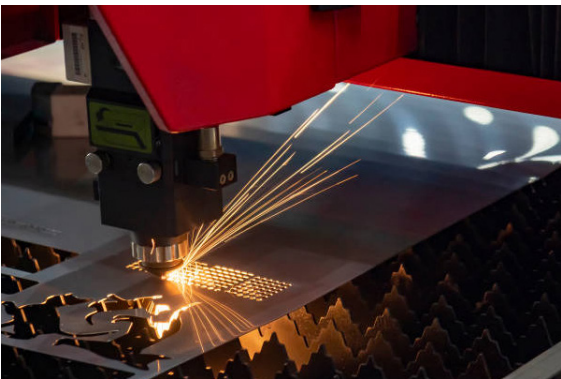
# Company Vision

To become a trusted and excellent supplier in the global metal processing field

## 2015

Foundation of entrepreneurship

Company founded, introduced CNC punch press, starting semi-automatic production and 'quality for survival'.



## 2015

Technology Upgrade

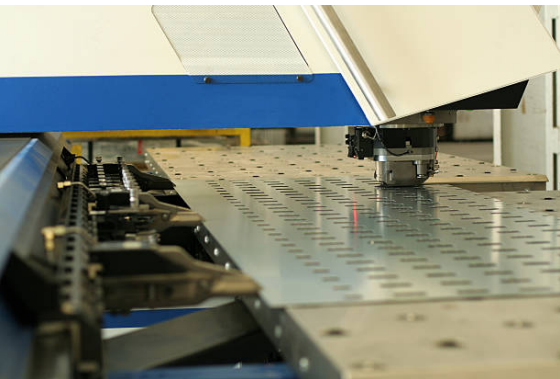
Added laser cutting equipment for precision processing, passed ISO9001 certification, developed first standardized perforated plate product series.



## 2019

Foundation of entrepreneurship

Factory expanded to 10,000 sqm, production up 300%, started cross-border e-commerce, partnered with 5 top electrical manufacturers.



## 2021

Smart Manufacturing

Introduced MES production management system, achieved digital transformation, launched new energy product line.



## 2023

International Expansion

Annual export value surpassed 10 million RMB.



## 2025

Future Plans

Planning to build an intelligent production base, aiming to become an export industry benchmark,





## SERVICES

To create quality sheet metal  
with craftsmanship and create customer value  
through innovation



### Product Quality Commitment

Strict Quality Control: All products undergo rigorous quality monitoring to meet international standards and industry requirements.

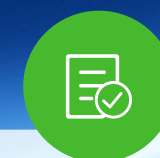
Zero Defect Delivery: We guarantee zero defect products, ensuring they are produced according to customer requirements and meet expected standards.



### On-Time Delivery Commitment

Timely Delivery: With efficient production and supply chain management, we guarantee on-time delivery for all orders, and we communicate in advance for bulk or custom orders.

Global Logistics Coverage: Flexible logistics solutions are provided to ensure products are delivered on time and safely.



### Customer Satisfaction Commitment

Technical Support: Full technical support to ensure easy and accurate product use.

After-Sales Service: Comprehensive services including maintenance, troubleshooting, replacement, and upgrades, with 24-hour customer support.

Customer Satisfaction: Regular feedback collection to improve service quality and ensure a satisfying experience.



### Customization Commitment

Tailored Solutions: We provide personalized product designs and solutions based on customer needs.

Fast Response Mechanism: For urgent orders, we guarantee a quick response and short delivery time to meet emergency needs.



# SERVICE INDUSTRY

## 01 Building decoration



**Application scenarios**

- Facade curtain wall decoration
- Indoor ceiling, partitions
- Balcony guardrails, stair treads
- Decorative sunshade panels, fences

**Product advantages**

- Elegant design, rich hole patterns, custom designs available
- Transparent lighting, balancing privacy and visual depth
- Corrosion-resistant, suitable for indoor and outdoor environments
- Easy to process and install, compatible with modern architectural styles

## 02 Industrial filtration



**Application scenarios**

- Equipment protective covers, motor covers
- Machine tool ventilation panels, safety barriers
- Production line safety partitions, ventilation guards

**Product advantages**

- Precision holes, high filtration efficiency
- Consistent hole diameter, ensuring stable filtration
- High strength, not easy to deform, suitable for high-pressure filtration systems
- Optional materials such as stainless steel, aluminum alloy for corrosion resistance

## 03 Mechanical protection



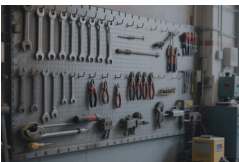
**Application scenarios**

- Equipment protective covers, motor covers
- Machine tool ventilation panels, safety barriers
- Production line safety partitions, ventilation guards

**Product advantages**

- Protect personnel safety, prevent foreign objects from entering equipment
- Good ventilation and heat dissipation to ensure stable equipment operation
- Durable and impact-resistant
- Customizable structures for various industrial equipment

## 04 Storage and organization



**Application scenarios**

- Tool pegboards, workshop workbench back panels
- Home garage storage systems
- Parts management wall systems

**Product advantages**

- Multi-hole structure, flexible hook combinations, improving space utilization
- Strong bearing capacity, supports hanging heavy tools
- Easy to install, suitable for factories, homes, and retail stores
- Customizable colors and surface coatings, combining practicality with aesthetics

## 05 Acoustic engineering



**Application scenarios**

- Sound-absorbing wall panels, soundproof ceilings
- Soundproofing room linings
- Public transport sound barriers (subways, highways, etc.)

**Product advantages**

- Used with sound-absorbing cotton to enhance noise reduction
- Stable structure, uniform hole patterns, high sound absorption efficiency
- Durable and fire-resistant, suitable for large public projects
- Supports large-scale installation, easy maintenance



# PERFORATED BOARD PROCESSING -1



## Core Process Flow

### -01. Demand analysis and design review



- Confirm hole types (round/square/irregular), hole diameter, hole pitch, arrangement method (matrix/honeycomb/custom)
- Evaluate plate thickness (usually 0.5-6mm) and material choice (aluminum/stainless steel/galvanized steel, etc.)
- Provide DFM (Design for Manufacturability) suggestions to avoid design conflicts

### -02. Precision cutting



#### • Laser cutting

Applicable Scenarios	High precision complex patterns
Precision	±0.1mm
Features	No burrs, smooth hole edges

#### • CNC punching

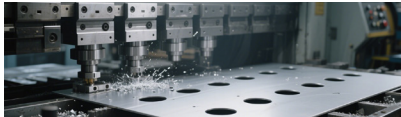
Applicable Scenarios	Large batch standard holes
Precision	±0.15mm
Features	High efficiency, cost-effective

#### • Water jet cutting

Applicable Scenarios	Extra-thick plates (>10mm)
Precision	±0.2mm
Features	No thermal deformation



### -03. Punching



#### • Process Control

Hole pitch tolerance	±0.1mm (precision grade) / ±0.3mm (standard grade)
Burr height	≤ 0.05mm (requires secondary deburring)

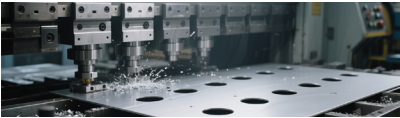
#### • Mold Selection

Standard round hole	Use multi-station dies for simultaneous punching
Irregular hole	Custom tungsten carbide molds

### -04. Structural forming

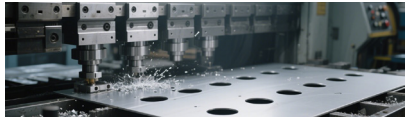
#### • Bending

Use CNC bending machine  
Bending radius ≥ 1×plate thickness



#### • Welding

For assembly-type perforated boards, use micro-beam plasma welding to reduce thermal deformation



### -05. Surface treatment



#### • Electrophoresis

Full wrap rust prevention, suitable for outdoor equipment perforated board scenarios

#### • Spray Coating

Matte texture, suitable for decorative panel scenarios

#### • Spray Painting

Scratch-resistant/anti-aging, suitable for mechanical equipment shell scenarios

### -06. Quality Inspection

#### • Hole position inspection

Use CCD imaging measurement  
(Full inspection or sampling inspection)



#### • Go/No-Go gauge testing

Hole diameter tolerance: Control within ±0.05mm



#### • Spray Painting

Laser flatness meter measurement:  
Deformation ≤ 0.3mm/m<sup>2</sup>





# PERFORATED BOARD PROCESSING -2



## Special Process Standards

### -01. Hole Design Rules

Parameter	Standard Value	Remark
Min Hole Diameter	$\geq \text{Thickness} \times 0.8$	Prevent Punch Breakage
Edge Distance	$\geq \text{Thickness} \times 1.5$	Avoid Edge Deformation
Hole Pitch	$\geq \text{Thickness} \times 2$	Ensure Strength


### -02. Material Guide

Material	Recommended Thickness	Feature
Aluminum 5052	1.0-3.0mm	Lightweight Preferred
Stainless Steel 304	0.8-2.5mm	Lightweight Preferred
Galvanized Steel SECC	1.2-3.0mm	Cost-effective

### -03. Functional Enhancement


- Rib Design

Add Ribs Between Holes  
(Depth  $\leq 0.3 \times$  Thickness)




- Flanging

Flanged Hole Edge  
(Height  $\leq 2\text{mm}$ )





- Combined Process

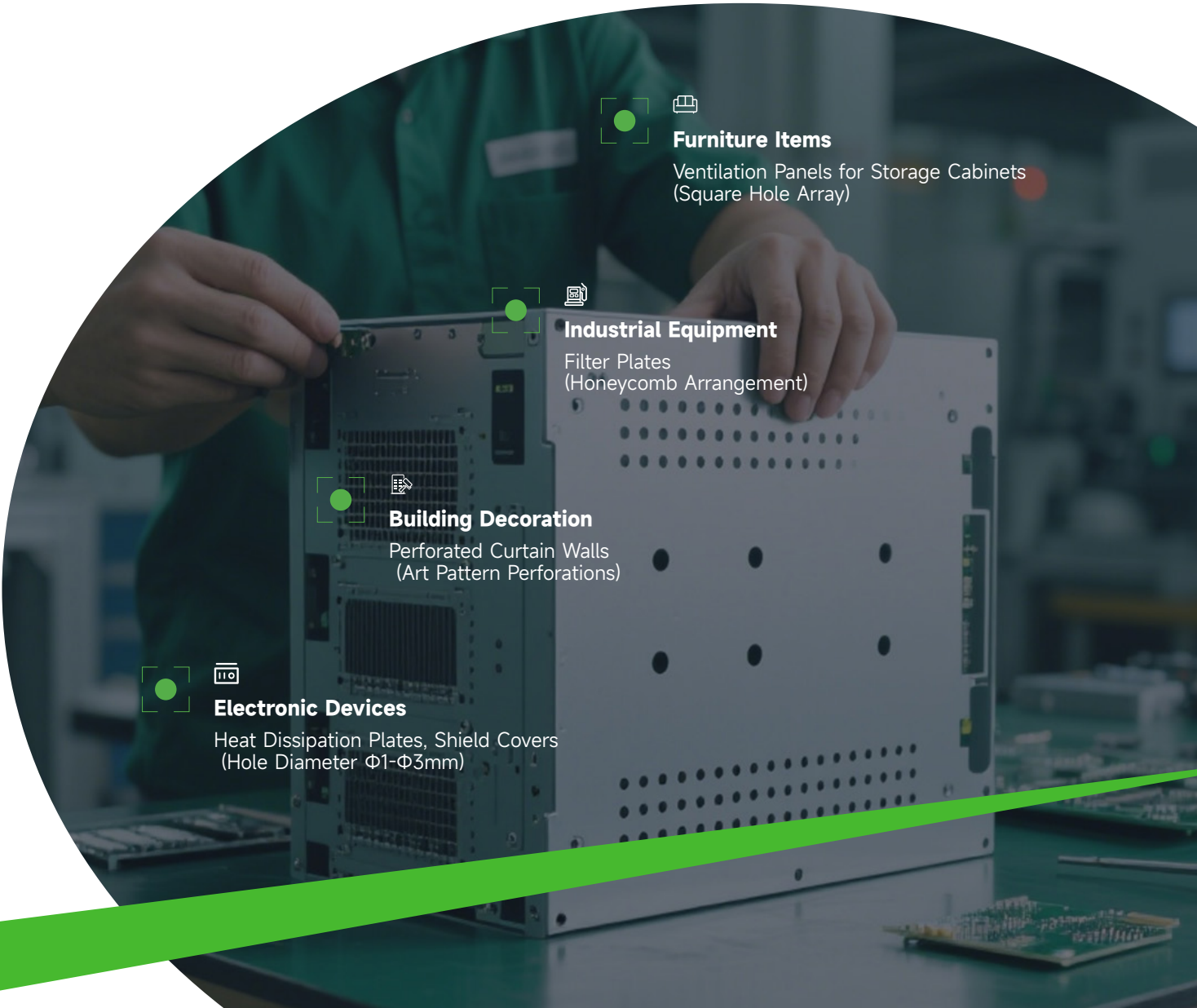
Punch + Tapping in One Step  
(M3-M8 Thread Holes)



## Quality Assurance System

 Inspection Equipment List	Coordinate Measuring Machine (Hole Position Full-Size Inspection)	Scratch-Resistant PE Film Wrap	 Packaging and Transport Standards
	Roughness Tester (Hole Wall Ra $\leq 3.2\mu\text{m}$ )	Corrugated Cardboard Spacer Protection	
	Salt Spray Test Chamber (According to ASTM B117 Standard)	Wooden Box Reinforcement (For Oversized Panels)	

## Application Scenarios





# SHEET METAL PROCESSING -1



## Process Flow

### -01. Design Review



Review



Analysis



Chat



Prep & Confirm

Detailed analysis of design drawings provided by the client and confirmation of processing plan

### -02. Material Selection & Cutting



- Select appropriate materials according to design requirements  
Cutting with laser cutting, stamping, or high-precision laser pipe cutting machines



- CNC Bending Forming  
CNC bending machine for accurate bending (sheet material)  
Fully automatic pipe bending machine for one-time bending (pipe material)  
Forming precision up to  $\pm 0.1\text{mm}$



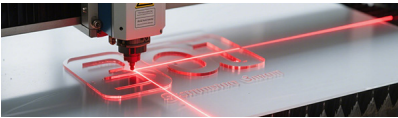
#### • Welding & Assembly

Welding Process	MIG, TIG, Laser Welding, Spot Welding
Applicable Materials	Galvanized sheet, cold plate, aluminum plate, stainless steel plate

#### • Surface Treatment



Treatment Methods	Electrostatic Spraying, Galvanizing, Anodizing, Electrophoretic Coating, etc.
Advantages	Improves product corrosion resistance and aesthetics



#### • Custom Labels

Silk screen printing or U-printing technology  
Can make LOGO, functional labels, and decorative patterns

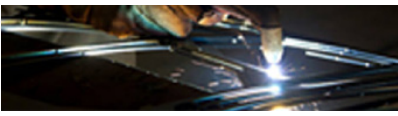
## Core Process Details

### -01. Cutting Process



#### • Laser Cutting

Applicable Scenarios	Complex Patterns, High Precision Requirements
Features	Precision $\pm 0.05\text{mm}$ , Smooth Surface



#### • Plasma Cutting

Applicable Scenarios	Workpieces with Thickness $< 40\text{mm}$
Features	Fast Cutting Speed, Smooth Surface



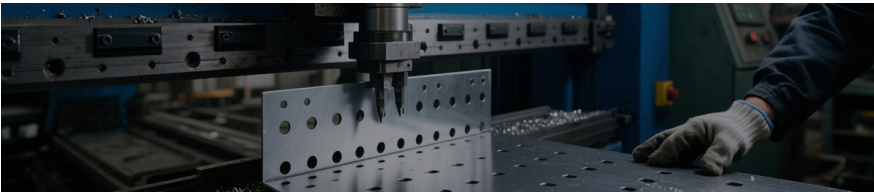
#### • Water jet cutting

Applicable Scenarios	Any Engraving, Mainstream Industrial Cutting
Features	Low Cost, Easy Operation

### -02. Sheet Metal Bending

#### • Equipment

CNC Bending Machine + Custom Molds



#### • Formable Shapes

U Shape, V Shape, Channel Shapes

#### • Precision

$\pm 0.1\text{ mm}$



# SHEET METAL PROCESSING -2

## -03. Sheet Metal Bending



- **Types**  
TIG/MIG Welding, Arc Welding,  
Robotic Automatic Welding
- **Inspection Standards**  
JB/T 4709 or AWS D1.1
- **Quality Requirements**  
Full Weld, No Void, Pore, or Crack

## -04. Other Processes



- **Punching**  
Supports 0.5-6mm Sheets  
High Hole Position Accuracy



- **Riveting**  
Pressure or Pull Riveting Process  
No Damage to Surface Coating



- **Stamping**  
High-Speed Molding  
Supports Complex Shapes



- **Polishing**  
Remove Weld Slag, Burrs  
Ensure Smooth Surface

## Material Selection Guide

### -01. Aluminum Alloy



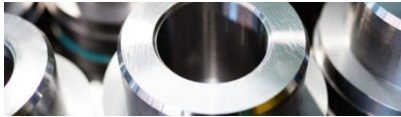
5052/6061/7075	
Features	Lightweight, Corrosion-Resistant, Easy to Process
Applications	Lightweight Equipment, Electronic Heat Dissipation Parts

### -02. Stainless Steel



304/316	
Features	Corrosion-Resistant, Aesthetic
Applications	High-End Sheet MetalProducts, Food and Medical Equipment

### -03. Carbon Steel



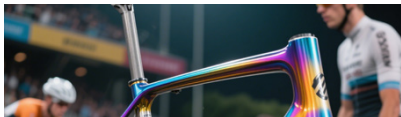
Q235/45#	
Features	High Cost-Performance, Good Strength
Applications	Household Appliance Enclosures, Outdoor Equipment

### -04. Galvanized Steel



G1/SECC	
Features	Strong Rust Resistance
Applications	Lightweight Equipment, Electronic Heat Dissipation Parts

### -05. Titanium Alloy



TC4	
Features	High Strength-to-Weight Ratio, Corrosion-Resistant
Applications	Aerospace Components, Medical Devices

### -06. Aluminum-Magnesium Alloy



5052/5083	
Features	Sea Water Corrosion-Resistant
Applications	Ships, Transport Equipment



# SHEET METAL PROCESSING -3



## Surface Treatment

### -01. Anodizing



Applicable to aluminum alloys, anodizing forms a hard oxide film on the aluminum surface through an electrochemical process, improving wear resistance, corrosion resistance, and electrical insulation. It not only enhances material durability but also allows for coloring of the aluminum surface, widely used in aerospace, automotive, and construction industries.

Applicable Materials	Aluminum Alloy
Effect Features	Colorable, Surface Hardening, Good Insulation

### -02. Electro



Applicable to metals like steel, aluminum, and zinc alloys. Electrophoretic coating uses an electric field to uniformly attach charged paint particles on the metal surface, forming a corrosion-resistant protective layer. This process is especially suitable for complex-shaped parts, providing excellent rust protection. It is widely used for automotive bodies, household appliance shells, and other metal surface protections.

Applicable Materials	Steel / Aluminum / Zinc Alloy
Effect Features	Excellent Rust Resistance,Suitable for Complex Shapes

### -03. Powder Coating



Applicable to metals like steel, aluminum, and zinc alloys. Electrophoretic coating uses an electric field to uniformly attach charged paint particles on the metal surface, forming a corrosion-resistant protective layer. This process is especially suitable for complex-shaped parts, providing excellent rust protection. It is widely used for automotive bodies, household appliance shells, and other metal surface protections.

Applicable Materials	Carbon Steel / StainlessSteel / Aluminum
Effect Features	Multiple Colors Available, Impact Resistant

### -04. Nickel Plating



Applicable to metals like steel, stainless steel, aluminum, and copper. Electroless nickel plating uses a chemical reaction to uniformly deposit a nickel layer, providing high corrosion resistance, wear resistance, and oxidation resistance. This process is suitable for complex-shaped parts and is widely used in automotive, electronics, and chemical equipment, significantly improving the lifespan and performance of components.

Applicable Materials	Steel / Stainless Steel / Aluminum / copper
Effect Features	Uniform Coating, Strong Corrosion Resistance

### -05. Sandblasting



Sandblasting uses high-speed abrasive (e.g., sand) to impact the metal surface, removing rust, dirt, and oxides,while creating a rough matte effect that enhances the adhesion of coatings. It not only improves material durability but also allows for coloring, widely used in aerospace, automotive, and construction industries.

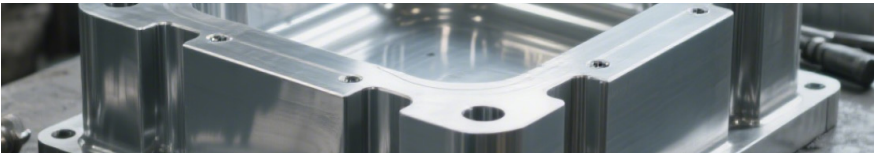
Applicable Materials	Various Metals
Effect Features	Matte Effect, Enhanced Adhesion



SHEET METAL PROCESSING -4



-06.  
Teflon Coating



Teflon coating is mainly used for various metals, providing low friction, high temperature resistance, and non-stick properties. Due to its excellent chemical resistance and thermal performance, this coating is commonly used in high temperature equipment, cooking utensils, mechanical parts, and chemical equipment, effectively extending product lifespan and improving performance.

Applicable Materials	Various Metals
Effect Features	Non-stick, High Temperature Resistance, Low Friction

Special Process Standards

-01.  
Machining Accuracy Standards

Cutting Accuracy	Bending Angle Tolerance	Perpendicularity Deviation	Plate Flatness
± 0.2mm (Standard) / ±0.1mm (High Precision)	±1°	≤ 0.5mm / 100mm	Deformation ≤ 1.5mm / m

-02.  
Quality Inspection

Dimension Inspection	Use specialized measuring tools to inspect the first piece and random samples
Welding Quality	No pores, cracks, or edge defects
Surface Treatment	Check color consistency, no scratches or missed coatings
Salt Spray Test	Perform according to ASTM B117 standard (48h/96h/240h)
Appearance Requirements	Surface flat, no scratches, sharp corners or safety hazards

-03.  
Design Specifications

Drawings should conform to GB/T 14689 or ISO standards	Hole distance from edge should be ≥ plate thickness × 2
External corners recommended to be R0.5mm to avoid stress concentration	Riveting spacing ≥ plate thickness × 3



# PERFORATED BOARD PROCESSING

## Case demonstration



### Supported sheet types

Stainless steel, aluminum plate, cold-rolled steel plate, galvanized plate, copper plate, etc.

Thickness range: 0.5mm~3.0mm



### Supported sheet types

Powder coating, electroplating, anodizing, brushed polishing.

Meets different decorative and anti-corrosion needs.



### Punching accuracy and process

Equipment Types: CNC punching machine, high-speed punching line

Processing Accuracy: Hole position error  $\leq \pm 0.2\text{mm}$

Supported Hole Types: Round, oval, square, star, and custom patterns

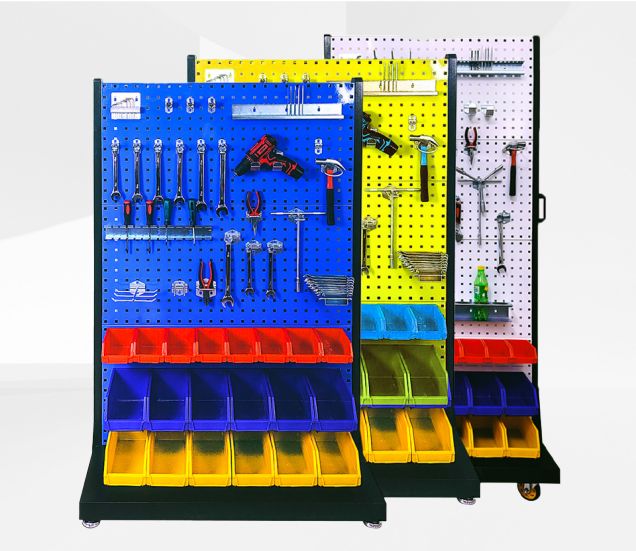
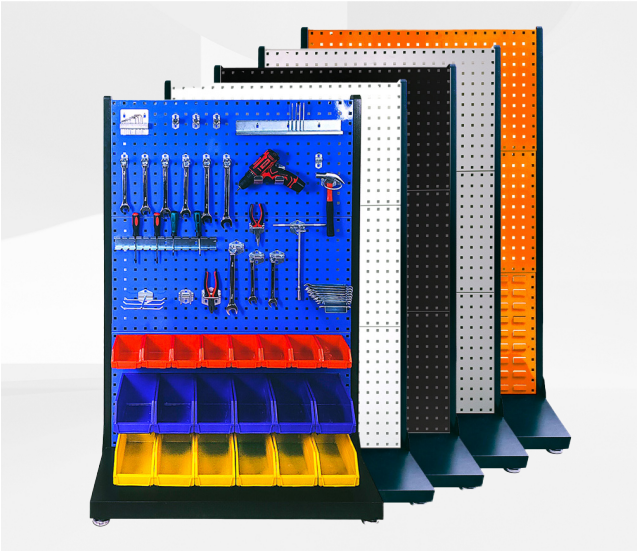
Arrangements: Straight, staggered, diagonal, grid

Supports punching based on customer drawings or sample design.





Tool Rack



Frame Color	Semi-gloss black
Material Dimensions (Length * Width * Height in mm)	Single-sided 3-layer fixed model:960*430*1450mm
	Single-sided 4-layer fixed model:960*430*1950mm
	Double-sided 3-layer fixed type: 960*610*1550mm
	Double-sided 4-layer fixed model: 960*610*2050mm
Square hole plate Baidu	Plate thickness 1.2/1.5 and 1.7mm (including spray coating)
Type	Square hole plate/louver plate

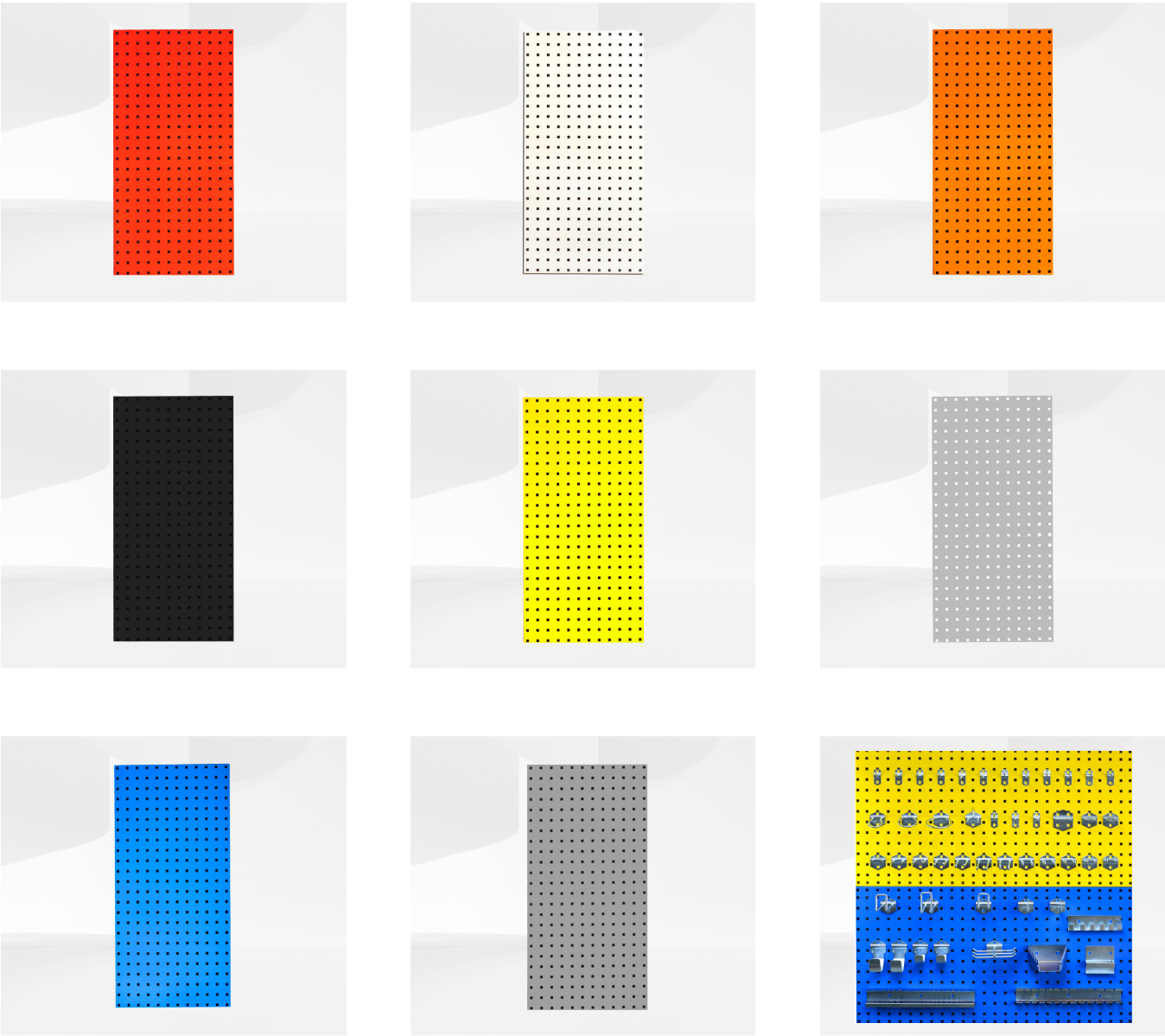
● Parts Box and Matching Hooks



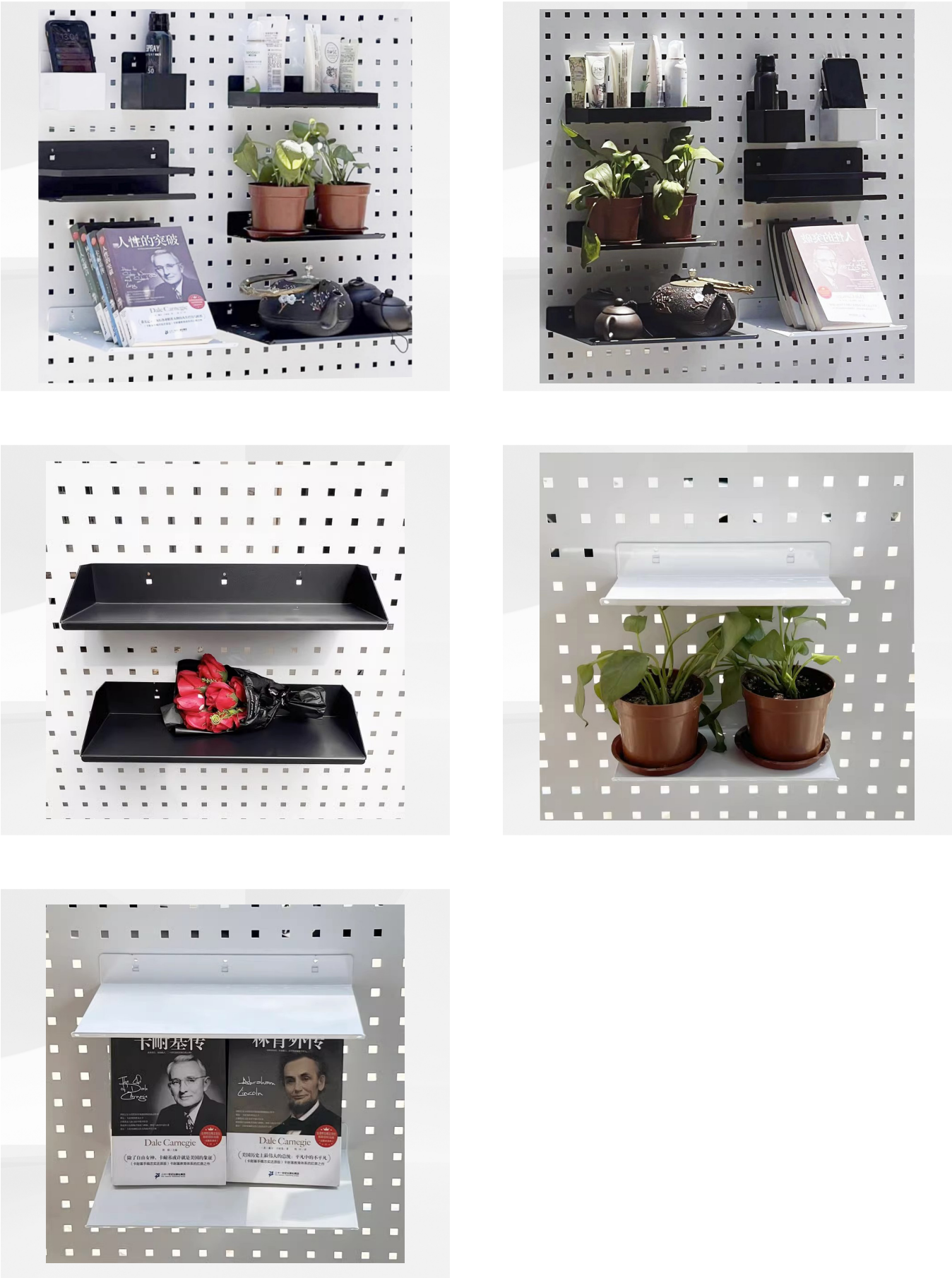
Material	Hooks: Steel with galvanized surface
	Box: Plastic
Dimensions	270 x 140 x 125 mm 220 x 140 x 125 mm 190 x 105 x 75 mm 140 x 105 x 75 mm
Applications	Screws, parts, etc.



Tool hanging board



Pegboard Home Accessories



Color	Porcelain White Matte Black Light Yellow Tangerine Grayish White Blue
20mm bend design Can be hung horizontally or vertically	
National Standard Board + Painted Surface ≈ 1.0mm	



Tool Cart

● Tool Cart Type A



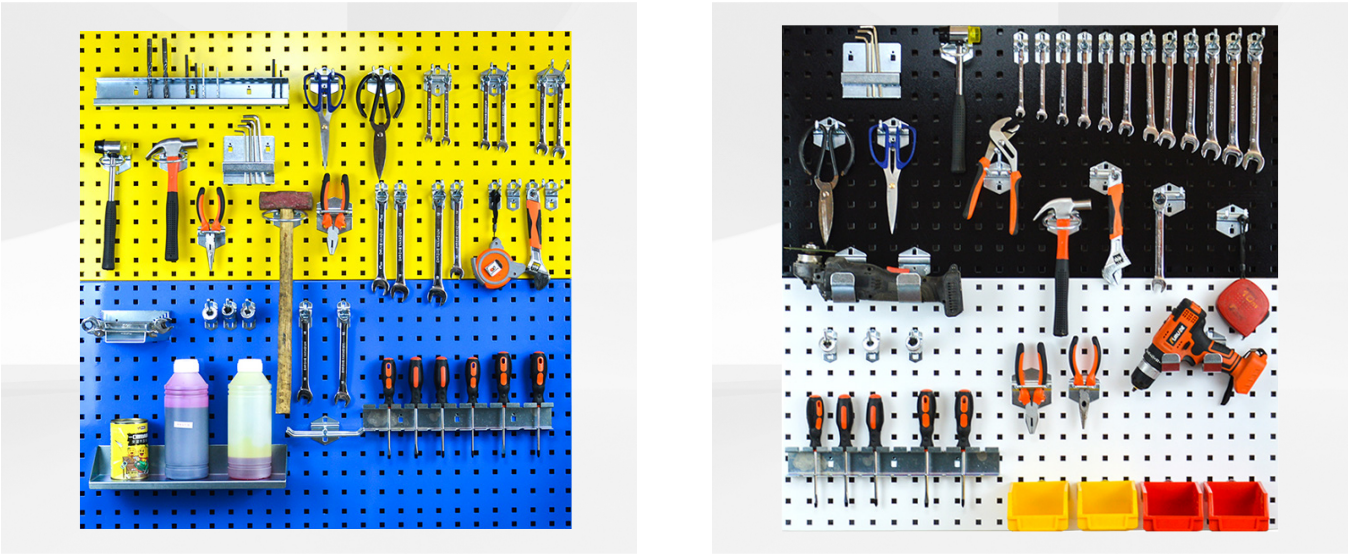
Product Name	Three-layer tool cart	Product weight	9kg
Product size	770*650*400	Overall load-bearing	300kg
Bare thickness of laminate	1.0mm	Product Color	Blue/Red/Black
Caster size	2 inches (2 directional + 2 universal with brakes)		

● Tool Cart Type B



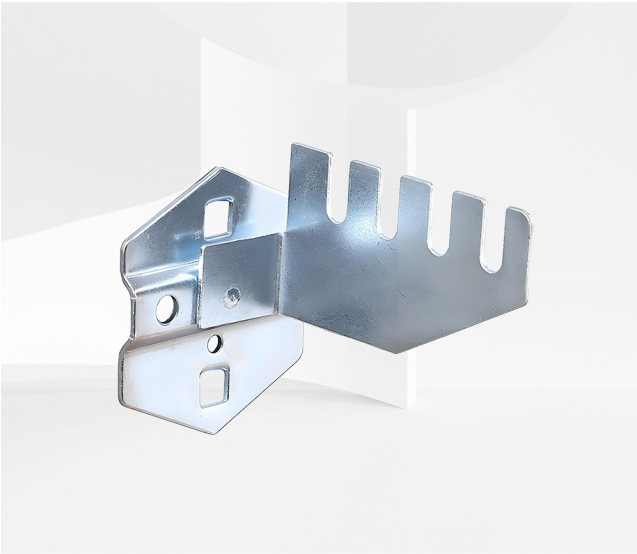
Size reference	800-470-680mm
Number of cart layers	Second floor/third floor optional
Load bearing capacity per layer	200kg
Material technology	Galvanized steel plate + electrostatic spraying

Hook up



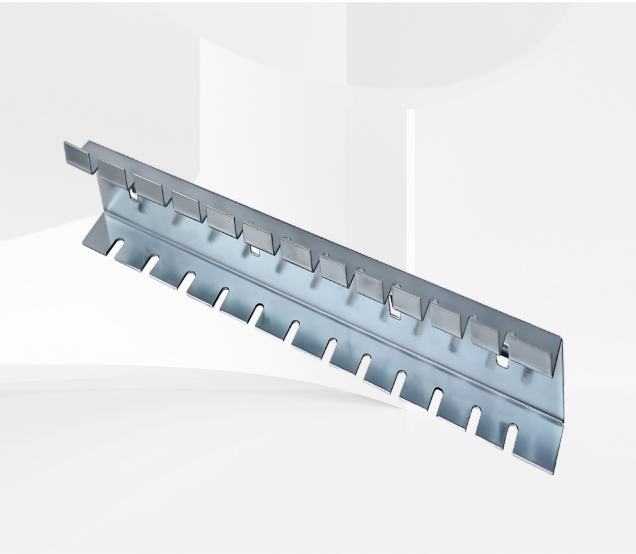
Square Hole Set B9		
Product Name	Specifications(mm)	Number
Single Slant Hook	25	3
	50	3
	75	3
	100	3
	150	2
	25	2
	50	2
	75	1
	23*35	1
	23*55	1
Saw Hook		2
Angle Grinder Rack		1
Bar-type Bracket	60	2
Six-bar Hook		1
Sleeve Hook		2
Round Hook	40	1
	80	1
Wrench Rack		1
Drill Bit Rack		1
Screwdriver Rack		1
Bottle Hook		1
Small Shelf Bracket		1
Suitable for two pieces of 1200*450		
One set of hooks includes 36 pieces.		

● Saw hook



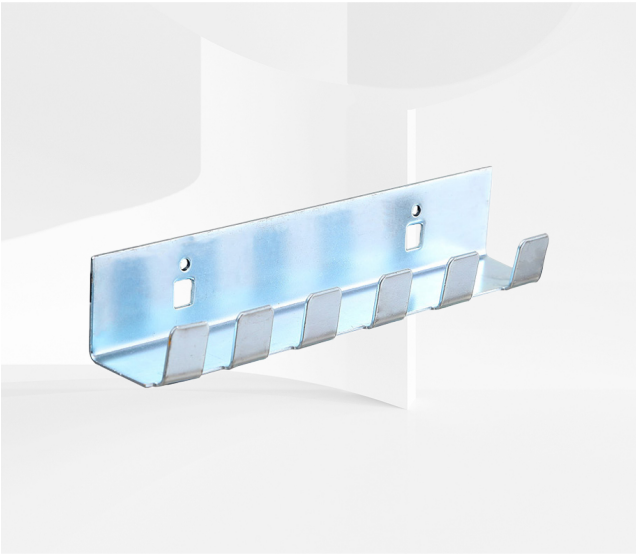
Material	Steel with galvanized surface
Specification	75mm
Application	For use in pairs with steel saws, etc.

● Screwdriver holder



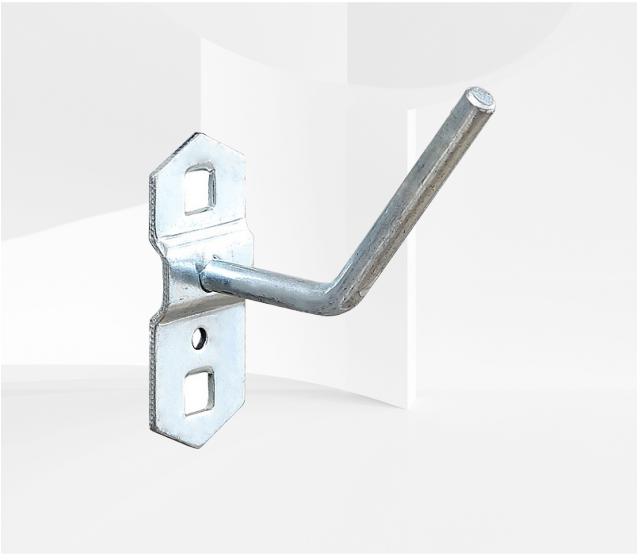
Material	galvanized steel
Bottom hanging piece thickness	1.4mm
Only supports square hole hanging panels	

● Sleeve hanging plate



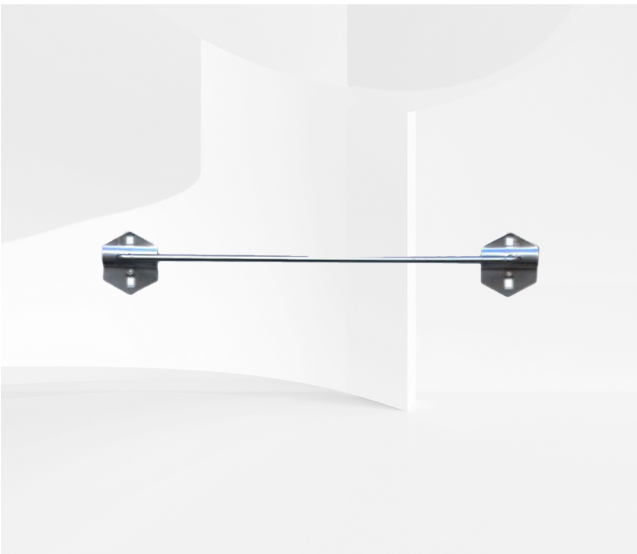
Material	galvanized steel
Plate thickness	1.4mm
Only supports hanging square hole plates	

● Sleeve hook



Material	galvanized steel
Bottom plate thickness	1.4mm
Hook line diameter	0.6mm

● Saw hook



Material	Steel with galvanized surface
Base plate thickness	1.4mm
Compatible only with square-hole mounting plates	

● Hexagon wrench holder



Specification	galvanized steel
Bottom hanging piece thickness	1.4mm
Only supports square hole hanging panels	

● Round bottle rack



Material	galvanized steel
Plate thickness	1.4mm
Only supports square hole hanging panels	

● Saw hook



Specification	150mm
Hook diameter	6mm
Base plate thickness	1.4mm (Supports square-hole mounting plates only)
Applications	Tools with hanging holes, such as wrenches, coils, tape, measuring tapes, etc.



● Drill bit rack



Material	galvanized steel
Bottom hanging piece thickness	1.4mm
Only supports square hole hanging panels	

● Pen holder



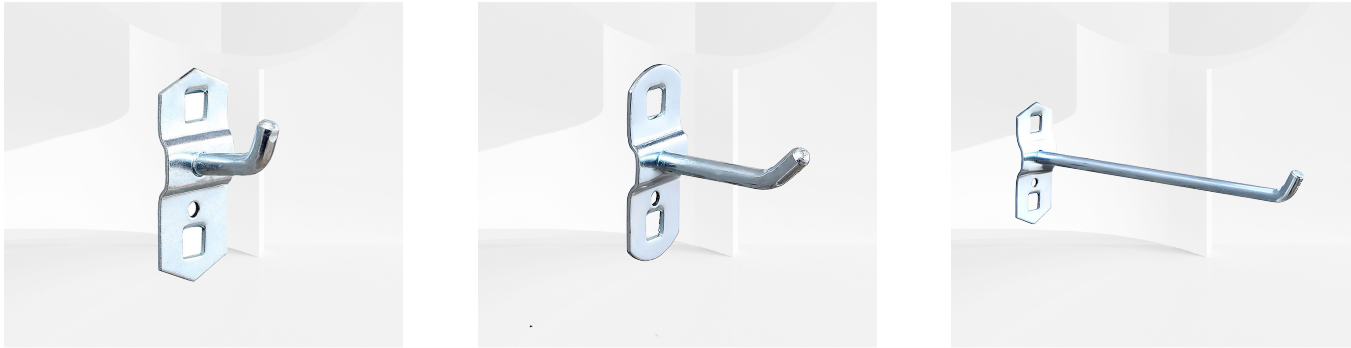
Material	galvanized steel
Base plate thickness	1.4mm
Only supports square hole hanging panels	

● Round hook



Material	galvanized steel
Bottom hanging piece thickness	1.5mm
Hook line diameter	6mm

● Single straight hook



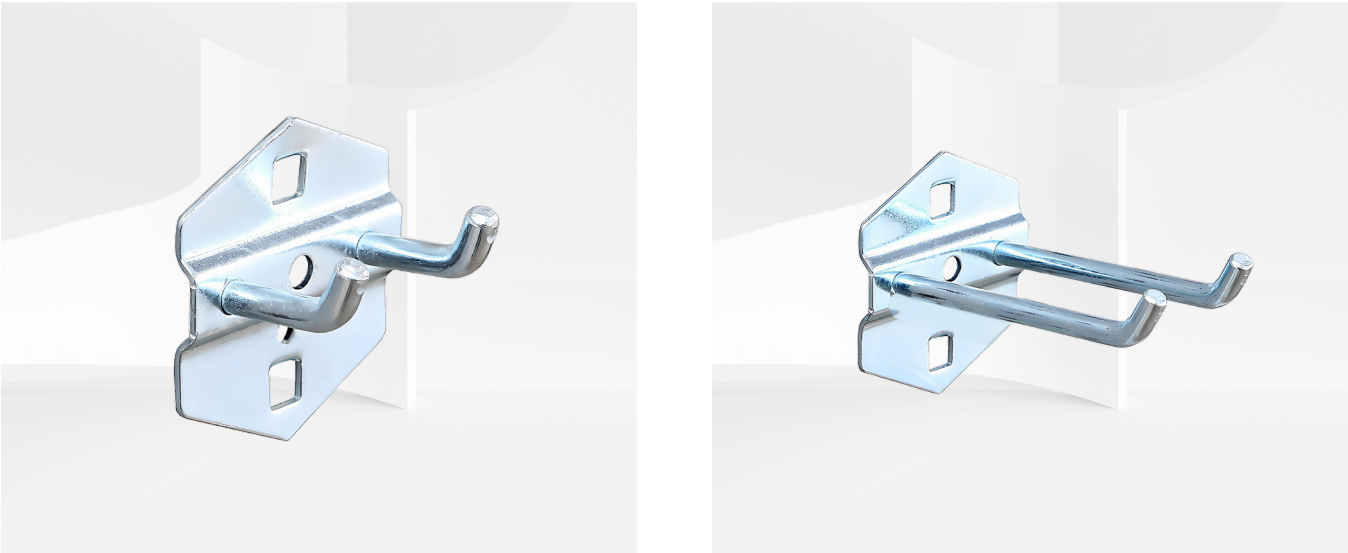
Material	galvanized steel
Bottom hanging piece thickness	1.5mm
Hook line diameter	6mm

● Single straight hook



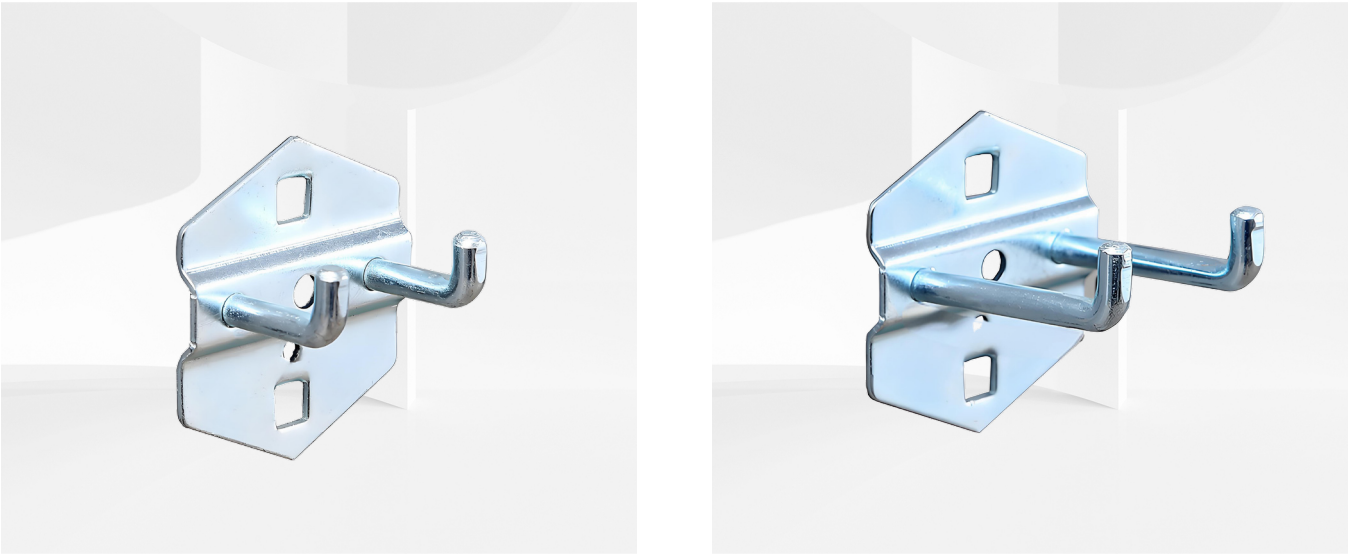
Material	Steel with galvanized surface
Sizes	25/50/75/100/200mm
Hook diameter	6mm
Applications	Tools with hanging holes such as wrenches, sockets, coils, etc.

● Double oblique hook



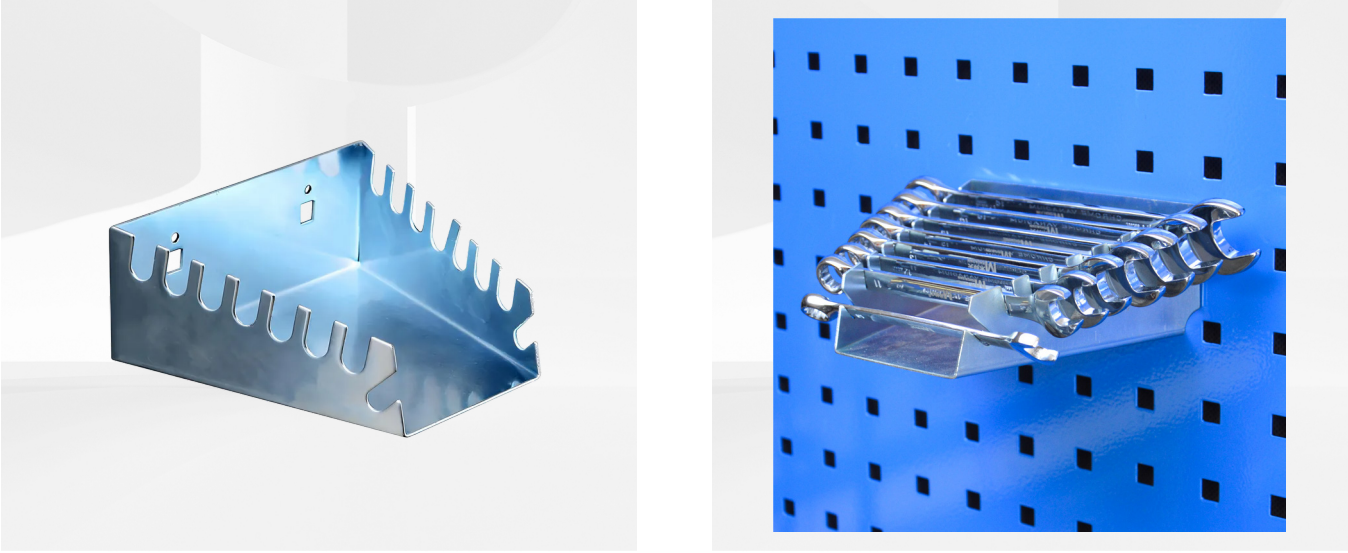
Material	galvanized steel
Bottom hanging piece thickness	1.5mm
Hook wire diameter	6mm

● Double straight hook



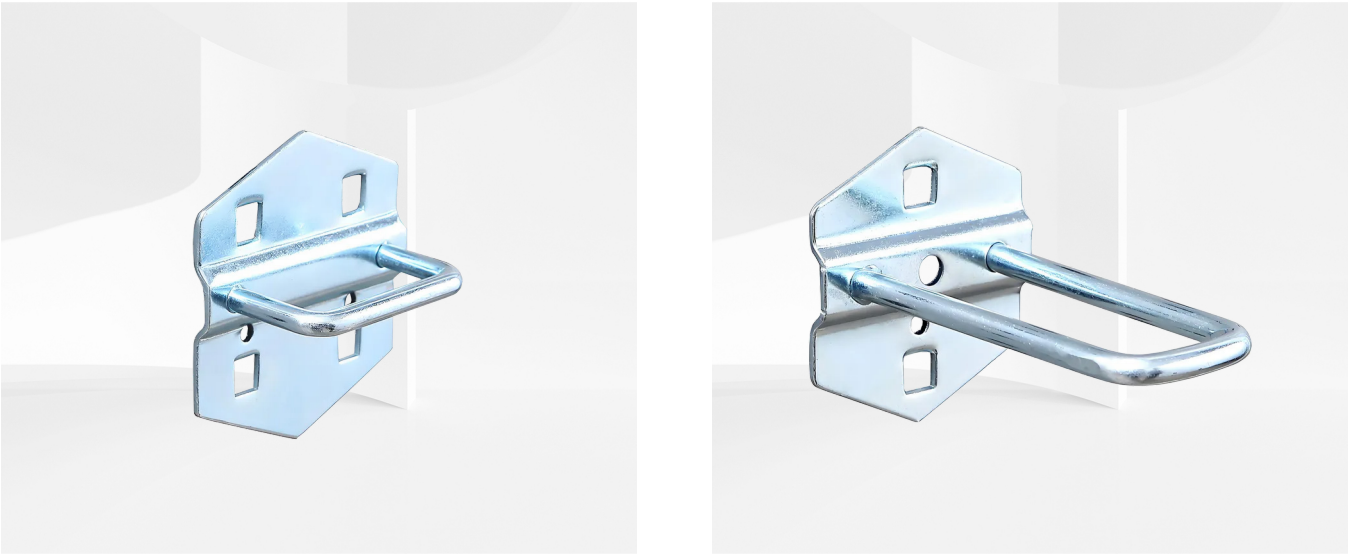
Material	galvanized steel
Bottom hanging piece thickness	1.5mm
Hook wire diameter	6mm

● Wrench rack



Material	Steel with Galvanized Finish
Specification	140mm
Applications	Wrenches, etc.

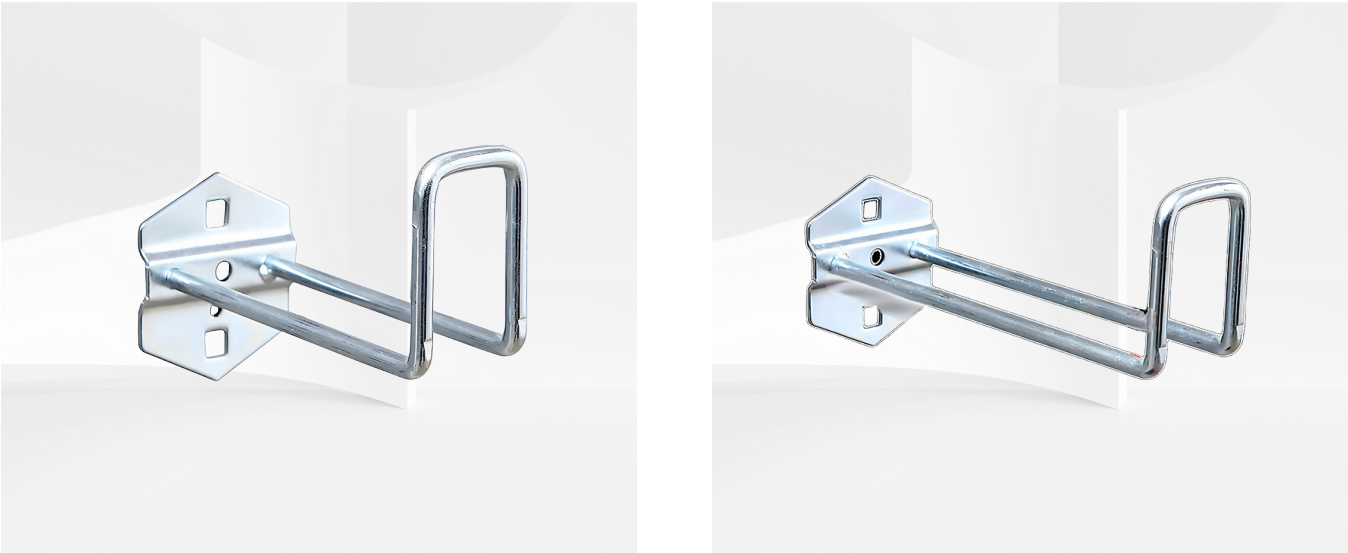
● U-shaped hook



Material	Steel with galvanized surface
Specifications	23*35/23*55/70*35mm
Hook diameter	6mm
Applications	Pliers, screwdrivers, hammers, and other tools



● Lead Frame



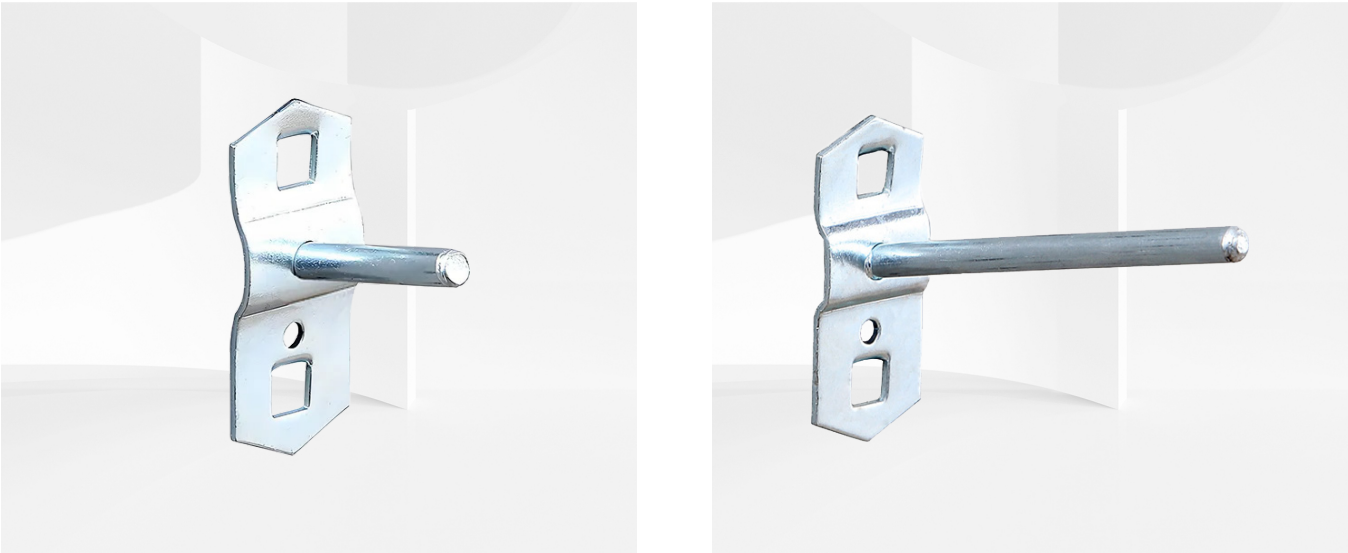
Material	galvanized steel
Bottom hanging piece thickness	100/150/200mm
Hook line diameter	6mm
Applications	Coils, Tapes

● Rod bracket



Material	Steel with galvanized surface
Sizes	60/100mm
Applications	Steel pipes, bearings, lever drills, angle grinders, pry bars, etc. (used in pairs)

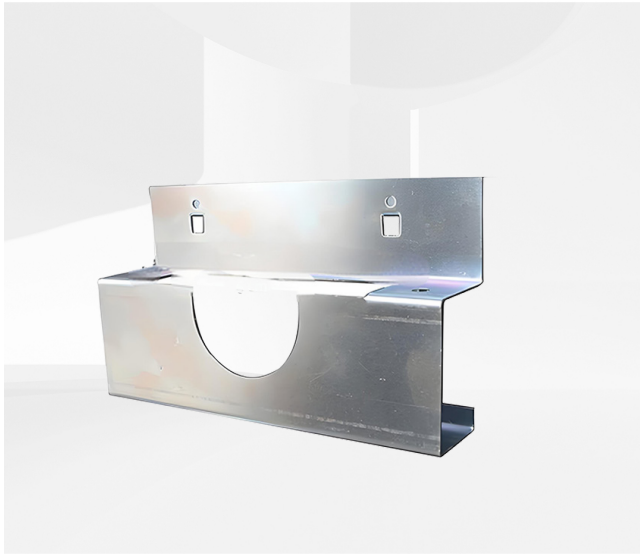
● Oblique hook



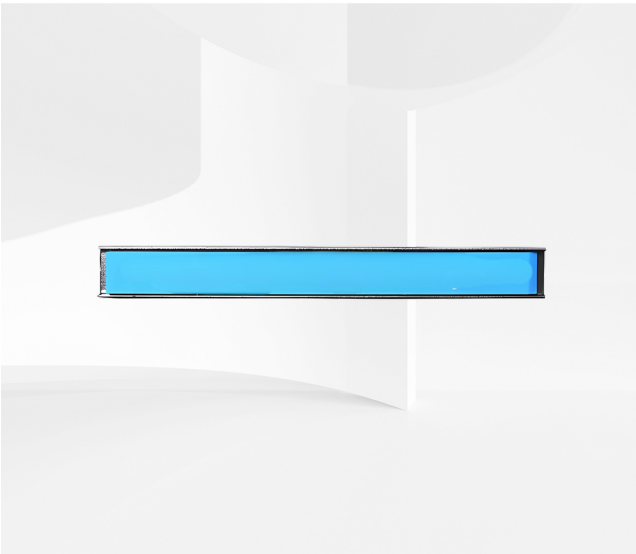
● Hook safety pin



● Angle grinder stand



● Strong magnetic strip



● Small shelf support



Parts Box



External Dimensions (Length * Width * Height) (mm)	Internal Dimensions (Length * Width * Height) (mm)	Deadweight	Color
270*140*125	140*105*75	0.25	blue, red and yellow
220*140*125	203*118*117	0.21	blue, red and yellow
190*105*75	173*89*68	0.11	blue, red and yellow
140*105*75	123*89*68	0.09	blue, red and yellow





## PERFORATED PANEL

### Case demonstration



#### Sheet material processing range

Supports stainless steel, cold-rolled steel, aluminum alloy, and other metals

Thickness range: 0.5mm~12mm  
(depending on process)



#### Laser cutting capabilities

Max cutting size: 3000mmx1500mm

Cutting accuracy  $\leq \pm 0.15\text{mm}$

Supports complex contours and special-shaped cutting



#### Bending/Forming capabilities

CNC press brake, angle control accuracy  $\pm 0.5^\circ$

Supports U-shaped, Z-shaped, arc, and other forming structures



#### Welding and assembly processes

Welding methods: MIG, TIG, spot welding, stud welding

Supports complete assembly, electrical box assembly, etc.

Surface grinding, riveting, edge sealing



#### Surface treatment services

Electrostatic spraying (single/multi-color), Galvanizing, hot-dip galvanizing, phosphating, sandblasting, etc.

Supports anti-corrosion, fingerprint-proof, dustproof, and other functional coatings

Medical Series

Self-service printing and payment machine



BasicIn formation	Product Name	Metal Enclosure for Self-Service Printing and Payment Kiosks
	Processing Technology	Laser Cutting -> CNC Bending -> Welding -> Polishing -> Spraying / silk Screening (supports module pre-installation)
Technical Specifications	Dimensions	Supports customized structural dimensions and opening positions (complete 3D/2D design drawings required)
	Material Selection	Cold-Rolled Steel Plate / Galvanized Plate /Aluminum Alloy (with material inspection report attached)
	Surface Treatment	Electrostatic Spraying Anti-Fingerprint Coating Painting (optional wear-resistant and anti-UV coatings)
Customization Services	Color support	Regular colors: gray, white, silver, black / Supports customer-specified colors (color card customization available)
	OEM In-Depth Customization	Can assist in completing overall machine structural design + mold customization + functional component adaptation (supports IPX waterproof rating)
	LOGO Technology	Screen Printing/Laser Engraving / Metal Label Sticking (supports serial number customization)
Supply Capacity	Packaging Method	Pearl Cotton + Custom Carton /Anti-Collision Wooden Case Packaging (supports label printing)
	Minimum Order Quantity (MOQ)	1 unit (supports sampling and prototype testing)
	Delivery Cycle	Small batches: 7-10 days / Bulk orders: 100 units/week (with stable production expansion capacity)
Application Adaptation	Core Application Scenarios	Banks/Government Service Halls / Hospital Self-Service Terminals / Supermarkets/Office Building Payment and Printing Integrated Kiosks
	Target Customer Industries	Self-Service Terminal Equipment Manufacturers / Smart Government Construction Units / Smart Medical/Retail Solution Integrators

Medical beauty shell



BasicIn formation	Product Name	Metal Enclosure for Aesthetic Medical Equipment
	Processing Technology	Laser Cutting → CNC Bending- Welding- Polishing- Fine Spraying (supports detailed decorative processing)
Technical Specifications	Dimensions	Supports customization based on provided drawings/samples (3D/2D drawings required)
	Material Selection	Stainless Steel / Cold-Rolled Sheet / Aluminum Alloy (complies with medical equipment grade standards, material reports available)
	Surface Treatment	High-Gloss Painting / uv Baking Paint / Metal Brushing / Ceramic Coating (supports antibacterial and anti-corrosion coatings)
Customization Services	Color support	Matte/Glossy/Metallic texture color customization (supports Pantone color card)
	OEM In-Depth Customization	Provides structural optimization, mold development, and appearance design support (complies with medical equipment appearance safety standards)
	LOGo Technology	Silk Screening/Laser Engraving/Metal Nameplate Adhesion (precision ± 0.2mm)
Supply Capacity	Packaging Method	Scratch-Resistant Foam + Pearl Cotton + Custom Carton / Reinforced Wooden Case (supports label customization)
	Minimum Order Quantity (MOQ)	1 piece(supports small-batch sampling)
	Delivery Cycle	Regular orders: 7-12 days / Bulk orders: 100+ units per week (adjusts based on structural complexity)
Application Adaptation	Core Application Scenarios	Photorejuvenation Devices / Laser Beauty Instruments / High-Frequency Radiofrequency Devices / Ultrasound Knife and other aesthetic medical equipment main unit enclosures
	Target Customer Industries	Aesthetic Medical Instrument Manufacturers / Medical Beauty Equipment Brands / Beauty Salon Custom Equipment Suppliers



Communication equipment series

● Server Cabinets



Material	Multifunctional Control Cabinet Enclosures
Surface Treatment	Cold-rolled steel plate, stainless steel, aluminum alloy, etc.
Processing	Electrostatic spraying, electrophoresis, electrogalvanizing, sandblasting, brushing, etc.
Function	Laser cutting → CNC bending → Welding and grinding → Surface treatment → Assembly and inspection
Features	Integrates multiple functional modules including power supply, electrical control, and data processing. Suitable for smart control systems, automated equipment, communication base stations, and similar applications.
Application Industries	Sturdy structure, flexible layout, high protection rating. Supports custom cutouts and modular design. Power systems, telecommunications industry, industrial automation, building control, new energy equipment, etc.

● Power Box



Definition	A power box is a metal or plastic structure used to encapsulate power supply components, playing roles in protection, support, and heat dissipation.
Application Fields	Widely used in equipment requiring stable power supply such as communications, electric power, industrial automation, and smart home appliances.
Functional Roles	Provides safe and reliable power input/output connections, ensures stable operation of electronic components, and simultaneously has dust-proof, heat-dissipating, and electromagnetic shielding functions.
Process Flow	Stainless Steel / Cold-Rolled Sheet / Aluminum Alloy (complies with medical equipment grade standards, material reports available)
Surface Treatment	Laser cutting - CNC bending - Welding - Polishing - Surface treatment - Assembly inspection
Precision Range	Various processing techniques available such as powder coating, electrophoresis, painting, anodizing, silk-screen printing, and wire drawing.
Common Materials	Laser cutting precision $\pm 0.1\text{mm}$ , sheet metal thickness 0.8-3.0mm, capable of customizing special structures and hole positions.
Material Characteristics	Cold-rolled steel sheet (SPCC), galvanized sheet, stainless steel, aluminum sheet, aluminum profile, etc.
Advantages	High strength, good heat dissipation performance, corrosion resistance, strong protection, adaptable to different indoor and outdoor application environments.
Customization Capability	Supports processing according to drawings and samples, supports mold opening customization, and provides complete assembly solutions.
Application Value	Improves the integration and safety of the power supply system, extends service life, and optimizes usage space.

● Fiber optic adjuster



Processing Method	CNC precision machining → Laser cutting/drilling → Assembly- Debugging and calibration → Surface treatment
Overall Dimensions	Customizable (conventional compact structure, compatible with fiber optic connectors)
Material Selection	Aluminum alloy / Stainless steel / Copper alloy / High-strength plastic (selected based on functional modules)
Surface Treatment	Anodizing/Sandblasting/Polishing/Painting (corrosion-resistant, anti-interference)
Color Support	Mainly black, silver, dark gray / Customizable panel color matching and scale marking available
OEM In-depth Customization	Supports structural modular design, fiber optic intertace adjustment structure, scale positioning, and locking mechanism development
LOGO Craftsmanship	Laser engraving / Nameplate pasting / Silk-screen printing (supports brand logo and functional area labeling)
Packaging Method	Blister box / Shockproof foam / Anti-static bag Equipment-specific hard case (compliant with export standards)
Minimum Order Quantity (MOQ)	10 units (supports sample customization and debugging)
Delivery Cycle	3-7 days for sampling / 500-2000 units per month for mass production (supporting matching testing services)
Core Application Scenarios	Fiber optic adjustment / Alignment testing / Optical coupling efficiency calibration / Precision positioning devices
Adapted CustomerIndustries	Optical communication equipment suppliers / Precision instrument manufacturers / Data center operators/ University research laboratories

● Fiber optic housing



Processing Method	CNC precision machining -> laser cutting/driling - assembly-> debugging and calibration - surface treatment
Production Address	Cangzhou, China (Hebei Province)
Shipping Port	Tianjin Port/Supporting DHL, UPS, FedEx global express
Overall Dimensions	Customizable (conventional compact structure, compatible with fiber optic connectors)
Material Selection	Aluminum alloy / Stainless steel / Copper alloy / High-strength plastic (selected according to functional modules'
Surface Treatment	Anodizing/Sandblasting/Polishing/Painting (corrosion-resistant, anti-interference)
Color Options	Mainly black, silver, dark gray/Customizable panel colors and scale markings
OEM In-depth Customization	Supporting modular structure design, fiber optic interface adjustment structure, scale positioning, and locking mechanism development
LOGO Craftsmanship	Laser engraving / Nameplate pasting / Silk screening (supporting brand logos and functional area labeling)
Packaging Method	Blister box / Shockproof foam / Anti-static bag / Equipment-specific hard box (meeting export standards)
Minimum Order Quantity (MOQ)	10 units (supporting sample customization and debugging)
Delivery Cycle	3-7 days for sampling / 500-2000 units per month for mass production (supporting supporting testing services
Core Application Scenarios	Fiber optic adjustment / Alignment testing /Optical coupling efficiency calibration / Precision positioning device
Adaptable CustomerIndustries	Optical communication equipment manufacturers / Precision instrument manufacturers / Data center operators / University research laboratories



● Electrical box



Common Materials	Cold-rolled steel sheet (SPCC), stainless steel (201/304), aluminum alloy, ABS engineering plastic
Surface Treatment	Powder coating, baking paint, electrophoresis, silk screening, anodizing, etc., selected according to appearance and protection requirements
Thickness Range	Steel sheet thickness: 0.8mm, plastic shell thickness: 2mm (can be customized according to customer structure)
Appearance Form	The shell is a modular splicing structure, including sound amplification holes, installation positions, wire slots, and a detachable back cover design
Installation Method	Can be embedded in the printer host shell structure, or fixed by screws, supporting customized magnetic suction, buckle and other methods
Heat Dissipation Method	Reserved natural heat dissipation holes, and micro fans can be added for auxiliary heat dissipation if necessary
Equipment Used	Commercial integrated printers, government self-service terminals, bank queuing systems, smart government office terminals, etc.
Functional Role	Protect the speaker components, isolate electromagnetic interference, enhance sound conduction performance, and improve the overall integration and aesthetics of the machine
Structural Advantages	High forming accuracy, convenient assembly, complete reserved interfaces, suitable for various host models
Appearance Advantages	Flat surface, strong texture, can be sprayed with various colors, supporting customer Logo silk screening and laser engraving
Service Advantages	Provide custom services according to drawings and samples, rapid prototyping, and stable mass production delivery

● Multi-function control box



Material	Multi-function control box housing
Surface treatment	Cold rolled steel plate, stainless steel, aluminum alloy, etcElectrostatic spraying, electrophoresis, electrogalvanizing, sandblasting, wire drawing, etc.
Craftsmanship	Laser cutting → CNC bending- welding and polishing -> surface treatment-> assembly and inspection
Function	Integrates multiple functional modules such as power supply, electronic control, and data, making it suitable for scenarios such as intelligent control systems, automation equipment, and communication base stations.
Features	Stable structure, flexible layout, high protection level, support for customized openings and modular design
Application Industry	Power systems, communications industry, industrial automation, building control, new energy equipment, etc.

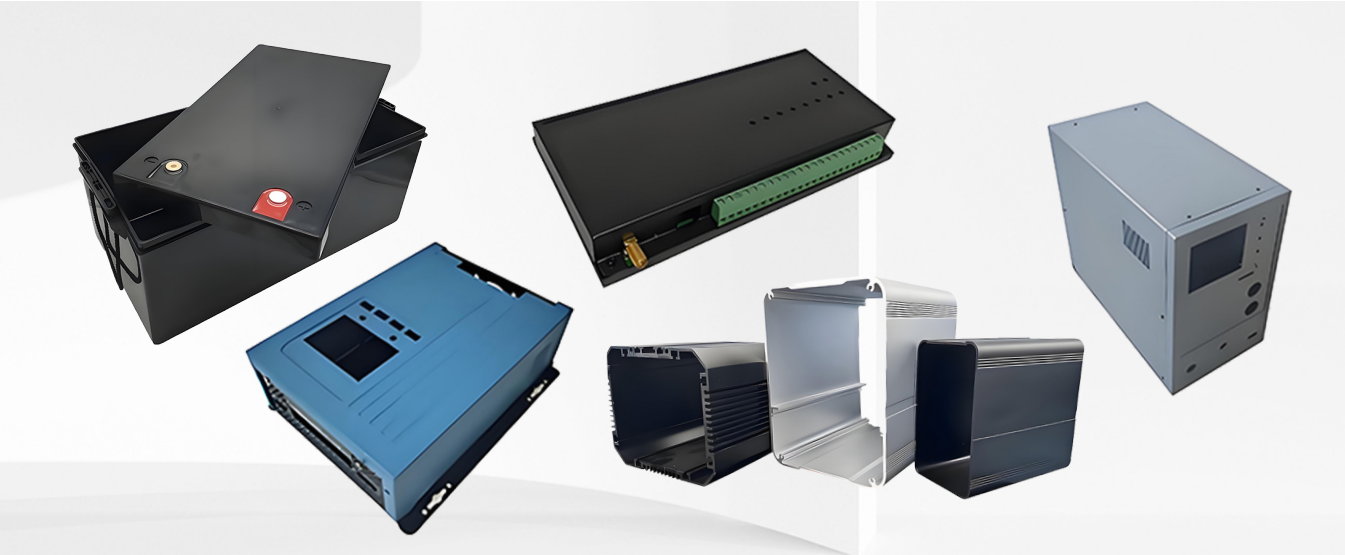
New Energy Series

● Charging pile shell



Processing technology	Laser cutting → CNC bending → riveting/welding → polishing → spraying/oxidation (sealing solutions can be customized)
Production address	Cangzhou, China (Hebei Province)
Shipping Port	Tianjin Port (supporting national logistics and overseas exports)
Dimensions	Support customization of different module specifications (customers need to provide structural drawings or cell layout drawings)
Material selection	Aluminum alloy (commonly used 5052, 6061) / stainless steel (supports lightweight and corrosion-resistant design)
Surface treatment	Anodizing / spraying / brushing / conductive oxidation (balancing strength and insulation)
Color support	Metallic color / Gray silver / Black / Other colors support Pantone customization
OEM deep customization	Support IP65 protection customization, heat dissipation structure design, and battery cell/module adaptation solution development
LOGO craft	Silkscreen printing / laser engraving / nameplate label (supports model serial number)
Packaging	Anti-static bag + customized pearl cotton inner tray + carton / wooden box (to ensure transportation safety)
Minimum Order Quantity (MOQ)	Minimum order quantity: 1 piece (supports sample development and verification)
Delivery cycle	Small batch proofing 7-10 days / Mass production 7-15 days according to structural complexity
Core application scenarios	Energy storage systems / electric two-wheelers / power tools / industrial power boxes / communication base station backup battery modules
Adapt to customerindustry	Lithium battery manufacturers / energy storage system integrators / electric vehicle manufacturers / energy and communications industry customers

● Energy storage shell



Processing technology	Laser cutting → CNC bending → welding → polishing → surface spraying → assembly (supporting customization of the entire set of structural parts)
Production address	Cangzhou, China (Hebei Province)
Shipping Port	Tianjin Port / Qingdao Port (supporting global exports, including sea and air transportation)
Dimensions	Support customization of customer drawings and provide modular solutions (energy storage cell size and layout must be provided)
Material selection	Cold-rolled steel / stainless steel / aluminum-magnesium alloy (supports high-strength lightweight design, with material report)
Surface treatment	Powder coating / electrostatic spraying / oxidation treatment / painting (supports weather-resistant and corrosion-resistant coatings)
Color support	Full range of Pantone color cards available / Customizable coating thickness and glossiness supported
OEM deep customization	Supports structural design, thermal management module integration, and explosion-proof level customization (compliant with energy storage cabinet IP65 and above)
LOGO craft	Screen printing / laser engraving / nameplate affixation (high temperature durable logo)
Packaging	High-density foam + carton / wooden frame packaging (suitable for large equipment transportation, including positioning protection)
Minimum Order Quantity (MOQ)	Minimum order quantity: 1 set (sample testing is possible)
Delivery cycle	Samples: 7-10 days / Bulk orders: 100 sets/week (production can be expanded based on project progress)
Core application scenarios	Home/Industrial/Grid-Level Energy Storage Systems / Solar Storage and Charging Cabinets / Outdoor Containerized Energy Storage Cabinets
Adapt to customer industry	Energy storage system integrator / New energy power station operator / Battery module manufacturer / Photovoltaic + energy storage solution provider



● Lithium battery casing



Processing technology	Laser cutting → CNC bending → riveting/welding → polishing → spraying/oxidation (sealing solutions can be customized)
Production address	Cangzhou, China (Hebei Province)
Shipping Port	Tianjin Port (supporting national logistics and overseas exports)
Dimensions	Support customization of different module specifications (customers need to provide structural drawings or cell layout drawings)
Material selection	Aluminum alloy (commonly used 5052, 6061) / stainless steel (supports lightweight and corrosion-resistant design)
Surface treatment	Anodizing / spraying / brushing / conductive oxidation (balancing strength and insulation)
Color support	Metallic color / Gray silver / Black / Other colors support Pantone customization
OEM deep customization	Support IP65 protection customization, heat dissipation structure design, and battery cell/module adaptation solution development
LOGO craft	Silkscreen printing / laser engraving / nameplate label (supports model serial number)
Packaging	Anti-static bag + customized pearl cotton inner tray + carton / wooden box (to ensure transportation safety)
Minimum Order Quantity (MOQ)	Minimum order quantity: 1 piece (supports sample development and verification)
Delivery cycle	Small batch proofing 7-10 days / Mass production 7-15 days according to structural complexity
Core application scenarios	Energy storage systems / electric two-wheelers / power tools / industrial power boxes / communication base station backup battery modules
Adapt to customer industry	Lithium battery manufacturers / energy storage system integrators / electric vehicle manufacturers / energy and communications industry customers

● Barrier Gate Housing Clamp



Processing technology	Laser cutting → CNC bending → Welding → Grinding → Spraying / Screen printing (Full-process production)
Production address	Cangzhou, China (Hebei Province)
Shipping Port	Tianjin Port (Supports global sea/air shipping)
Dimensions	Customizable to barrier gate control system dimensions (Provide drawings or samples)
Material selection	Cold-rolled steel / Stainless steel / Aluminum plate (Material reports available upon request)
Surface treatment	Electrostatic spraying / High-temperature baking paint / Brushed finish / Anti-corrosion coating (suitable for outdoor environments)
Color support	Full color customization available, supports color matching per sample/drawing
OEM deep customization	Supports exterior structural design, sheet metal structure optimization, IP rating customization
LOGO craft	Silk screen printing / Laser engraving / Metal nameplate labeling
Packaging	Shockproof cardboard boxes (≤ 20kg) / Wooden crates (>20kg) / Laminated protective packaging
Minimum Order Quantity (MOQ)	Minimum order quantity: 1 piece (prototyping available)
Delivery cycle	Prototyping: approx. 7 days / Batch production: 5-7 days per batch (flexible delivery options available)
Core application scenarios	Parking management systems / Smart campus access control / Urban traffic barriers / Highway toll stations
Adapt to customer industry	Security system integrators / Smart parking operators / Traffic facility suppliers / Barrier equipment manufacturers

New Energy Series

● Container



Processing technology	Steel plate cutting and folding → welding → frame assembly → sealing → spraying → accessories installation (overall structural modularization)
Dimensions	Regular 20ft / 40ft / High Cabinet / Customizable size (supports office renovation and equipment loading)
Material selection	Weathering steel (Corten A/B) / galvanized steel sheet / steel frame (thickness 1.5–3.0mm)
Surface treatment	Industrial-grade spray paint / weather-resistant anti-corrosion coating / anti-rust primer + topcoat combination (can be used outdoors for a long time)
Color support	International standard blue / gray / red / can be customized according to purpose or corporate color (support shipping company standard color)
OEM deep customization	Supports window openings/ventilation holes/air conditioning openings/power modules/thermal insulation layer customization
LOGO craft	Spraying/nameplate/stamping number (supports container number and company logo)
Packaging	Overall package transportation / module segmented distribution (support port pickup or land transportation to the factory)
Minimum Order Quantity (MOQ)	Minimum order quantity: 1 piece (supports single sample or project proofing)
Delivery cycle	Conventional container: 7–12 days / Modified custom container: 10–20 days
Core application scenarios	Freight logistics warehousing / portable offices / construction site accommodation containers / data center cabinets / display cabinets
Adapt to customer industry	Logistics and transportation companies / Construction contractors / Mobile building service providers / New energy system integrators / Commercial exhibition builders

● Express lockers



Processing technology	Laser cutting → CNC bending → spot welding/riveting → polishing → spraying → assembly (module holes can be pre-installed)
Dimensions	Supports customer specifications customization (such as 12 doors, 24 doors, 36 doors, modular combination)
Material selection	Cold-rolled steel sheet / galvanized sheet / aluminum alloy (thickness 0.8–2.0mm, with test report)
Surface treatment	Electrostatic spraying / anti-rust paint / outdoor anti-UV coating (anti-corrosion and weathering for more than 5 years)
Color support	Standard gray / yellow / blue / support full Pantone color customization
OEM deep customization	Provide a complete set of customized services including structural design, module distribution, electric control panel reservation, and code scanning screen embedding
LOGO craft	Screen printing / laser engraving / paint relief (support corporate VI customization)
Packaging	Pearl cotton + bubble film + carton / wooden frame packaging (support full cabinet assembly transportation)
Minimum Order Quantity (MOQ)	Minimum order quantity: 1 unit (supports proofing production)
Delivery cycle	Samples: 7–10 days / Mass production: 10–15 days (supporting stable supply of 300 units per month)
Core application scenarios	Community express terminals / smart campuses / office building express lockers / shopping mall smart lockers / logistics sorting station terminals
Adapt to customer industry	Express delivery company / smart logistics system integrator / IoT terminal manufacturer / government and enterprise package delivery service provider