

MARSALA

THE ART OF METAL



ALUMINIUM



01 PRODUCTS

01 PRODUCTS



Aluminum Veneer – Brief Introduction

Our company adheres to the following standards in production:

Alloy Single-layer Plate Production and Production Reference Standards:
"GB/T 3880 – 1997 Aluminum and Aluminum Alloy Rolled Plate",
"GB/T 3194 – 1998 Aluminum and Aluminum Alloy Plate and Strip Size Allowable Deviation", "YS/T 429. 1 – 2000 Aluminum curtain wall panel slab base, YS/T 429 . 9 – 2000 Aluminum curtain wall panel fluorocarbon sprayed aluminum veneer", "JG/T 133 – 2000 Aluminum profiles, aluminum plate fluorocarbon coating for construction", "GB/ T 6739 – 1996 Pencil determination method of coating film hardness", "G B / T 9 2 8 6 – 1 9 9 8 Scratch test of color paint and varnish film", "AAMA 2605 – 2002 American Building Manufacturers Association Coating Quality Standard", etc

01 PRODUCTS



Aluminum Veneer – Brief Introduction

Our company adopts a special curtain wall board base which is made of 3003H24 material produced by a well-known company . The coating used is fluorocarbon coatings such as AkzoNobel and PPG, with an average film thickness of 40 microns and a minimum local thickness of no less than 35 microns

The aluminum veneer is made of sheet metal by using CNC equipment, with a folding height of 25 mm, and with a special aluminum stiffeners on the back. The stiffeners are fixed with M6 aluminum seed nails. The structure of the processed fluorocarbon coated plate from top to bottom is: protective film layer, fluorocarbon resin PVDF system (the three coatings are varnish, topcoat, and primer from top to bottom), pretreatment layer, and aluminum plate layer. Fold around the aluminum plate and install aluminum alloy corner codes. During installation, move the corner code laterally and fix the three sides with bolts. It is easy to install with high efficiency. The structure is stable and safe.

01 PRODUCTS

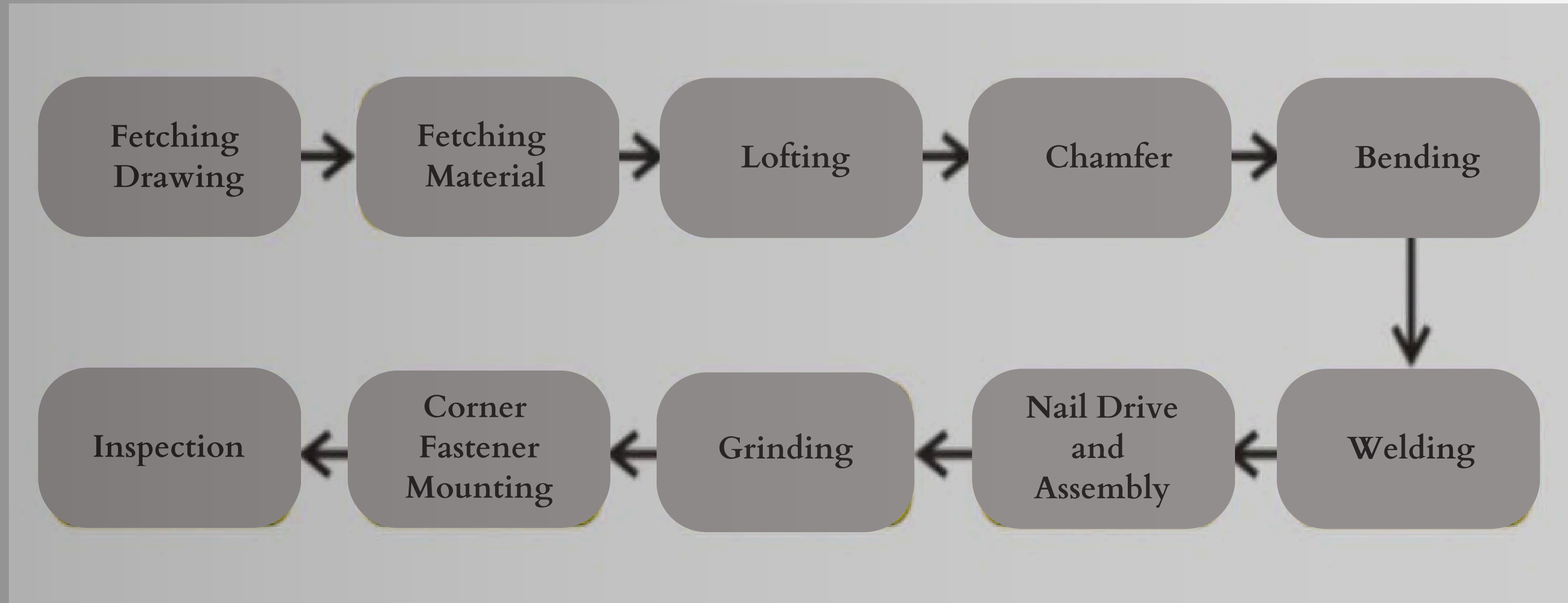


Aluminum Veneer – Application Characteristics

- Aluminum veneer has strong plasticity and good craftsmanship, and can be processed into various complex geometric shapes such as plane, arc and spherical surfaces.
- Aluminum veneer for building decoration is more in line with the requirements of green environmental protection. The aluminum material of aluminum veneer for building decoration can be fully recycled, and the residual value reaches 30%.
- Light weight, good rigidity and high strength. The 3.0mm thick aluminum plate has a counterweight of 8kg per square meter and a tensile strength of 100~280N/mm².
- Good weather resistance and corrosion resistance. Adopt processing first and then spray painting process, and spray PVDF on the surface. Fluorocarbon paint can last up to 25 years without discoloration.
- It is not easy to stain and is easy to clean and maintain. The non-adhesive nature of the fluorine coating film makes it difficult for contaminants to adhere to the surface and has good cleanability.
- Installation and construction are convenient and quick. The aluminum plates are formed in the factory and do not need to be cut at the construction site, just fixed on the frame.

01 PRODUCTS

Aluminum Veneer - Processing Procedures



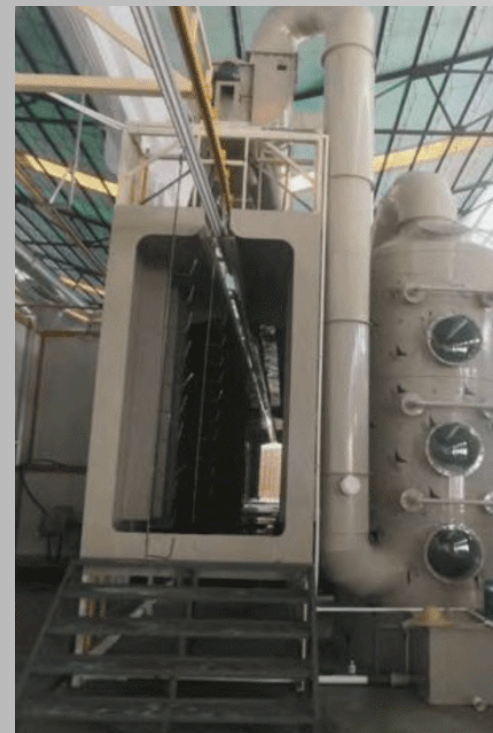
01 PRODUCTS

Aluminum Veneer - Spraying Process



01 PRODUCTS

Aluminum Veneer – Spraying Process



01 PRODUCTS

Aluminum Veneer – Quality Control



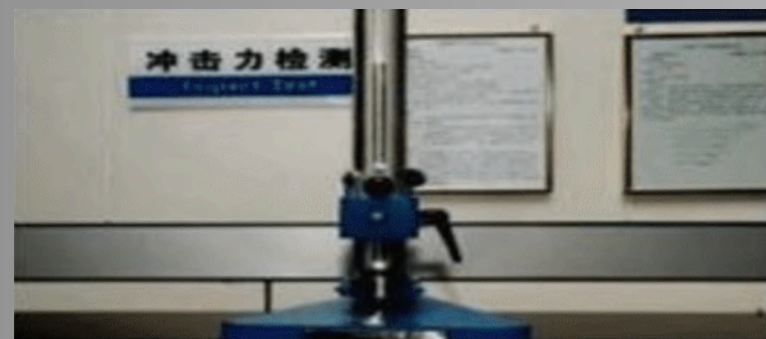
Colorimeter



Coating Thickness Gauge



Paint Film Scribe



Impact Testing Machine



Gloss Meter



Chemical Properties Testing Instrument



Melt Index Tester

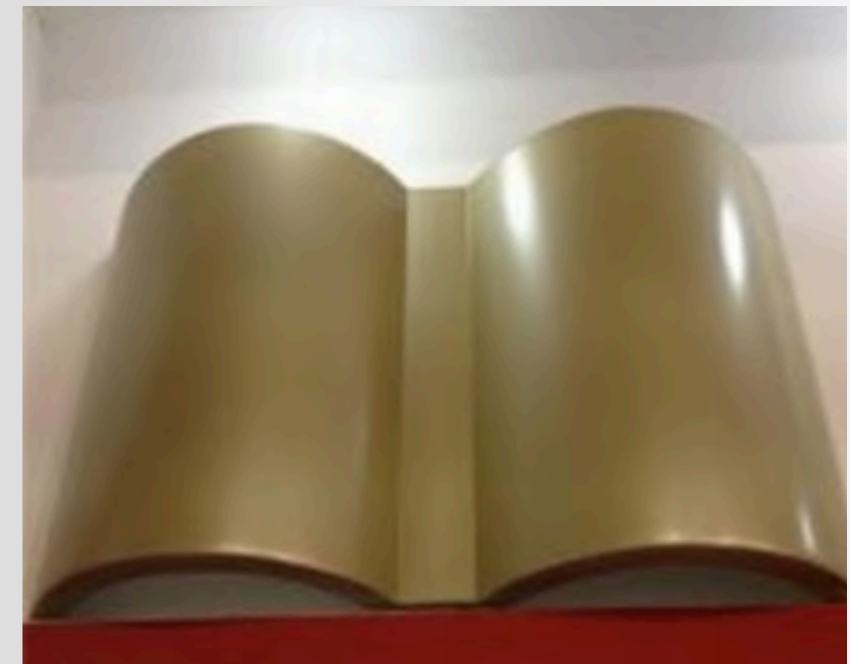
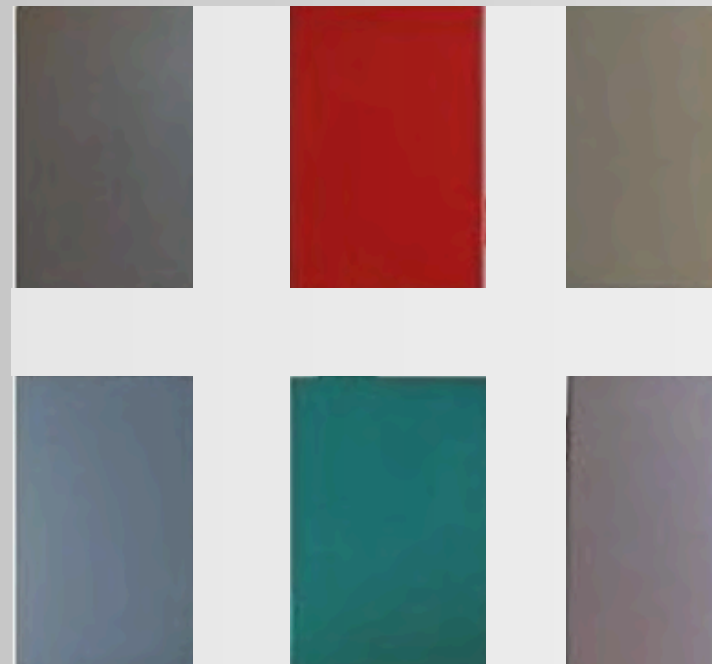
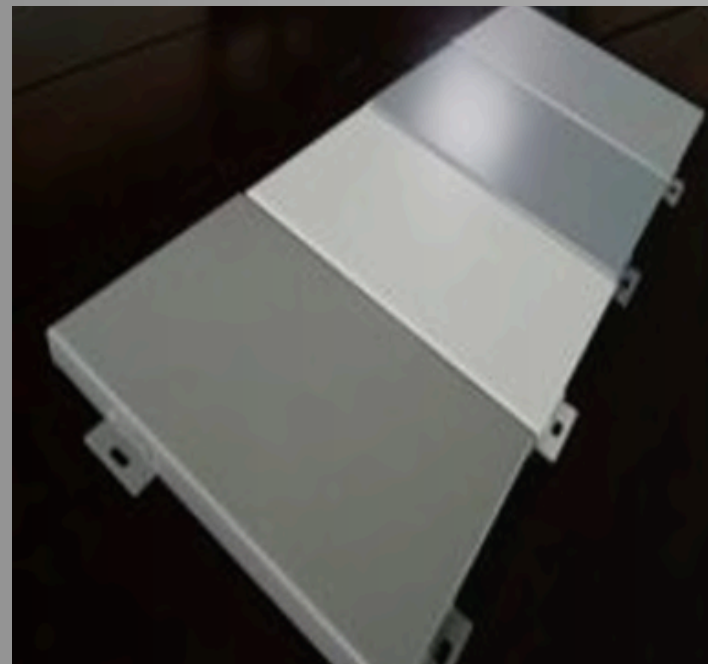


Pencil Hardness Tester



01 PRODUCTS

Fluorocarbon Sprayed Aluminum Veneer



Fluorocarbon spray-coated veneer refers to a carbon decorative material that is processed using fluorine spraying technology after chromization and other treatments. Carbon coating mainly refers to polyvinylidene fluoride resin (KANAR500), which is divided into primer and topcoat. The fluorocarbon coating has excellent corrosion resistance and weather resistance. It can resist acid rain, salt spray and other air films, and has excellent cold and heat resistance. It can have strong Boolean light, maintain long-term non-fading and non-powdering and have a long service life.

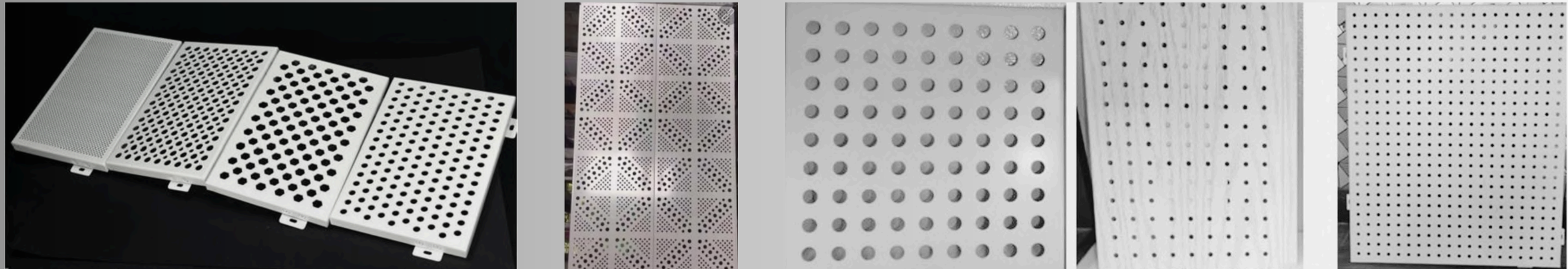
01 PRODUCTS

Fluorocarbon Sprayed Aluminum Veneer (Selected Colors)



01 PRODUCTS

Perforated Aluminum Veneer

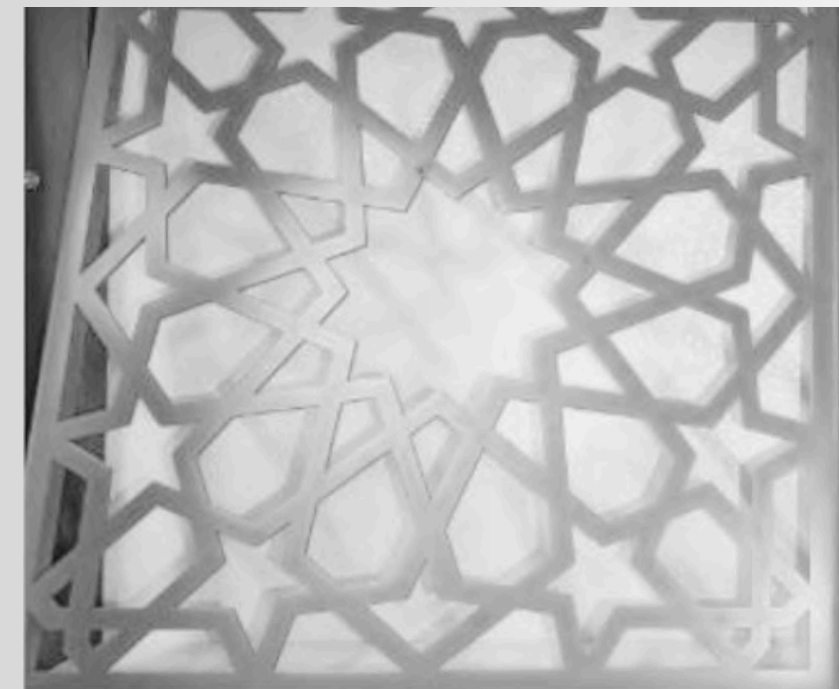
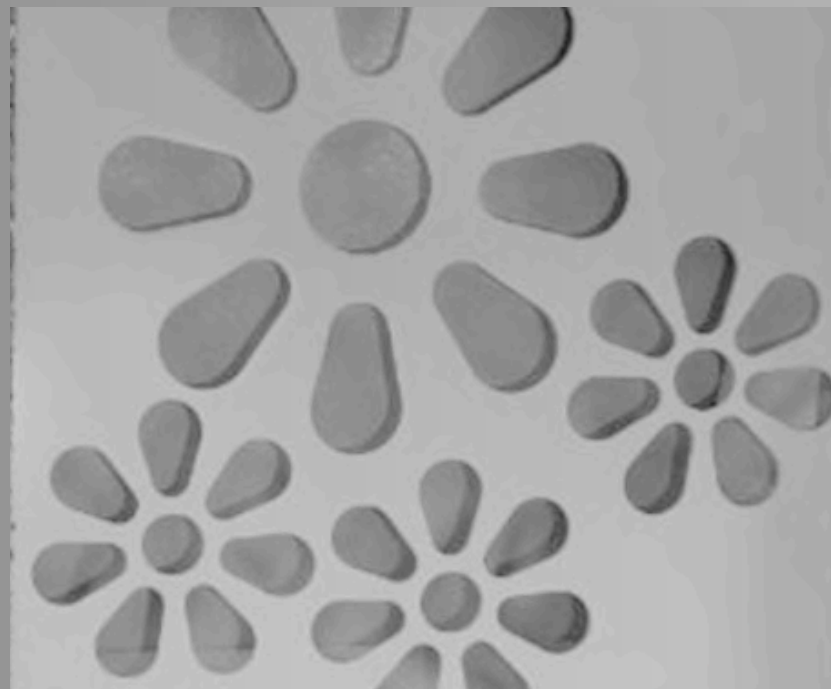
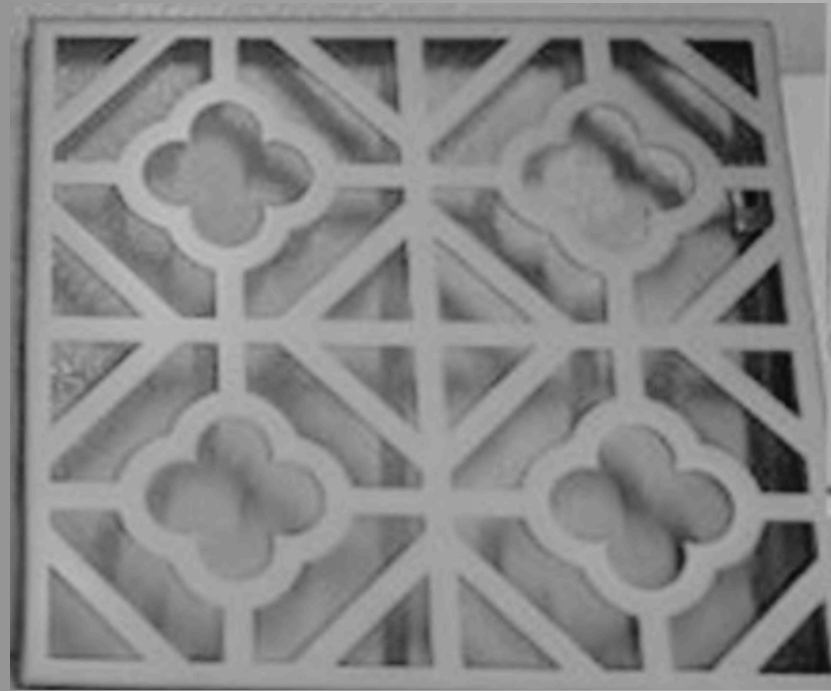


Perforated aluminum veneer, like other ordinary aluminum veneer, is divided into two processes: sheet metal and spraying.

- Sheet metal processing technology. The processing sequence of punched aluminum veneer is generally cutting→ punching line→ CNC punching→ punching→ bending→ welding→ assembly→ polishing. If the punching area is large, stiffeners must be installed to ensure the strength of the punched aluminum veneer.
- Spraying process. The spraying process can be divided into two small processes. Before spraying, the aluminum veneer needs to be pretreated. The oil stains on the aluminum veneer should be cleaned with special liquid, and then dried before entering the main spraying process. The sequence of the spraying process is generally: pendant cleaning, grinding and dust removal, primer spraying, primer smoothing, topcoat, topcoat smoothing, varnish, varnish smoothing, drying, natural cooling, quality inspection and packaging.

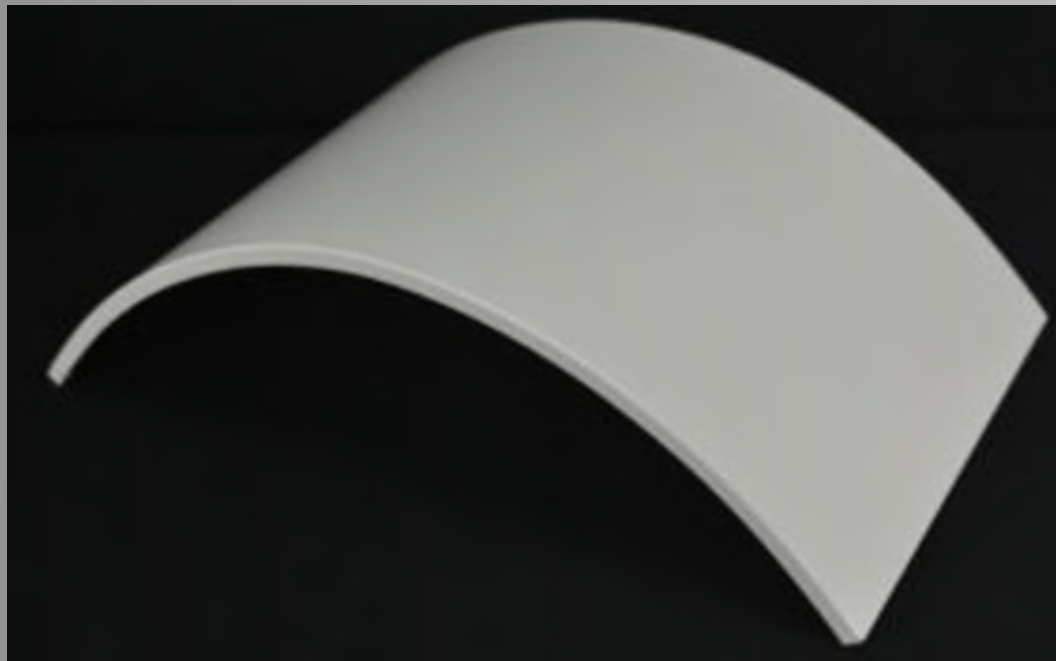
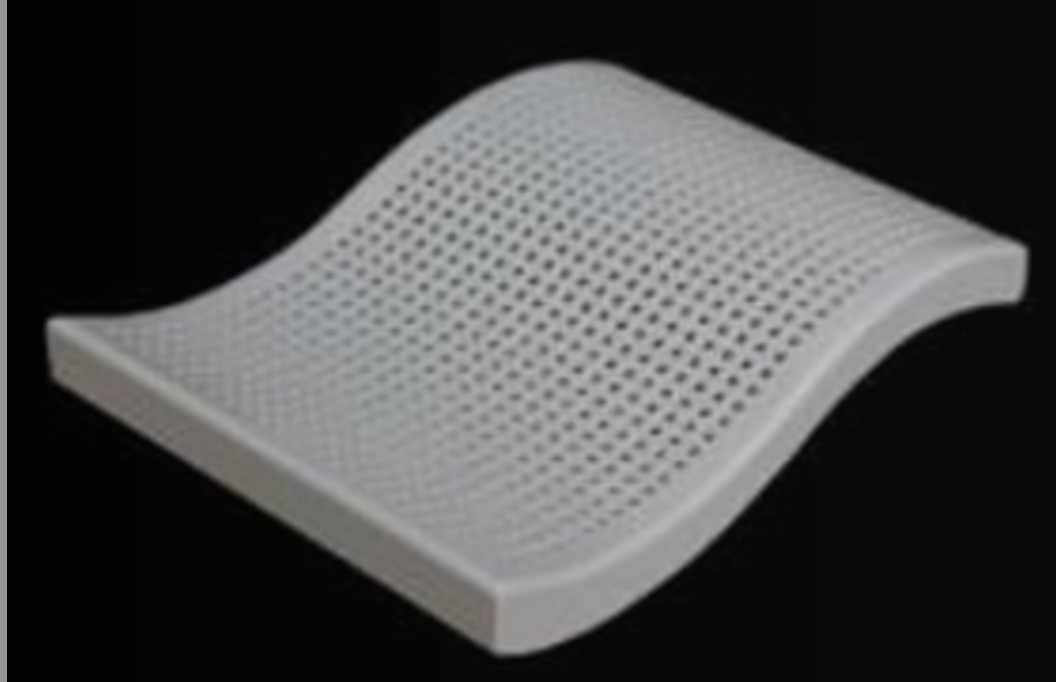
01 PRODUCTS

Hollow Aluminium Veneer



01 PRODUCTS

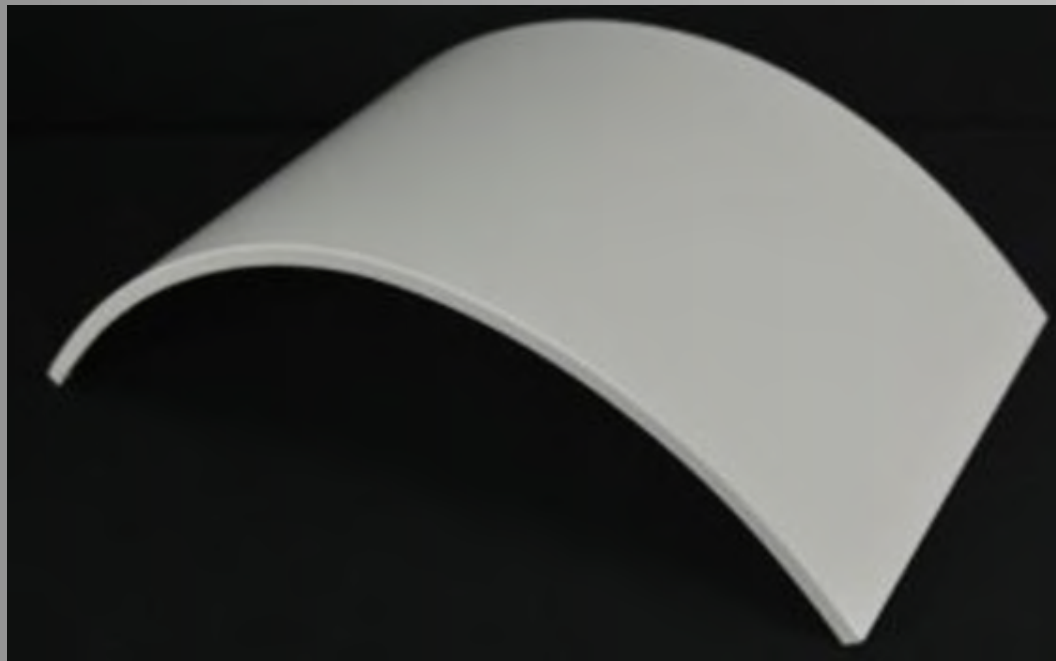
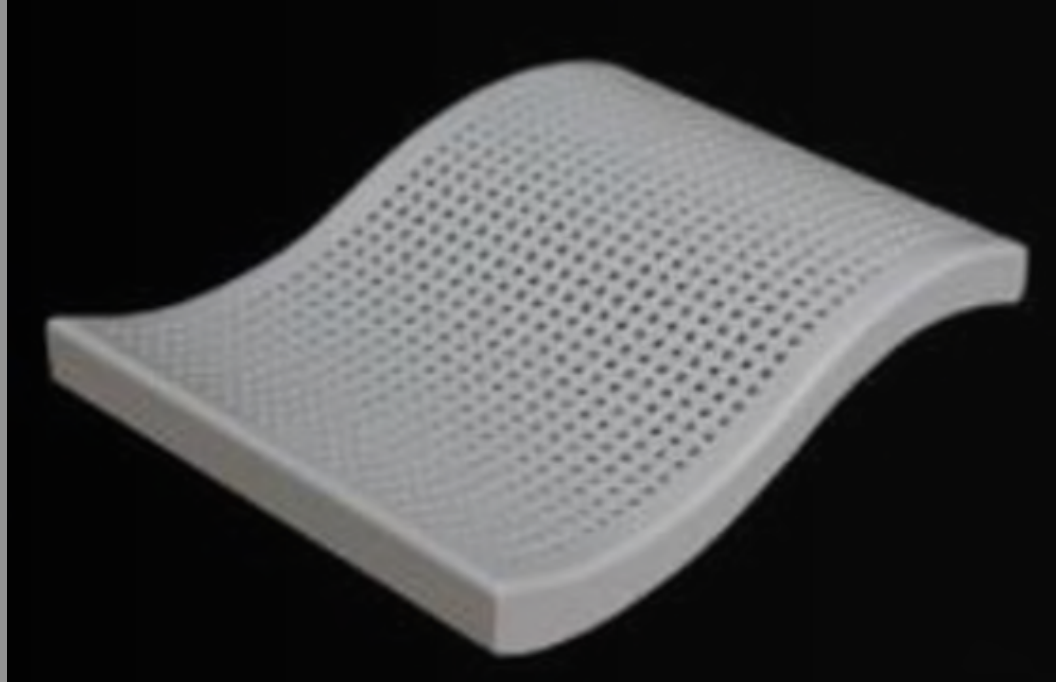
Hyperbolic Aluminum Veneer



- The hyperbolic aluminum veneer is made of high-quality aluminum alloy and undergoes fine processing. Therefore, the hyperbolic aluminum veneer has a long service life, which saves costs to a certain extent.
- Hyperbolic aluminum veneer can be made into different shapes and sprayed with various colors of paint, which can create different personalized architectural styles and have a good display effect. And it can expand the design ideas of architectural designers to meet different construction requirements.
- Hyperbolic aluminum veneer has good sealing properties. There are three sealing methods for aluminum veneers, namely internal waterproofing, glue sealing, and structural waterproofing. The hyperbolic aluminum veneer uses an internal structure that is waterproof and is glued and sealed to ensure the waterproof performance of the hyperbolic aluminum veneer to a greater extent.

01 PRODUCTS

Hyperbolic Aluminum Veneer



- Hyperbolic aluminum veneer has high technology requirements. Different from regular-shaped aluminum veneers, the production process of hyperbolic aluminum veneers is relatively cumbersome and difficult, and the requirements for machines and skilled workers are relatively high.
- Hyperbolic aluminum veneer has excellent corrosion resistance and weather resistance. It can resist acid rain, salt spray and various air pollutants. It has excellent cold and heat resistance, can effectively resist strong ultraviolet radiation, and can maintain the product's durability for a long time. It does not fade, does not chalk, and has a long service life. It has low density, light weight, lower cost, high tensile strength, strong metallic luster on the surface, uniform coating, bright and diverse colors, strong three-dimensional effect.

01 PRODUCTS

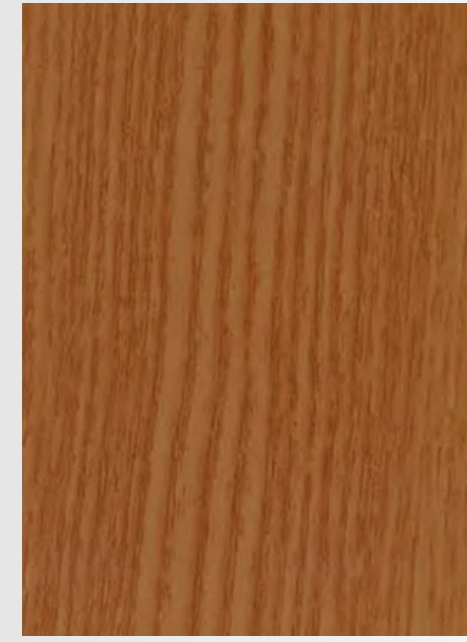
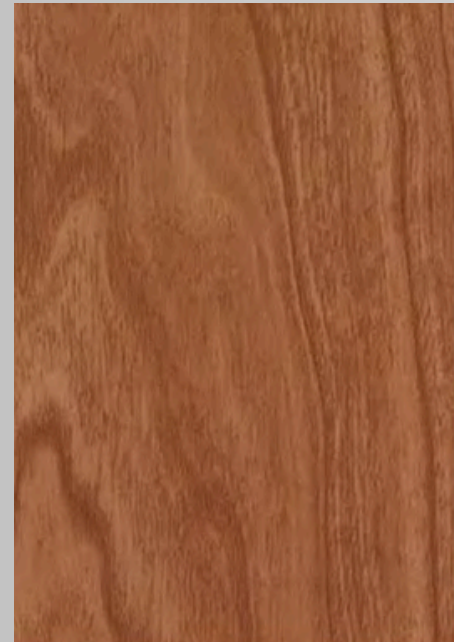
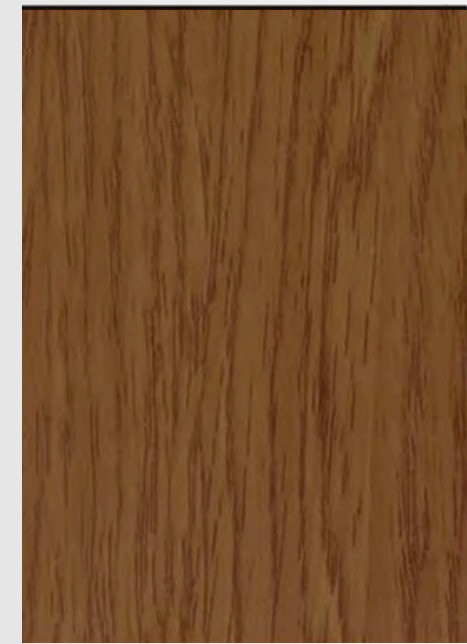
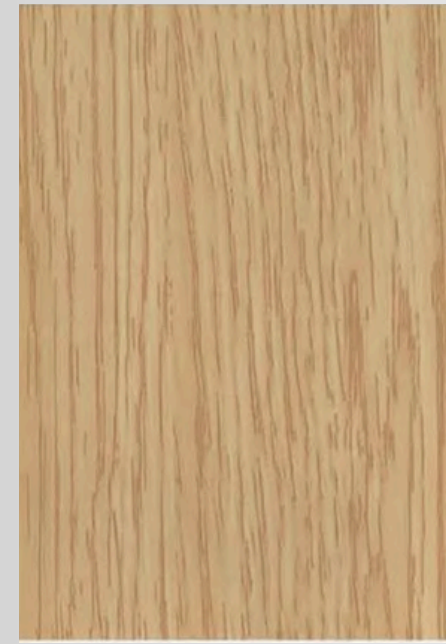
Wood Pattern Aluminum Veneer



- Wood pattern aluminum veneer adopts high-quality alloy aluminum plate and is coated with new international pattern decoration materials. Colors, textures and patterns are vivid. It is wear-resistant and no harmful gas is released. So you don't need to paint and glue after decoration. The odor and physical damage caused by the material are not worrying. The wood grain color supports green concept, expresses a unique architectural style, relieving the pressure of urban people after work and making people feel like they are in nature.
- Wood pattern aluminum veneer is light in weight, strong in hardness, moisture-proof, waterproof, and has high plasticity. It has wide applications, both outdoor and indoor, and become the favorite of many designers.

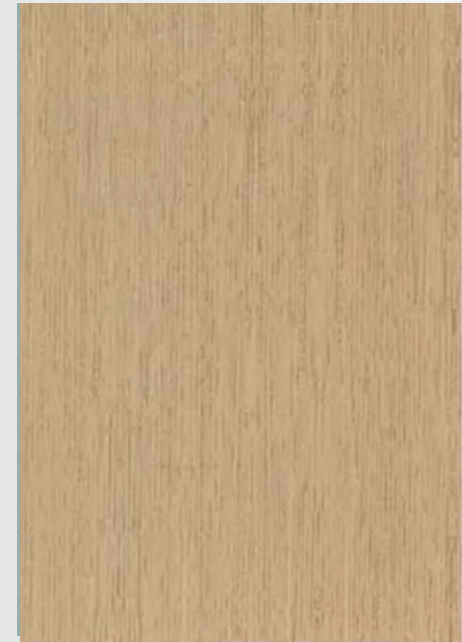
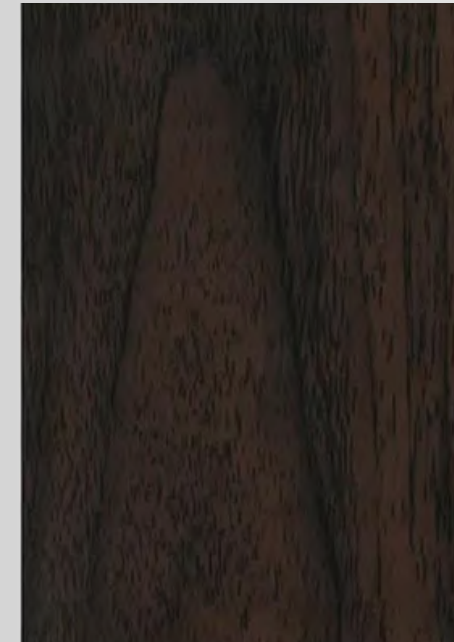
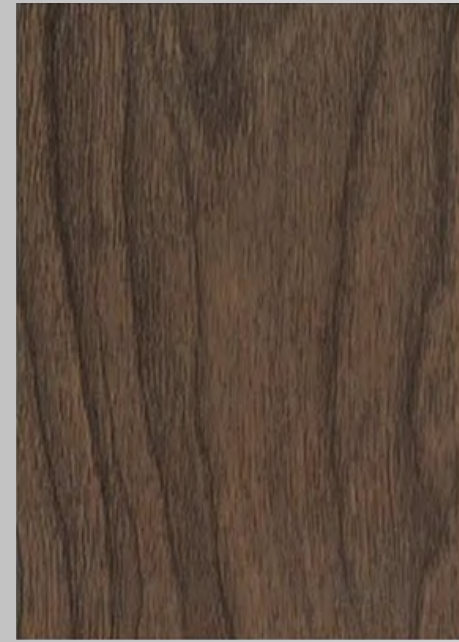
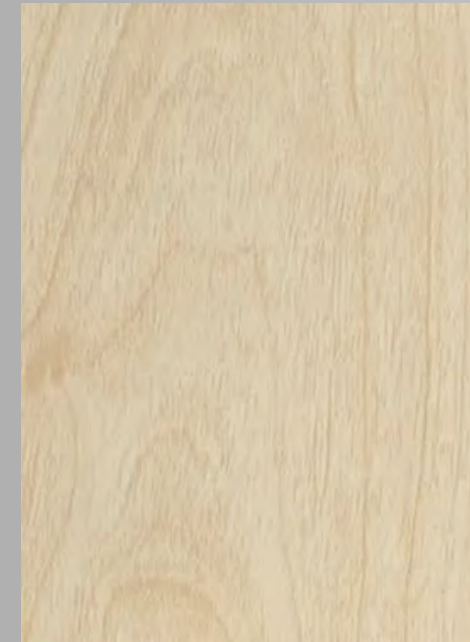
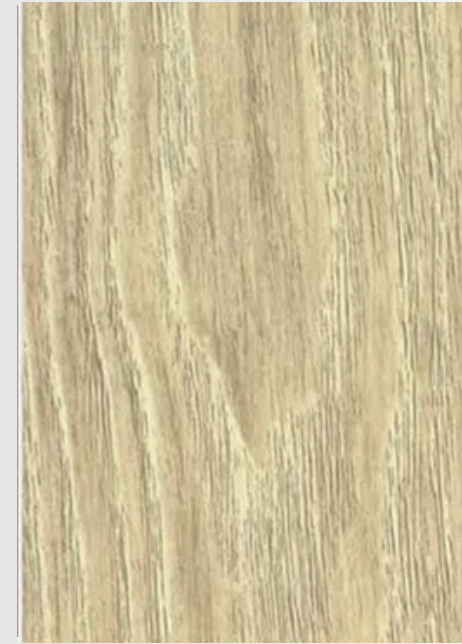
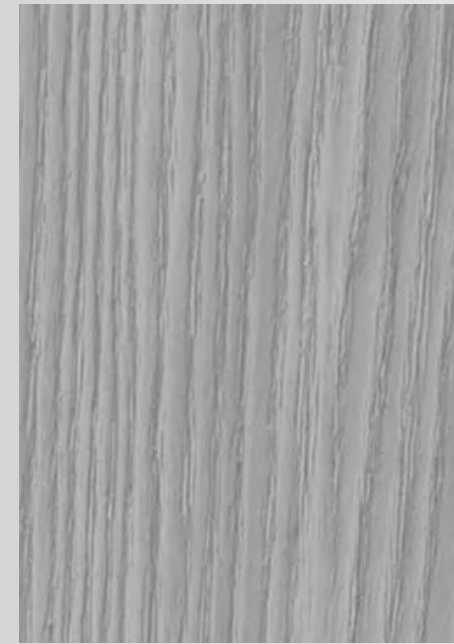
01 PRODUCTS

Wood Pattern Aluminum Veneer (Selected Patterns)



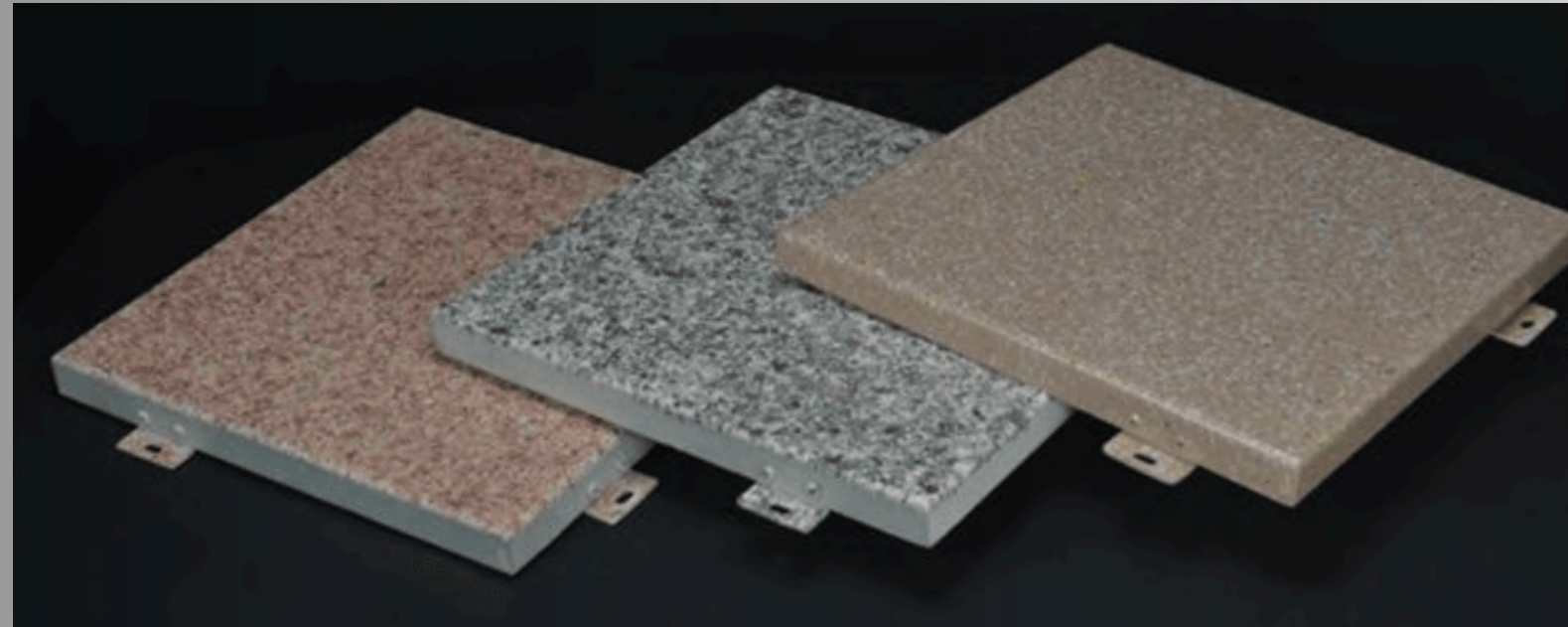
01 PRODUCTS

Wood Pattern Aluminum Veneer (Selected Patterns)



01 PRODUCTS

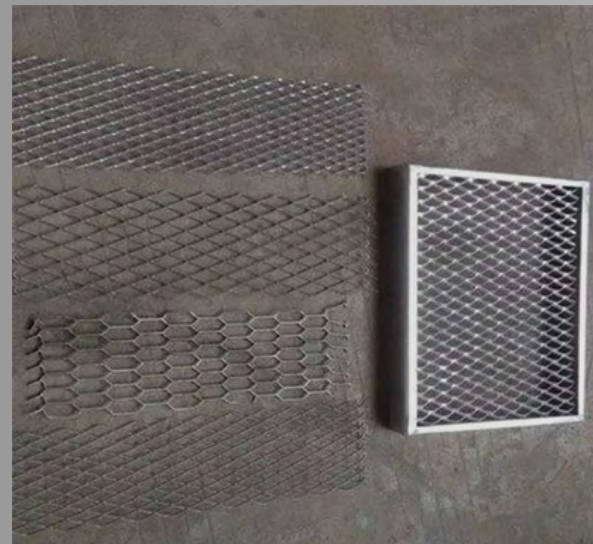
Stone Pattern Aluminum Veneer



- Stone pattern aluminum veneer is composed of a panel, corner codes and stiffeners. The stone grain texture is transferred to the veneer through roller coating or heat transfer printing technology. Surface stone patterns can be divided into two types, simulated stone patterns and real stone patterns.
- Stone pattern is made of fluorocarbon paint with the combined use of coating technology and digital color printing process. Through precise CNC programming and positioning, a pattern is formed on the surface of the aluminum alloy during multiple bulging and baking processes, and overprinting is achieved. With stone grain paint, the surface of fluorocarbon imitation stone grain aluminum veneer is sampled from real stone grain texture. The color is adjustable and more colorful than real stone grain. The surface is bright and shiny, smooth and waterproof. It is not much different from the real stone texture.

01 PRODUCTS

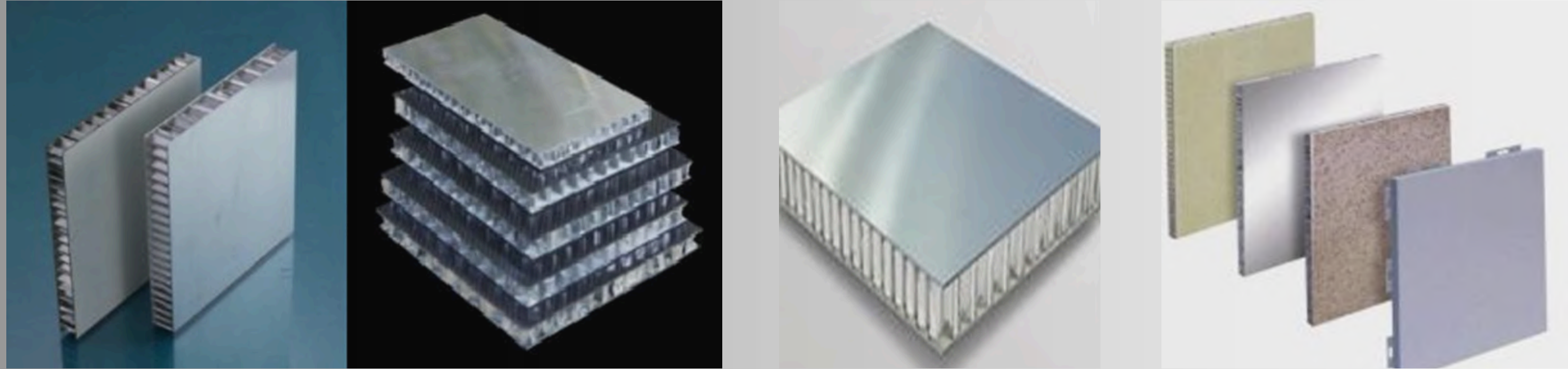
Expanded Mesh Aluminum Veneer



- Expanded mesh panels are made from original steel plates that are cut and expanded using the latest technology. The mesh body is lighter and has strong load-bearing capacity. The most common aluminum mesh has diamond-shaped holes, and other hole types include hexagonal, round, triangular, fish-scale holes, etc. And it is widely used in household, agriculture, construction, medicine, filtration, protection, insect control, handicraft manufacturing, etc.
- The aluminum plate stretched mesh has the characteristics of being rust-free, beautiful in color and appearance, strong and durable. Colored aluminum mesh is used in decoration and outdoor curtain walls. Due to the unique sturdiness of its metal material, it can easily withstand adverse weather factors such as storms and is easy to maintain. From a purely ornamental perspective, metal mesh, its silk fabrics appearance gives people visual enjoyment. When used as an indoor roof or partition wall, its unique permeability and gloss make the space more aesthetically attractive.

01 PRODUCTS

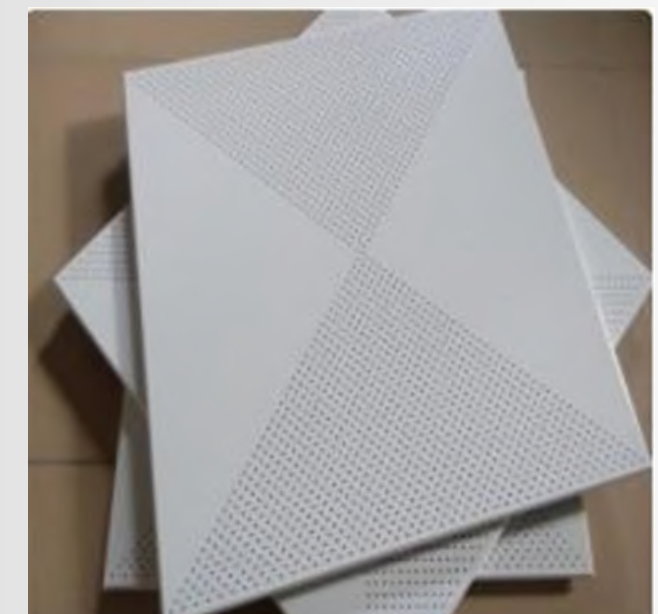
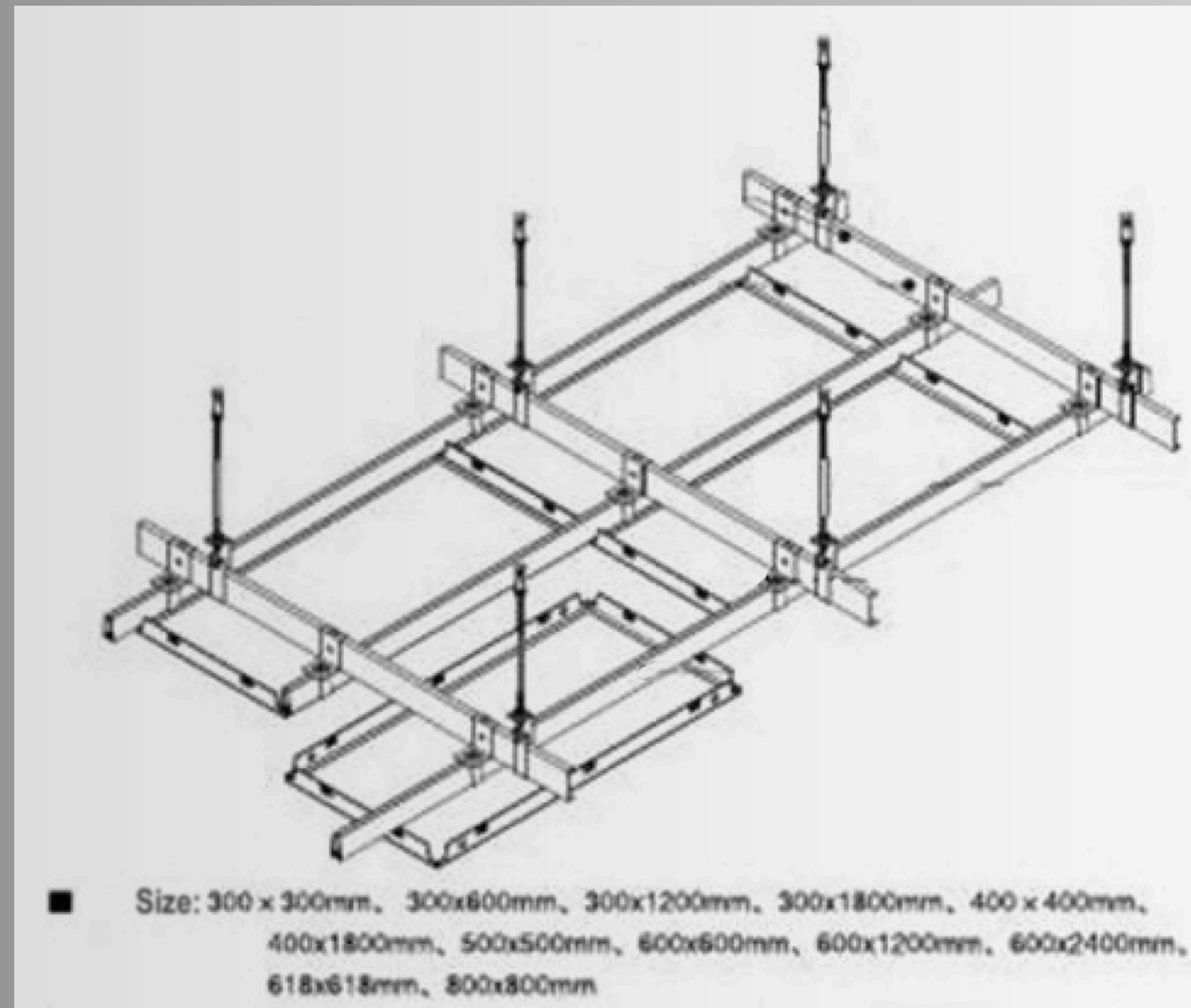
Honeycomb Aluminum Veneer



Aluminum honeycomb panel is a honeycomb sandwich panel with a honeycomb structure as the core layer being inspired by natural hexagonal honeycomb. Due to its unique structure, aluminum honeycomb panels made of aluminum alloy are not only the lightest among other materials of the same volume, but also have very good stiffness and overall stability. It also has sound and heat insulation properties. Aluminum alloy is neither radioactive nor volatilizes any harmful gases that are harmful to human health. It can also be completely recycled and reused to save resources and energy and reduce environmental pollution to a minimum. This makes aluminum honeycomb panels an energy-saving, environmentally friendly and healthy new materials

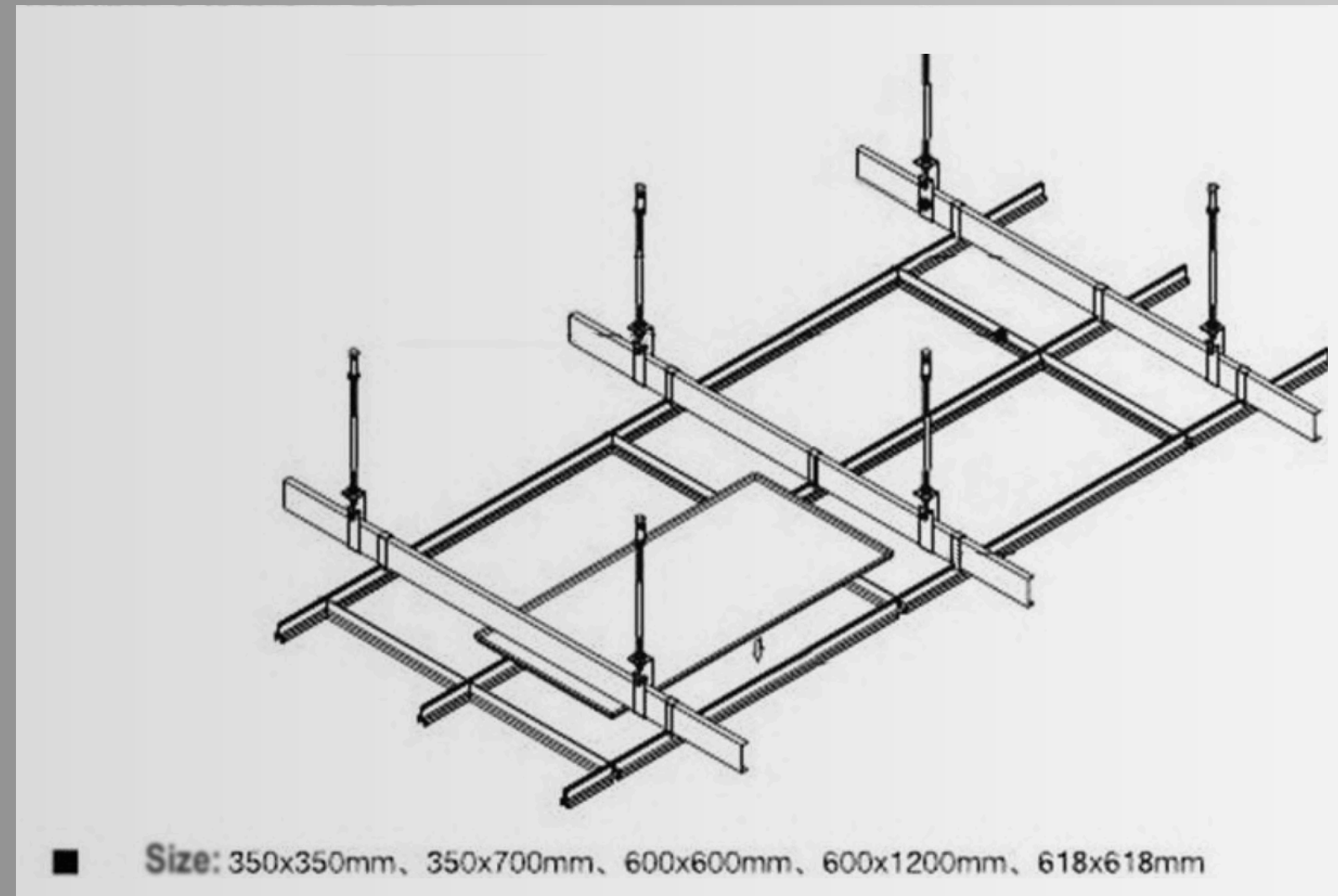
01 PRODUCTS

Panel (Concealed Frame) Ceiling Series



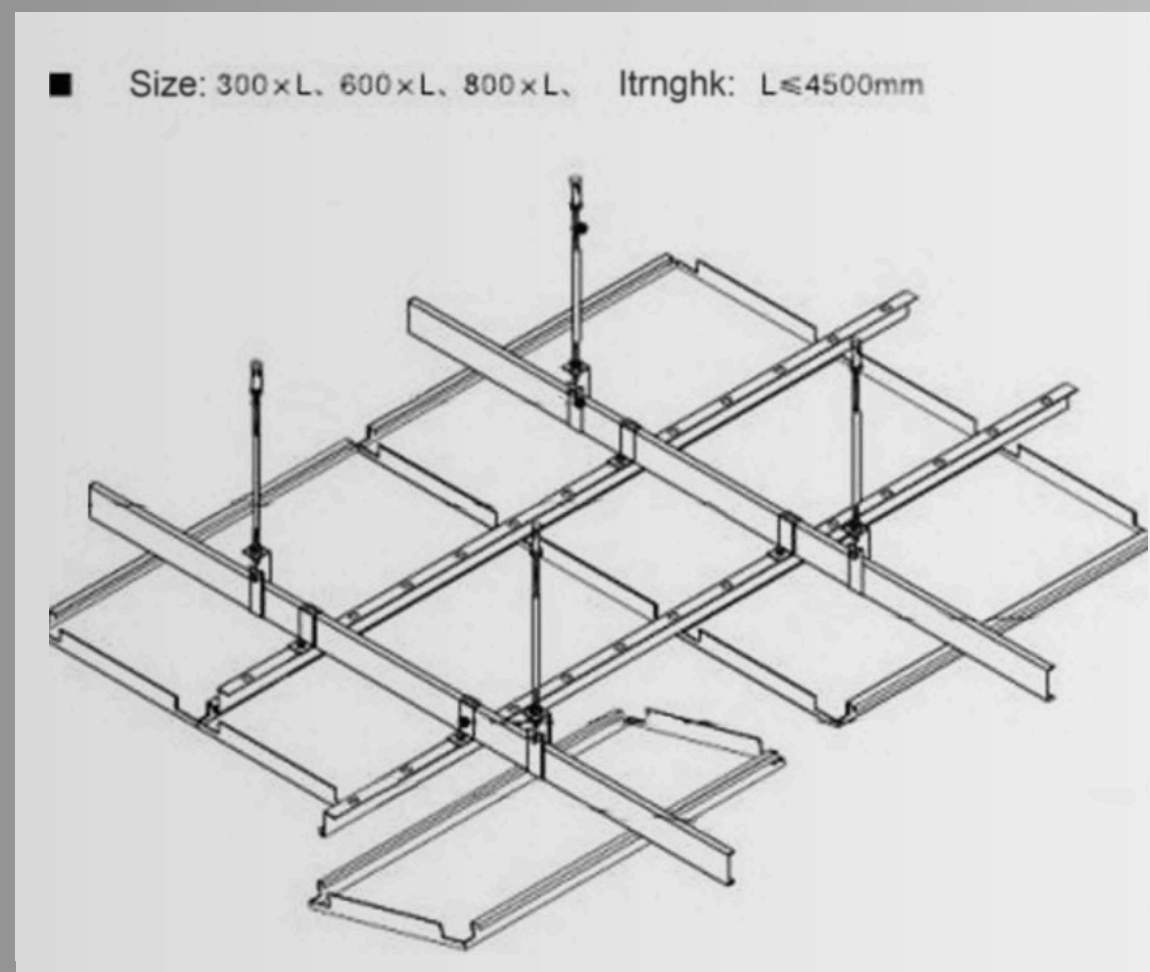
01 PRODUCTS

Panel (Opened Frame) Ceiling Series



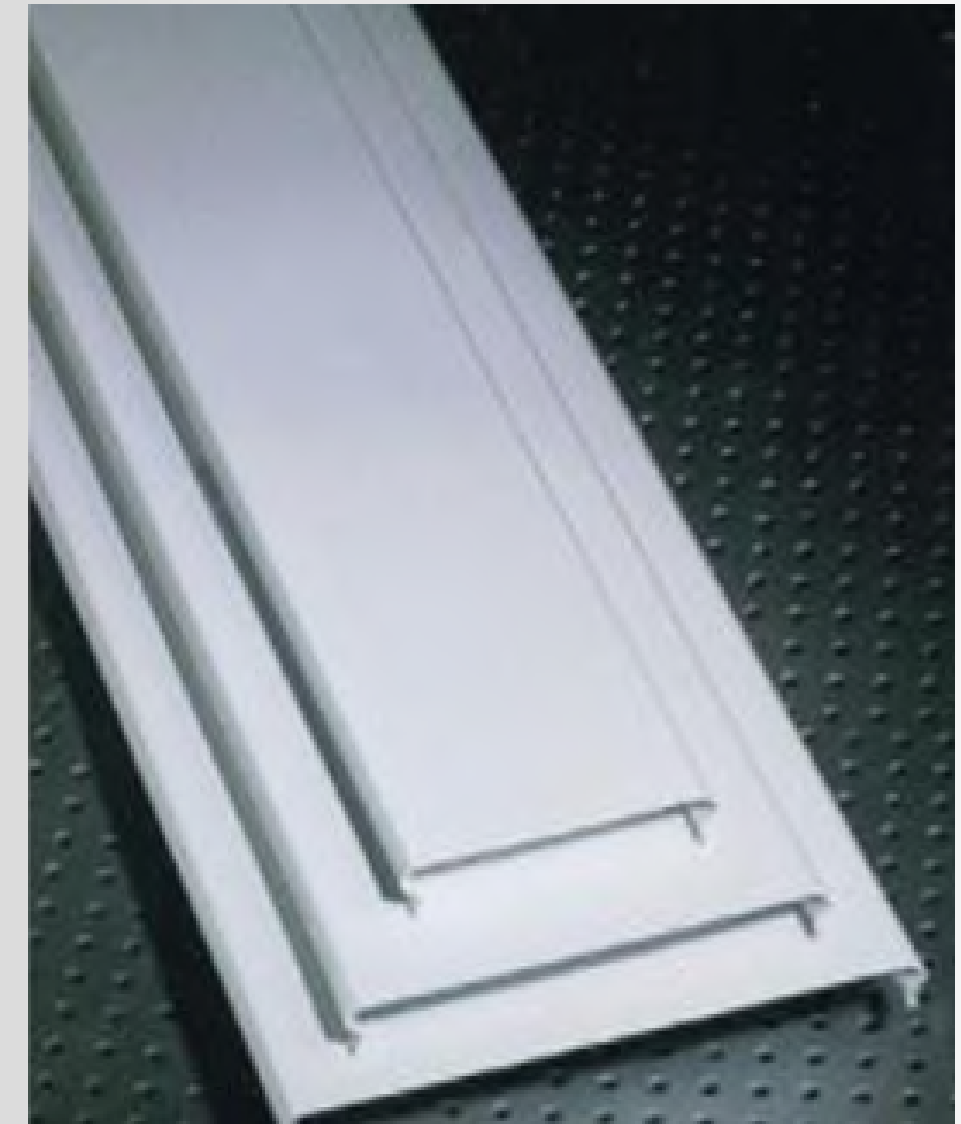
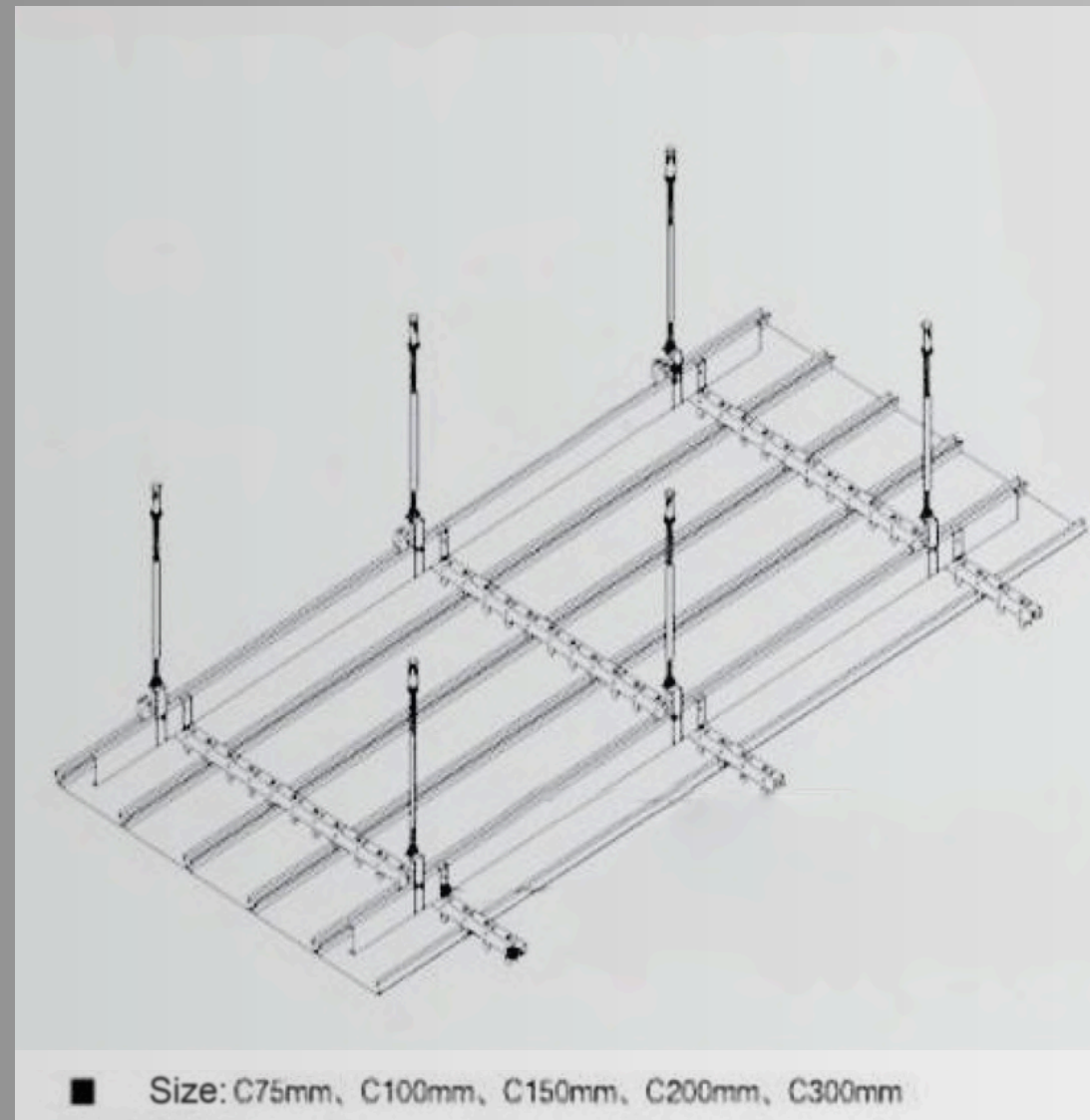
01 PRODUCTS

Hook-Up Style Ceiling Series



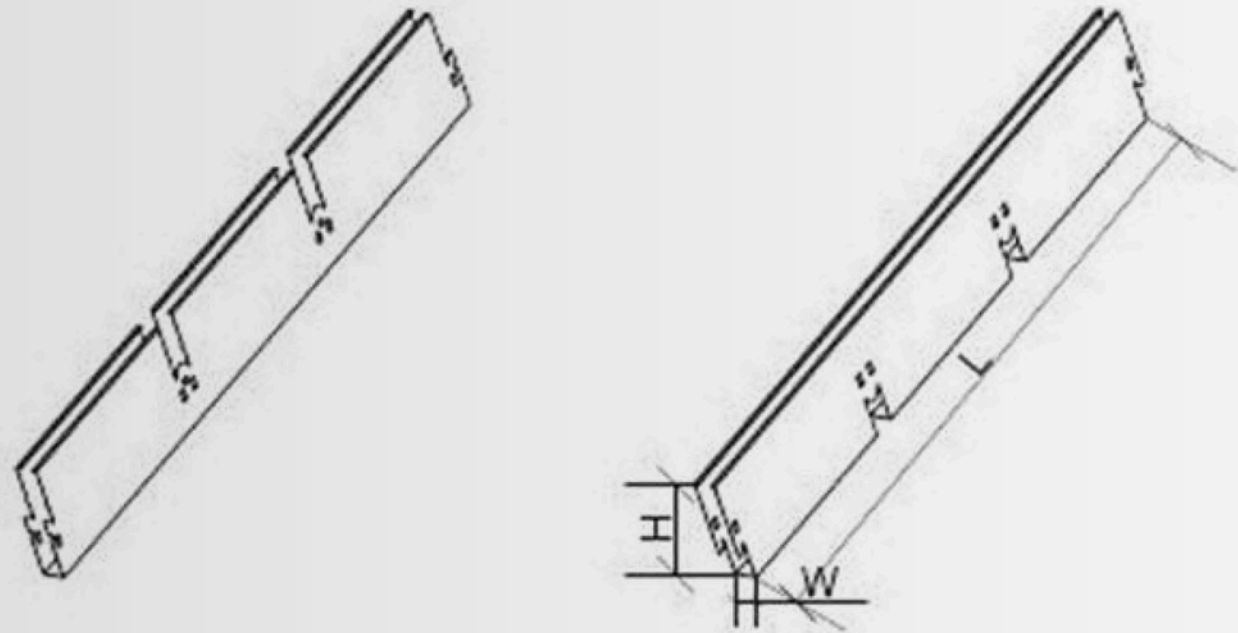
01 PRODUCTS

C-Shaped Bar Buckle Ceiling Series



01 PRODUCTS

Grille Ceiling Series

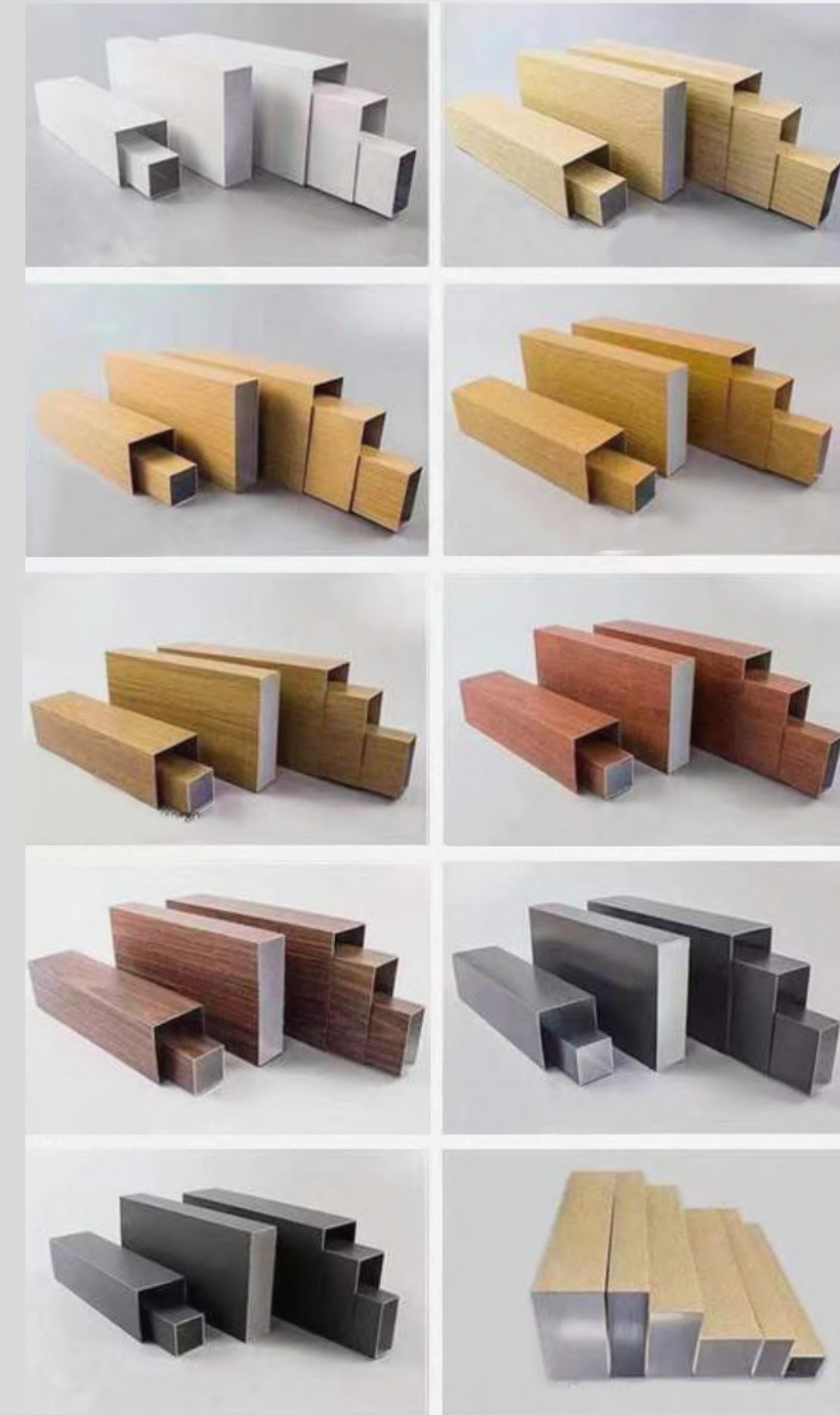
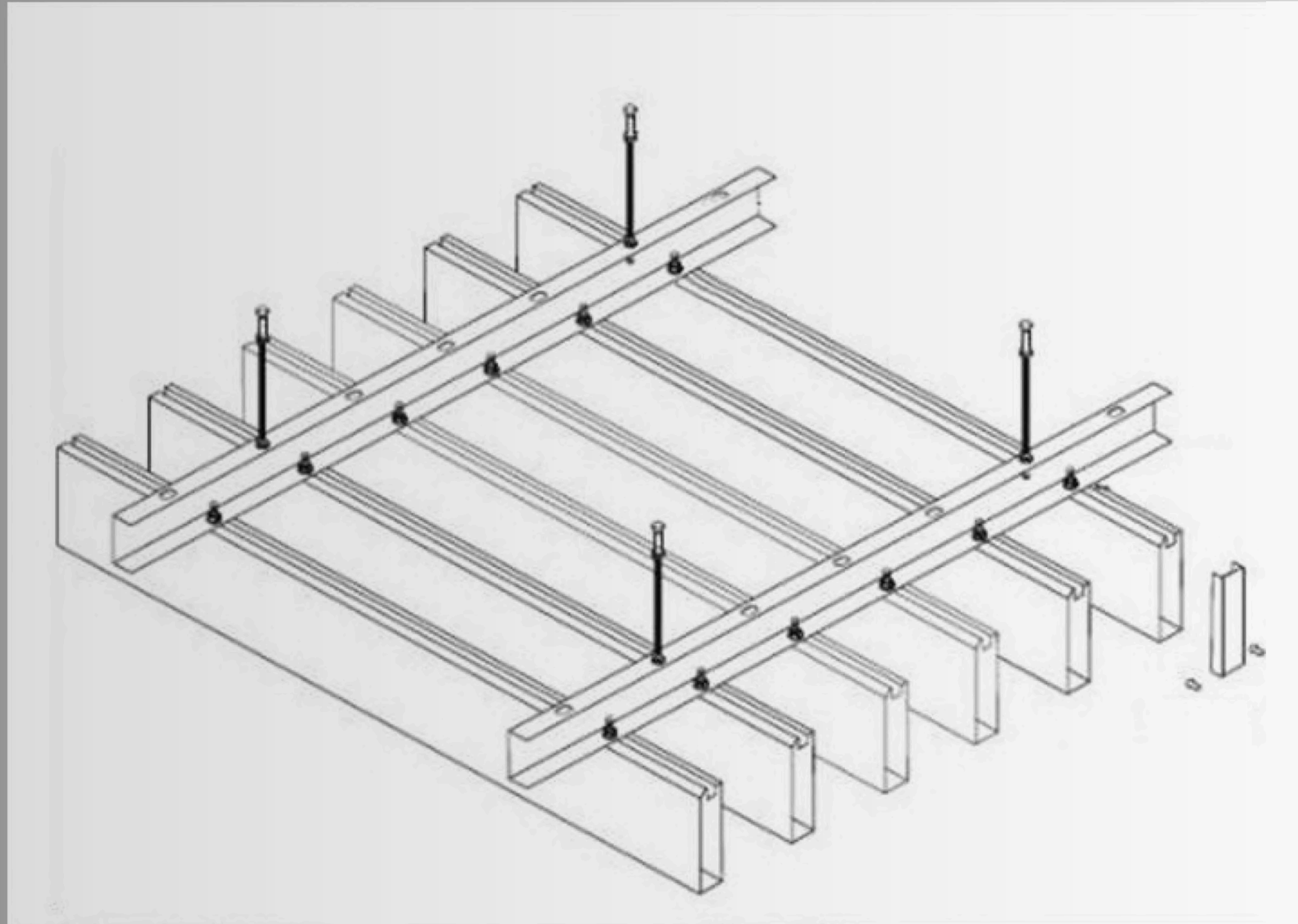


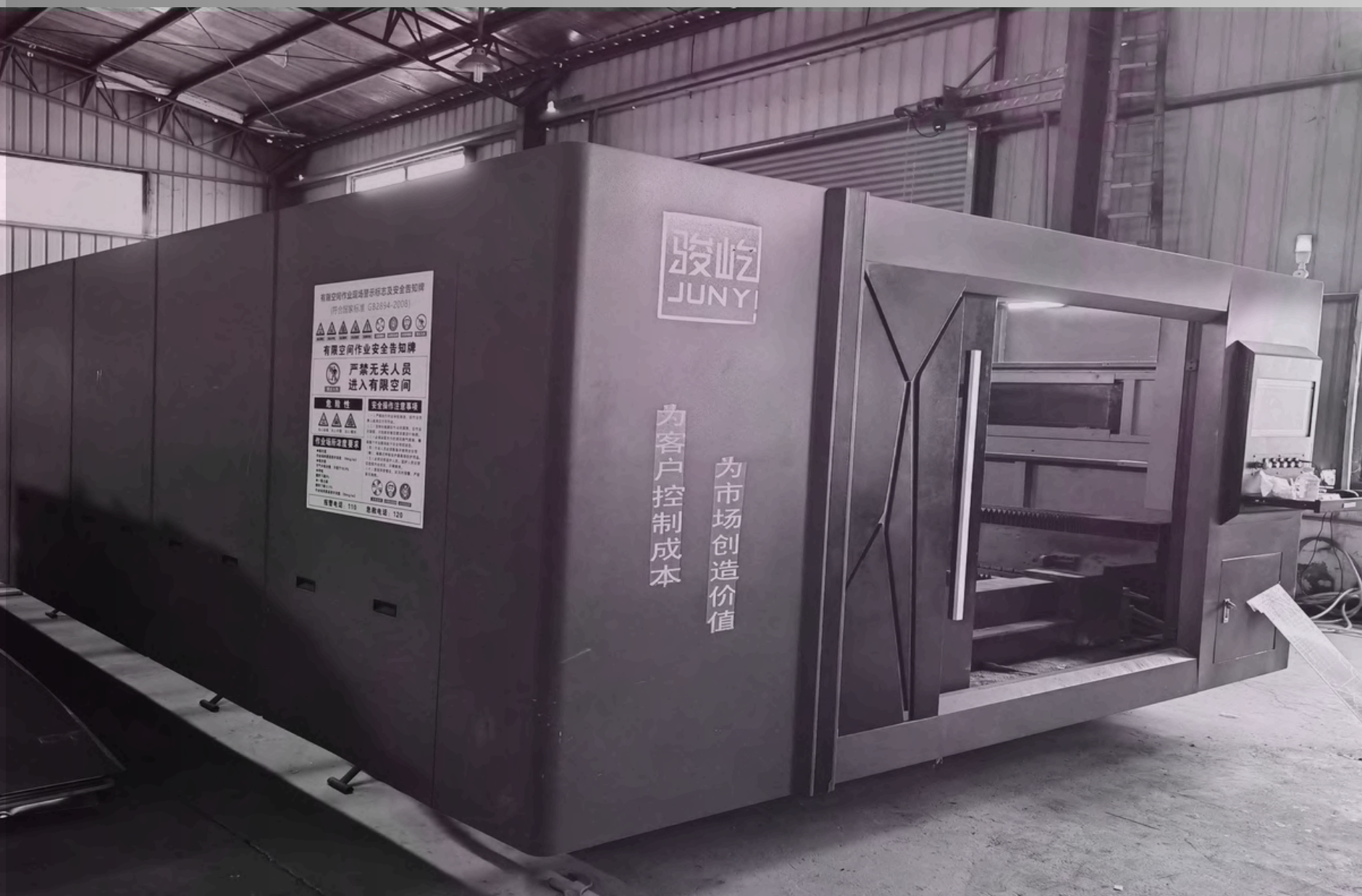
■ Size: Width: W10mm、W15mm、W20mm;
Height: H30~100mm;
Length: L625mm、1250mm、2000mm



01 PRODUCTS

Square Tube Ceiling Series





02 FACILITIES

02 FACILITIES



CNC Bending Machine

02 FACILITIES



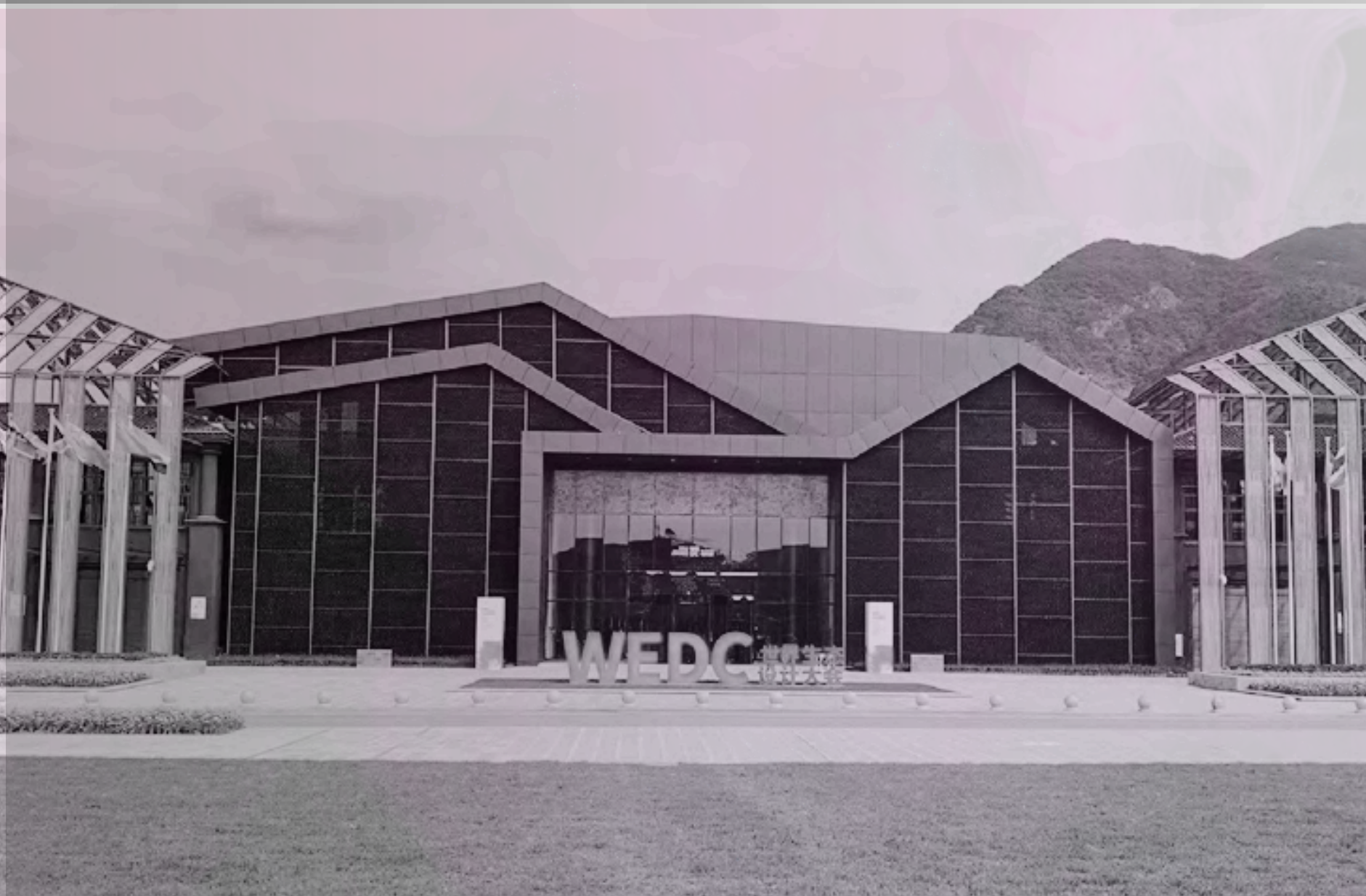
CNC Turret Punch Press

02 FACILITIES



Engraving Machine





03 JOB REFERENCE

03 JOB REFERENCE



Nanning Track Real Estate The Great Seal King's Landing Bay
Supply : 50,000 sq meter

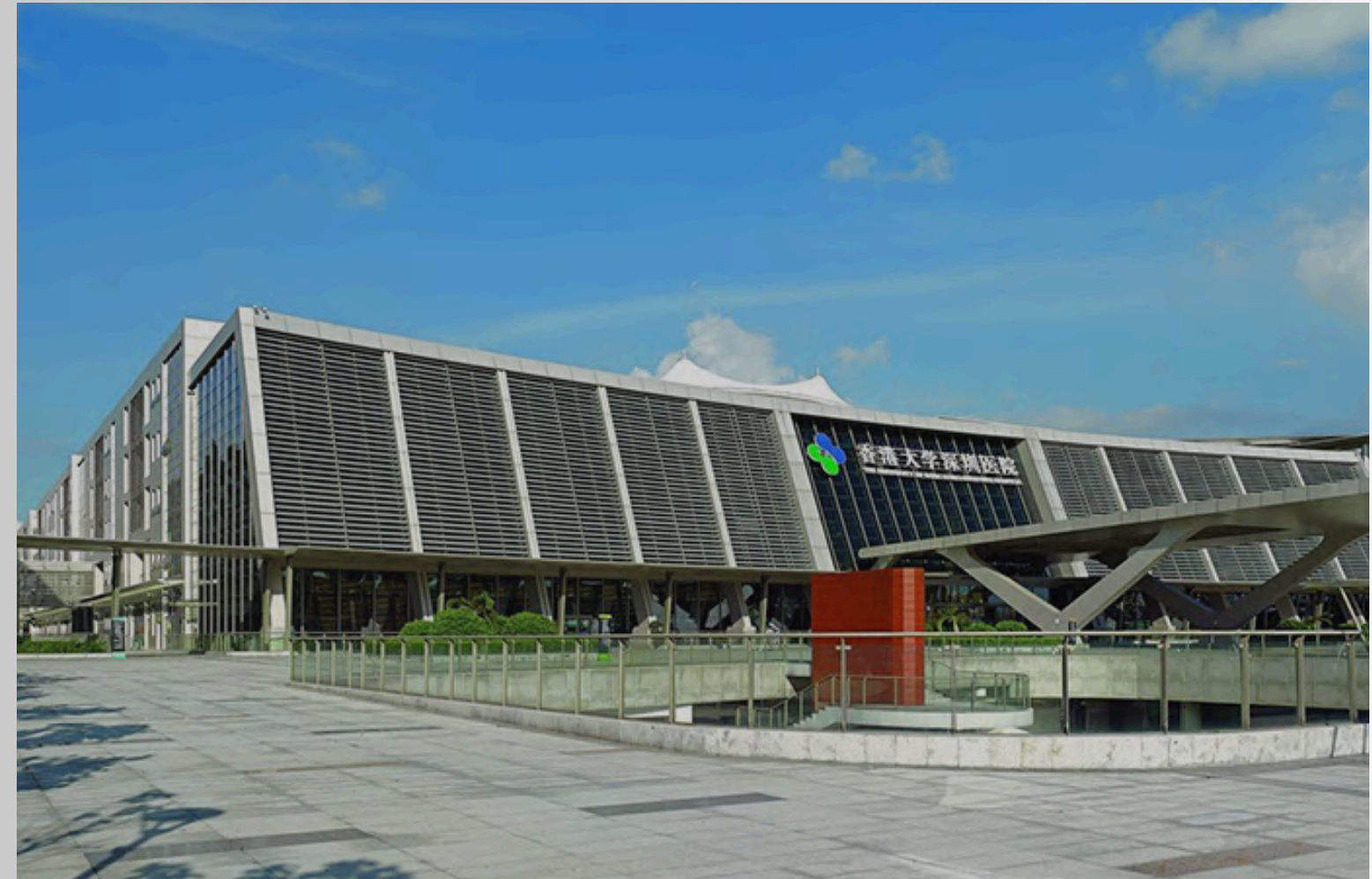
03 JOB REFERENCE



Shenzhen Civic Center
Supply : 37,800 sq meter



03 JOB REFERENCE



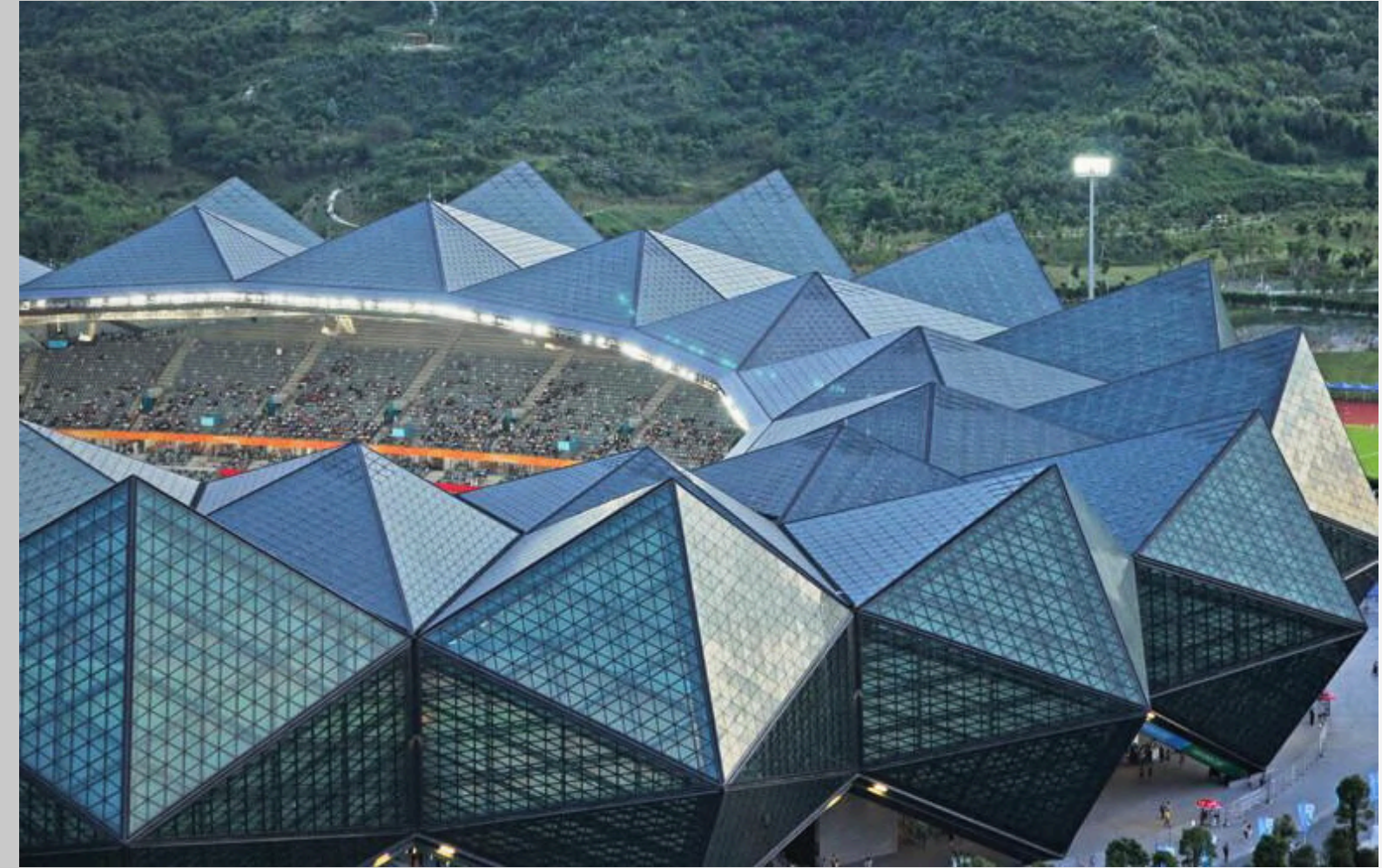
The Hong Kong University - Shenzhen Hospital
Supply : 35,000 sq meter

03 JOB REFERENCE



Tsankiang Kingkey City
Supply : 36,800 sq meter

03 JOB REFERENCE



Shenzhen Universiade Sports Center – Stadium
Supply : 30,000 sq meter

03 JOB REFERENCE



Sunwoda Electronic Co., Ltd Shilongzai Industrial Park
Supply : 30,000 sq meter

03 JOB REFERENCE



Guangxi Fangchenggang People's Hospital
Supply : 27,000 sq meter

03 JOB REFERENCE



Shenzhen Museum
Supply : 26,000 sq meter

03 JOB REFERENCE



Fuzhou Haixi Finance Centre
Supply : 26,000 sq meter

03 JOB REFERENCE



Hainan International Convention And Exhibition Center
Supply : 25,680 sq meter

03 JOB REFERENCE



Hainan Haikou Marriott Hotel
Supply : 25,500 sq meter



03 JOB REFERENCE



Shenzhen Bao'an International Airport
Supply : 23,000 sq meter

03 JOB REFERENCE



Shanong Yanzhou People's Hospital
Supply : 23,000 sq meter

03 JOB REFERENCE



Shenzhen Hezheng Charming Times Garden
Supply : 20,000 sq meter

CONTACTS

Michelle Fan: (M) +852 98321838

Warren Yau: (M) +852 67029288

**Office No: +852 2636 5886 (Hong Kong)
+86 755 8217 6188 (Shenzhen)**

Email: info@marsalametal.com