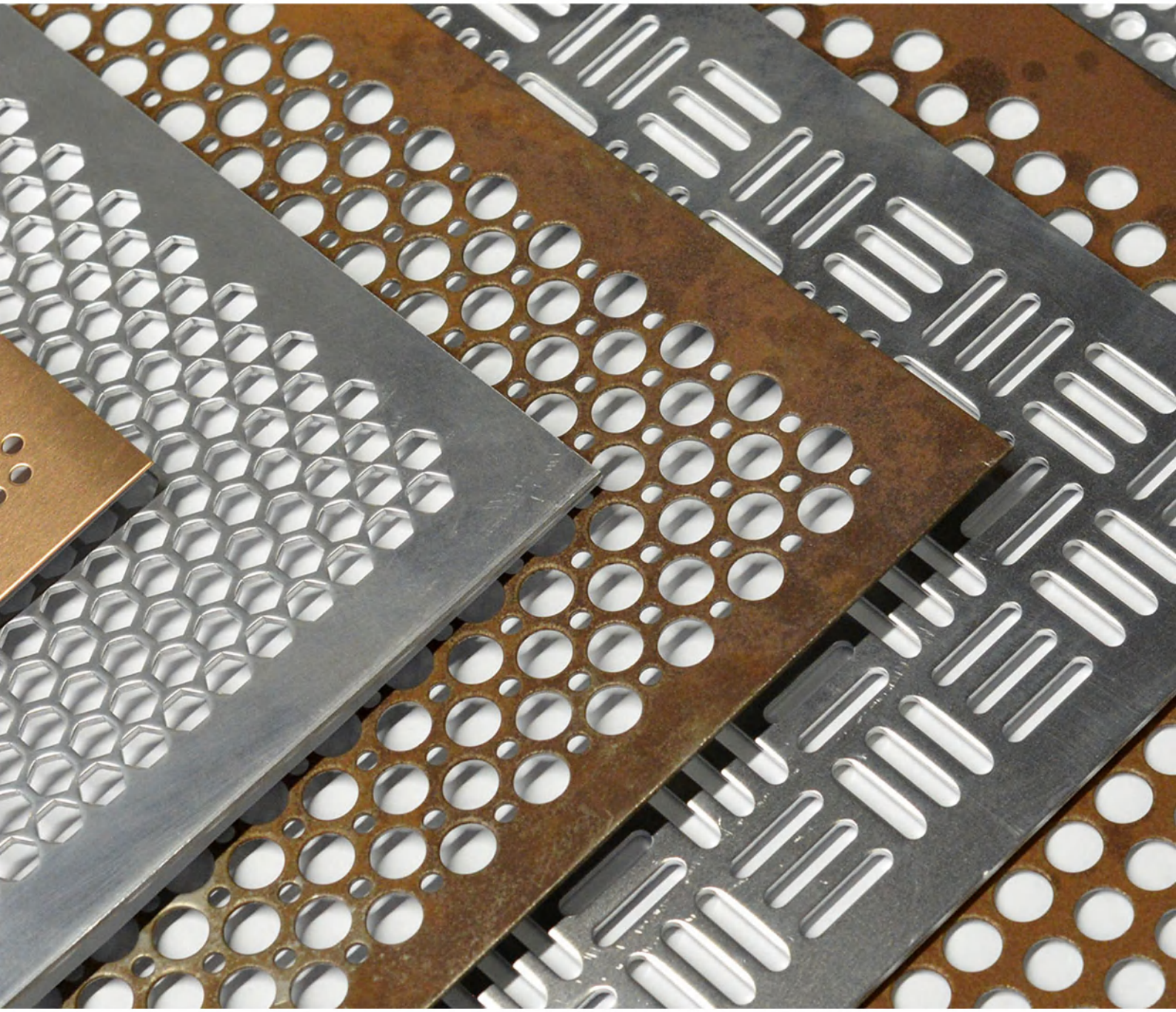
DONGFU
PERFORATING

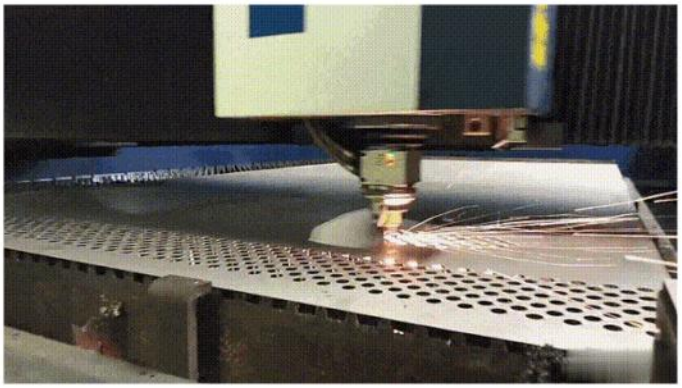


PERFORATEDSHEETSMETAL.COM

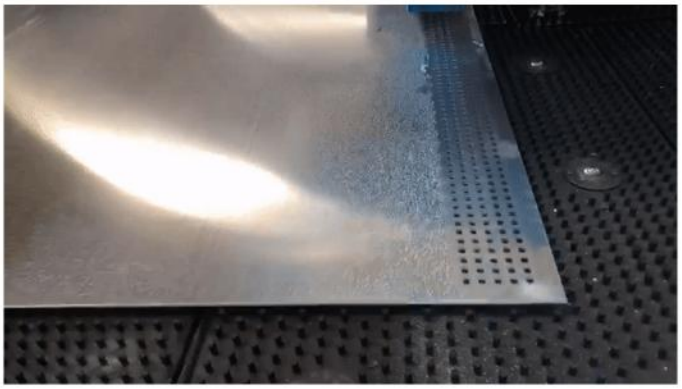
DONGFU PERFORATING
Anping Dongfu Wire Mesh Co., Ltd.
Phone: +86-158-3286-8999
Email: info@dfwiremesh.com

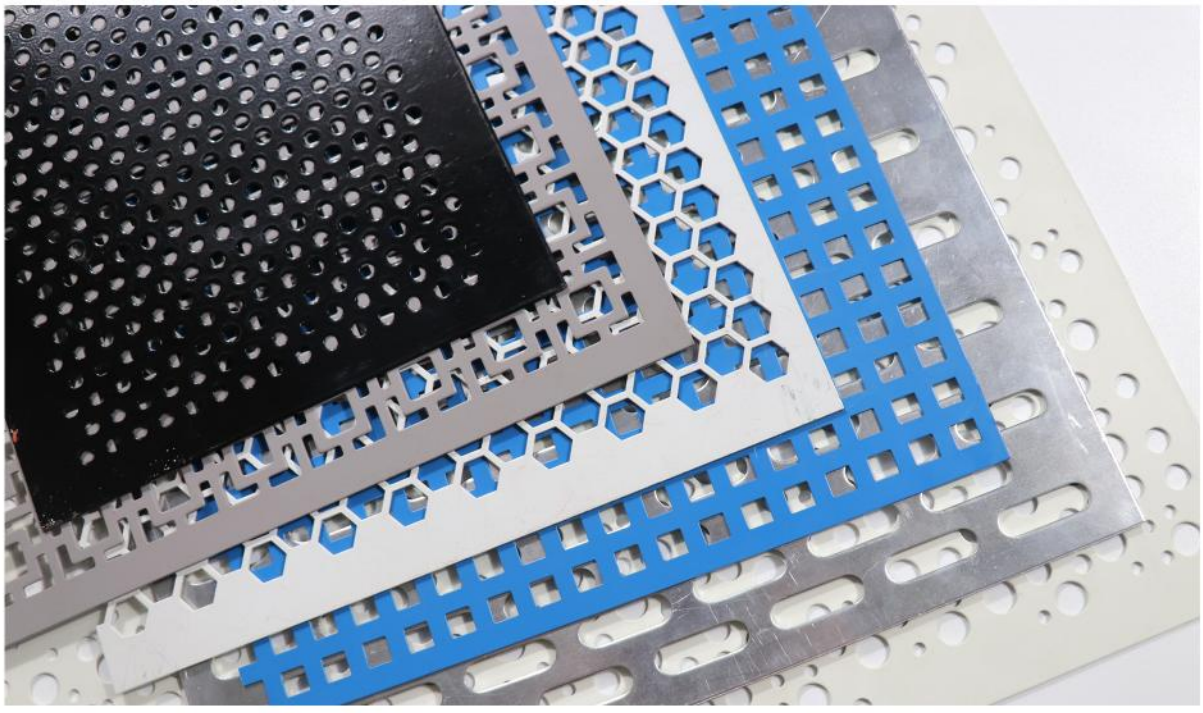
One-stop Perforated Metal Solution Provider from China

Manufacturer of custom perforated metal sheets or coils from China, a wide variety of material options include aluminum, steel, galvanized steel, stainless steel and copper. Hole types support round holes, square holes, slotted holes, hexagonal holes and some complex designs with patterns/text. Hole sizes and opening ratios can be customized upon request, and a variety of color and style finish options (powder coating, fluorocarbon coating and anodizing) are available.



We also offer customized processing services to create different perforated metal sheets for your special needs: shearing, forming, laser cutting, bending, welding, etc. Dongfu Perforating is your one-stop perforated metal solution provider. With years of industry experience and overseas export experience, we can provide reliable and comprehensive solutions for each of our customers' projects.





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Machinery, Equipment and Production Capacities

Production Capabilities

Unlimited patterns in round, square, slotted, ellipse, hexagon and a variety of complex decorative designs with patterns/text.

Aperture Range: 0.3-30mm

Maximum Sheet Width: 1.5m

Sheet Thickness Range: 0.3-30mm

Perforate in sheet or coil.

Processing Service: Shearing, Degreasing, Leveling, Knotching, Forming, Deburring, Polishing

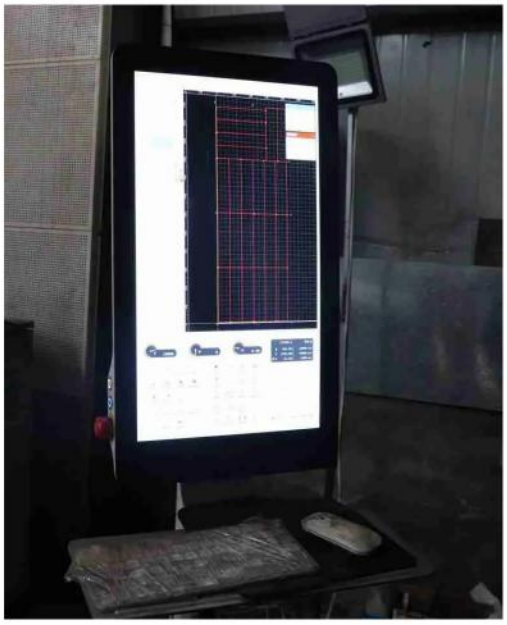
Laser Cutting Machine

Laser perforating machine mainly provides the production of complex pattern design, which acts like a pen to draw and engrave on the metal plate.

Use drawing software (such as CAD) to design the pattern or picture you want, and then import the program to the laser perforator can be output to the metal plate.

The decorative perforated metal sheets with complex pattern openings you see on our website are usually manufactured by this machine. Whether it's a custom specification or a complex design, the laser perforation machine can easily meet your heart's desire.

Additionally, our laser machines can also be used to cut metal sheets into circles, sectors, strips, squares or various irregular shapes, etc.





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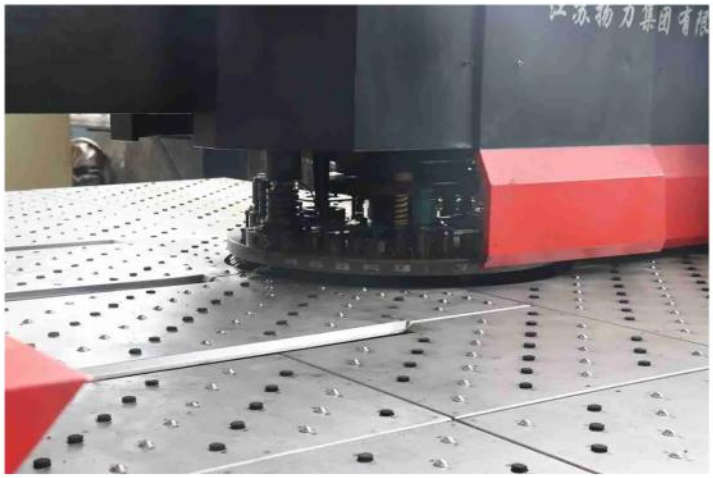
Machinery, Equipment and Production Capacities

Turret Punchig Machine

Complex pattern design and picture output need to be done by laser perforating machine, then simple graphics and irregular shape patterns can be handed over to turret perforating machine. For example Big+Small Round Holes Pattern, Checkerboard Pattern, Bubble Pattern, etc. In addition, the turret punching machine has higher precision than the general machine and can provide more standard specifications.
Our turret punching machines accept any custom pattern and hole shape, even if you have a small amount of needs.





Multifunction Punching Machine

A commonly used punching machine, it can also make simple graphics, but the precision is not as good as a turret punching machine. It has a bending function, which can handle the production with bending needs more efficiently.





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Machinery, Equipment and Production Capacities

Perforating Equipment for Rolls

A set of equipment that can make metal rolls into perforated metal rolls.





Bending Machine

Equipment for bending metal sheets. The bending of perforated metal sheets can create finished products and visual effects for different purposes. For example, perforated metal stair treads, perforated metal trays and perforated metal facades with a layered look, all use the bending process.



Shearing Machine

Equipment for bending metal sheets. The bending of perforated metal sheets can create finished products and visual effects for different purposes. For example, perforated metal stair treads, perforated metal trays and perforated metal facades with a layered look, all use the bending process.



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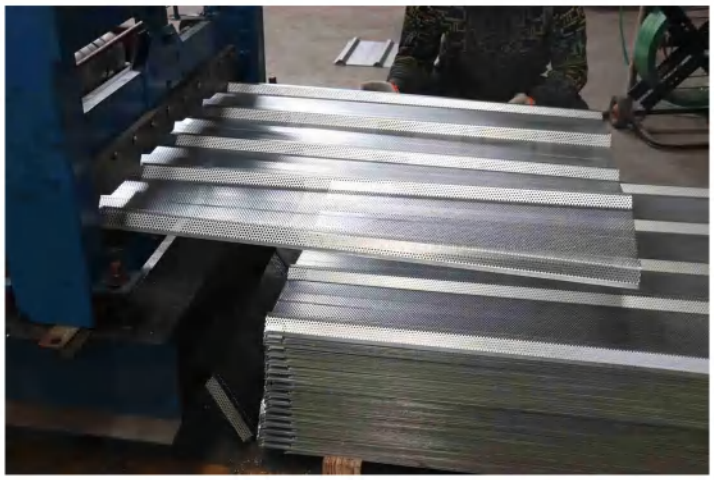
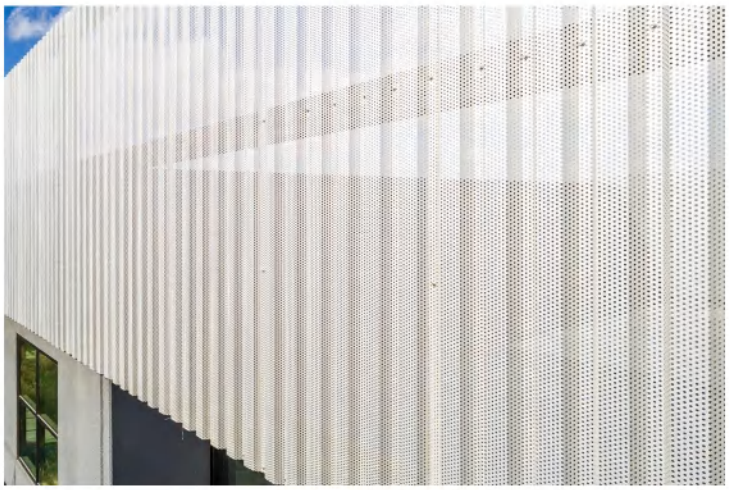
Machinery, Equipment and Production Capacities

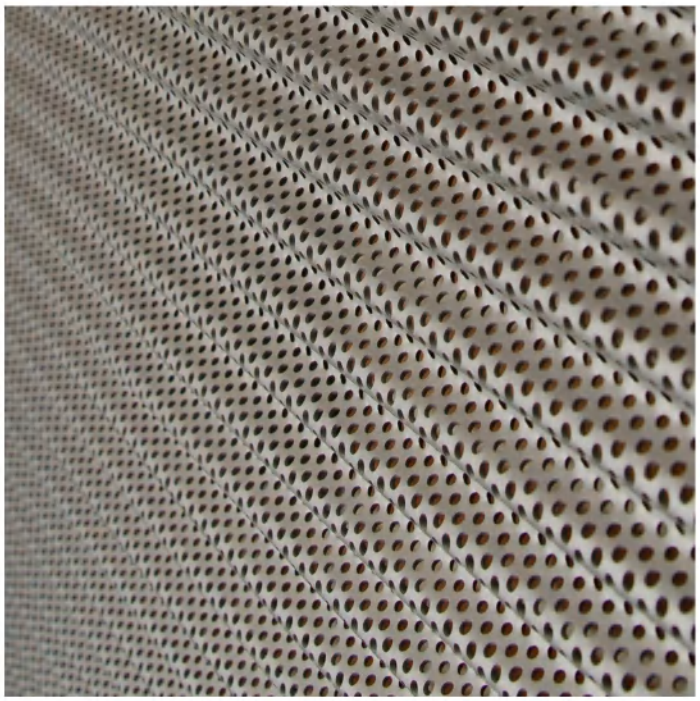
Forming Machine

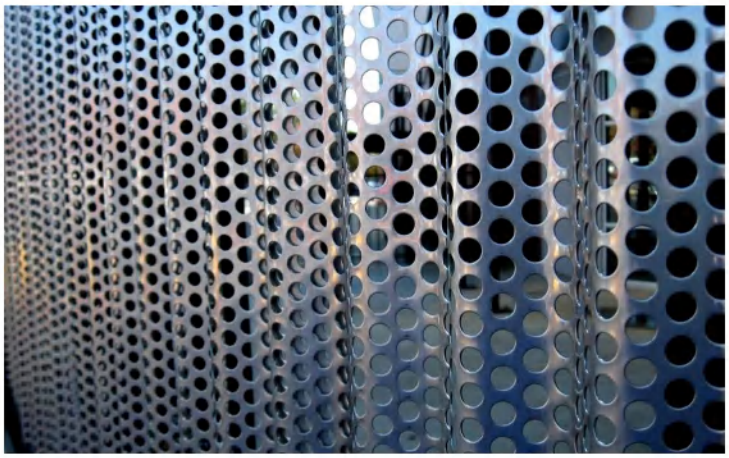
The machine can process perforated metal sheets into corrugated shapes.











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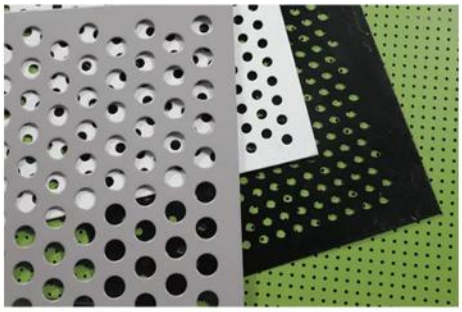
Perforated Metal Material Options

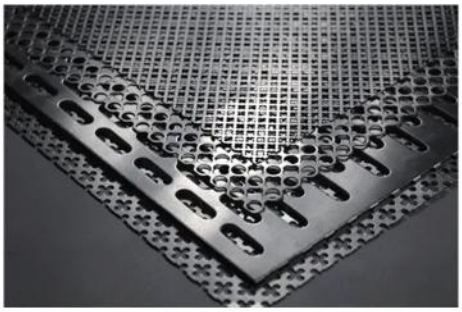
Choose the Right Perforation Material for Your Project Needs

Perforated products made from different metal materials vary in cost, performance, durability, and safety. Choosing a perforation material that corresponds to your specific needs will help your project to be completed better. We will provide detailed information on each metal material, cost, strength, properties, durability, and more. You can keep an eye on this page or tell us your specific use for the best advice.



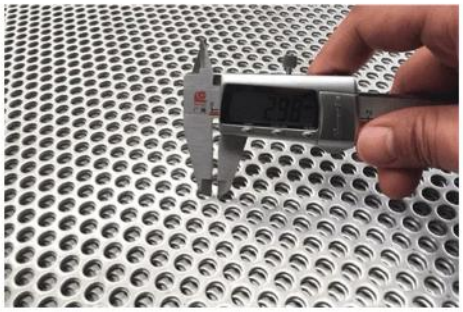
Perforated Aluminium Sheet

Lightweight, excellent formability and corrosion resistance, and cost effective, perforated aluminium sheets are the material of choice for a wide range of industries.



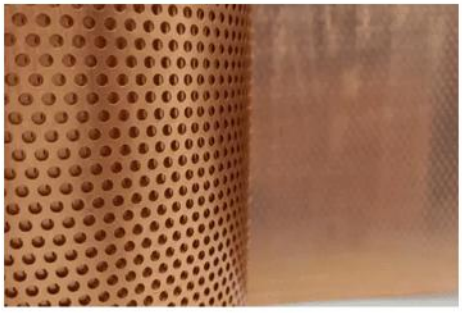
Perforated Galvanized Steel Sheet

A cost effective alternative for outdoor applications, for high strength and good corrosion resistance.



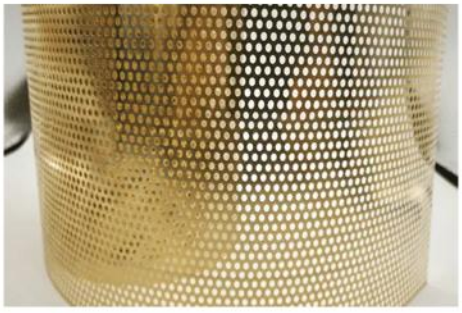
Perforated Stainless Steel Sheet

High strength material, highly resistant to corrosion and visually appealing.Suitable for functional and long-lasting structures



Perforated Copper Sheet

Copper can also be used as a building material, and while it is not as strong and hard as steel or stainless steel, the superior appearance is visually stunning.



Perforated Brass Sheet

Compared to copper, brass is alloy material, using zinc as the main additive element. This increases strength and hardness, and at the same time has excellent corrosion

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Hole Types and Patterns

Round Hole Perforated Metal Sheet

Round hole perforated metal is the simplest perforation pattern, easy to manufacture for versatility and without losing aesthetic effect. Therefore, round holes have become the most popular and most common hole type.

We offer material options for round hole perforated metals in aluminum, steel, stainless steel, and various special alloys. Standard hole sizes range from 0.027″ to 1″ in diameter. And irregular round hole patterns are also available for decorative applications.

Materials: Aluminum, Galvanized Steel, Stainless Steel, Copper, Brass, etc

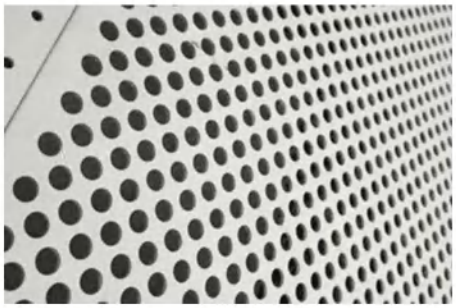
Hole Size: 0.027″ – 1.0″

Hole Centres: 0.05″ – 1.25″

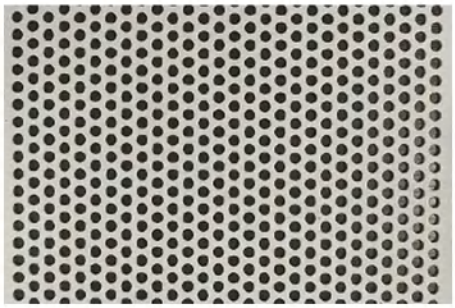
Hole Pattern: Straight rows, staggered and arbitrary patterns

Sheet Width: 24″ – 60″

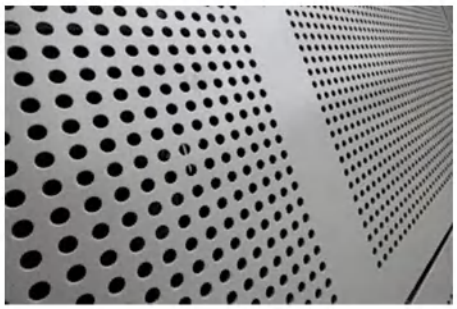
Sheet Length: 24″ – 144″



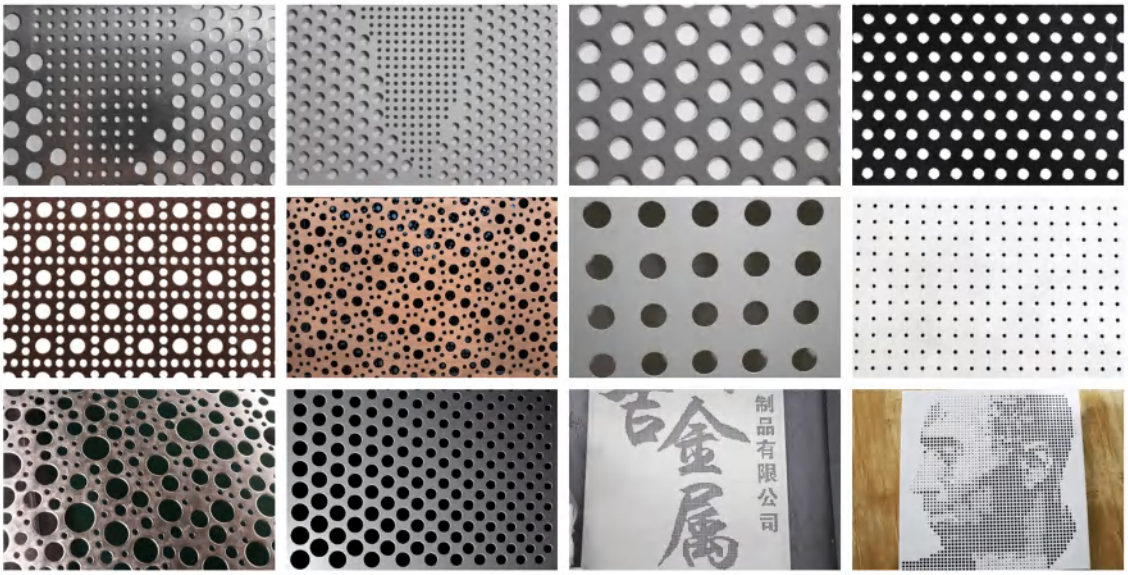
45° Staggered Round Hole



60° Staggered Round Hole



90° Staggered Round Hole



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Hole Types and Patterns

Square Hole Perforated Metal Sheet

Our square perforated metal products make your living space more modern and stylish. We specialize in metal sheet products. Our product, with square-shaped holes, offers many design and practical advantages.

Square-shaped holes provide a larger open area than round holes, making them ideal for bulkier materials. They also offer more design options and are more visually appealing than round perforations.

Materials: Aluminum, Galvanized Steel, Stainless Steel, Copper, Brass, etc

Hole Size: 0.2″ – 0.75″

Hole Centres: 0.5″ – 1″

Hole Pattern: Straight rows, staggered and arbitrary patterns

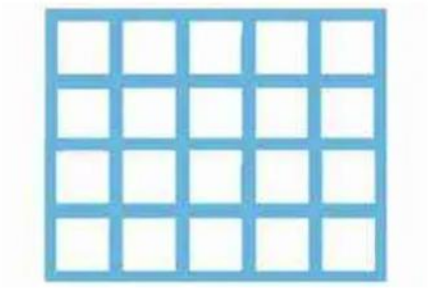
Sheet Width: 36″ – 48″

Sheet Length: 24″ – 120″

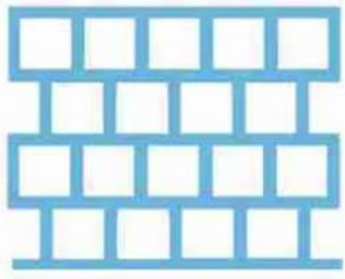
Thickness: 11 gauge – 22 gauge

Open Area: 11% – 56%

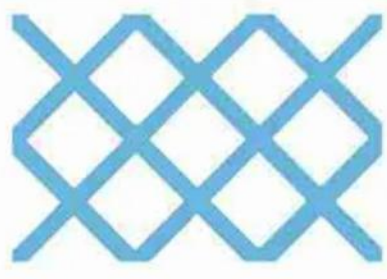
Margin Types: Safe margins or no-margins



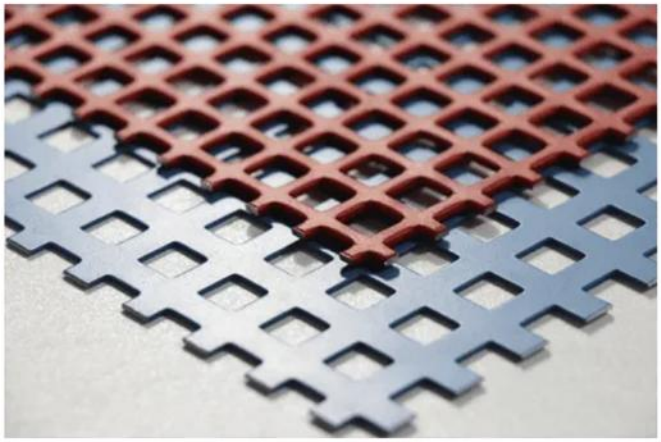
Straight Type

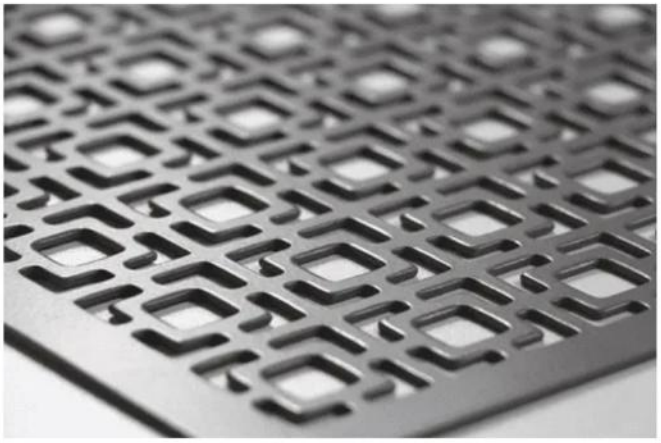


Staggered Type



Diagonal Type





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Hole Types and Patterns

Slotted (Capsule) Hole Perforated Metal Sheet

A thin and long hole shape. Slotted perforated metal pattern is an extended hole with round or square ends.

This hole shape is designed with the concept of allowing the necessary amount of material to pass through the metal sheet while maintaining the desired strength and performance characteristics.

Materials: Aluminum, Galvanized Steel, Stainless Steel, Copper, Brass, etc

Slot Width: 0.125″ – 0.2″

Slot Length: 0.1″ – 0.75″

Slot Shape: Round end and square end

Slot Side Bar: 0.125″ – 0.25″

Slot End Bar: 0.125″ – 0.25″

Hole Pattern: Straight rows, staggered and arbitrary patterns

Sheet Width: 36″ – 48″

Sheet Length: 24″ – 120″

Thickness: 14 gauge – 22 gauge

Open Area: 41% – 74%



Staggered Slotted Hole



Straight Slotted Hole

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Hole Types and Patterns

Hexagonal Hole Perforated Metal Sheet

The hexagonal perforated metal sheet is a popular choice for architectural and industrial applications because of its attractive design and considerable open areas. The hexagonal shape of the holes creates a metal honeycomb-like appearance that is eye-catching and functional.

Materials: Aluminum, Galvanized Steel, Stainless Steel, Copper, Brass, etc

Hole Size: 0.25″ – 0.5″

Hole Centres: 0.2813″ – 0.5625″

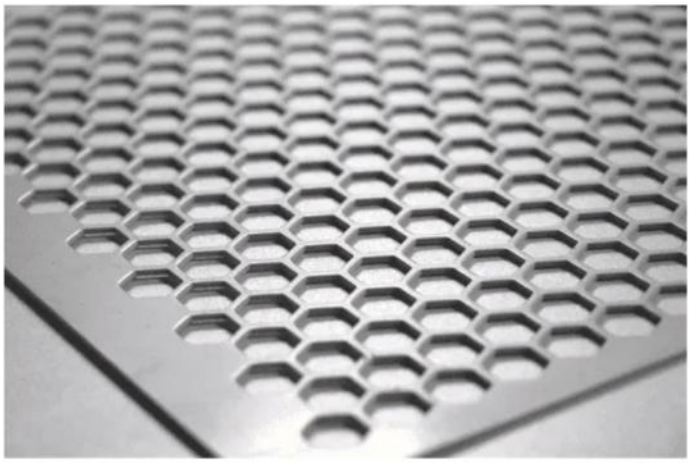
Hole Pattern: Staggered row

Sheet Width: 25″ – 48″

Sheet Length: 24″ – 120″

Thickness: 11 gauge – 22 gauge

Open Area: 35% – 80%







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Hole Types and Patterns

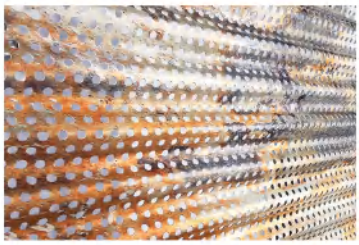
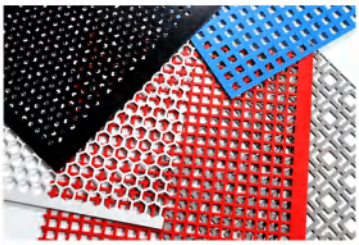
Decorative Hole Perforated Metal Sheet

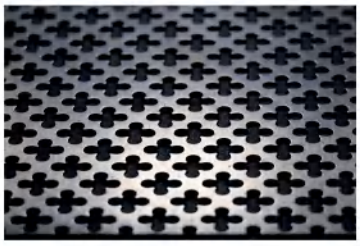
With the aid of modern equipment and technology, the designs for decorative perforated metal are almost limitless.

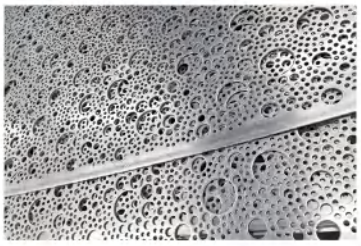
From simple arrangements of common hole patterns to geometric shapes and even complex pattern designs. Any intricate and complex architectural design requirement can be accurately created with CAD drawing and computer controlled software.

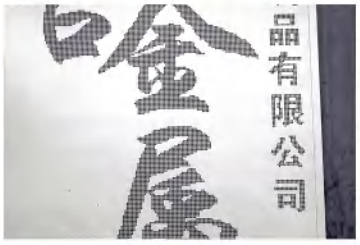
Precise perforation is then achieved on the sheet metal using advanced perforation equipment or laser equipment.

Past Work





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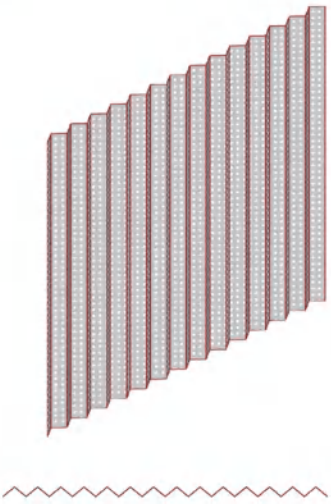
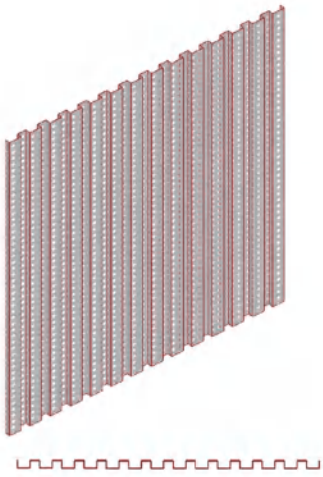
Corrugated Perforated Metal Panels

Corrugated perforated metal panel is a design choice to obtain a more attractive appearance in architectural applications. It is manufactured by forming machines – ordinary flat perforated panels are processed into corrugated panels by forming machines. In addition to the attractive appearance, we offer corrugated perforated panels with improved strength and superior noise control.

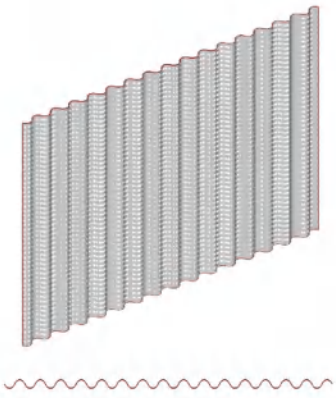
Corrugation Types



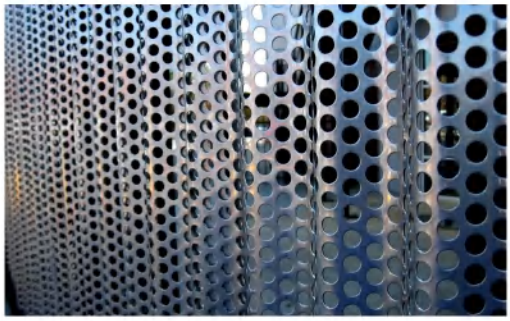
Bending Type

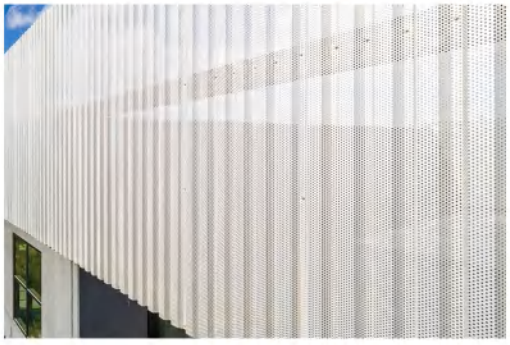


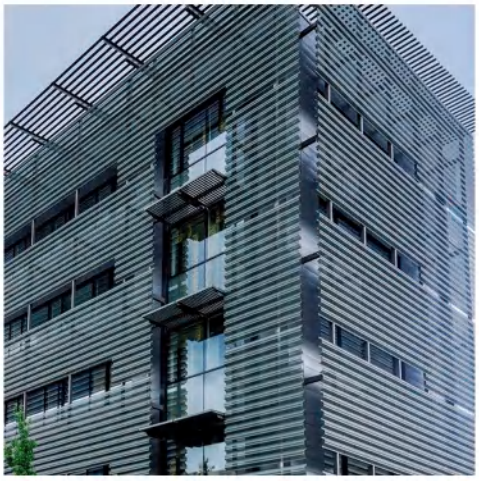
Convex Type



Corrugated Type











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Perforated Metal Applications

Facades and Cladding Panels

The decoration of building facades increasingly needs to be creative and sustainable; simple materials and structures are no longer sufficient to meet the demands for aesthetic and high-end architecture.

Perforated metal panels are an environmentally friendly decorative material that meets the requirements of most modern buildings. Especially when used as a building façade and cladding, it is a product that can combine function with aesthetics.

If you are looking for such material for upgrading or redesigning a building project. Then perforated metal panels are definitely a solution that you should try.










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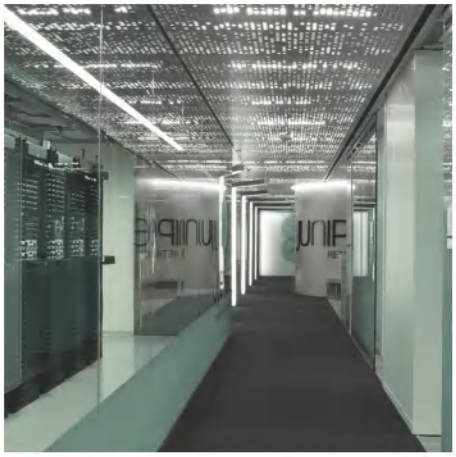
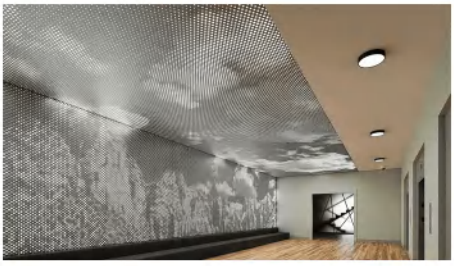
Perforated Metal Applications

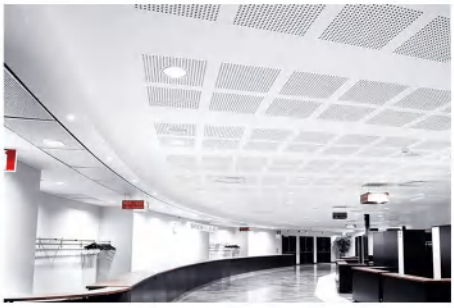
Perforated Metal Ceiling Tiles

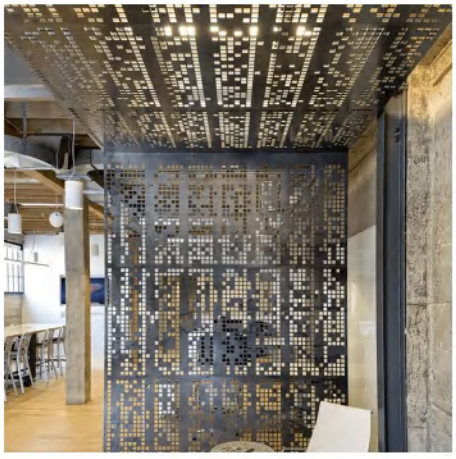
Using aluminum metal ceilings can improve the lighting in a room, as light reflecting from the walls and other surfaces pass through the holes of the roof and back into the room, mainly when daylight is limited.

Because it has several unique properties for construction projects, like easy installation and removal, modular design, easy maintenance, excellent fire prevention, sound absorption, etc., perforated metal ceiling tiles are distinctive from other materials.

Consider using perforated ceiling materials to add a modern touch when a place or space is designed or renovated.





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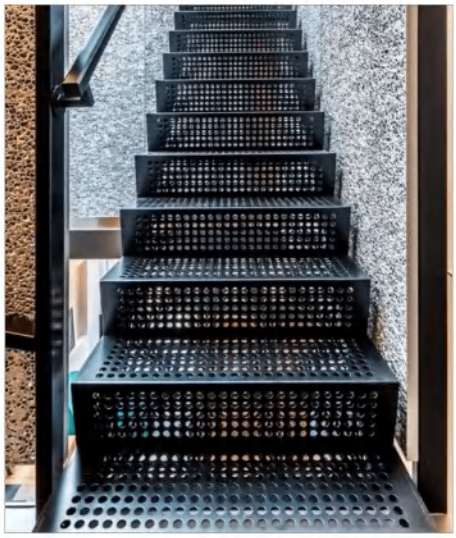
Perforated Metal Applications

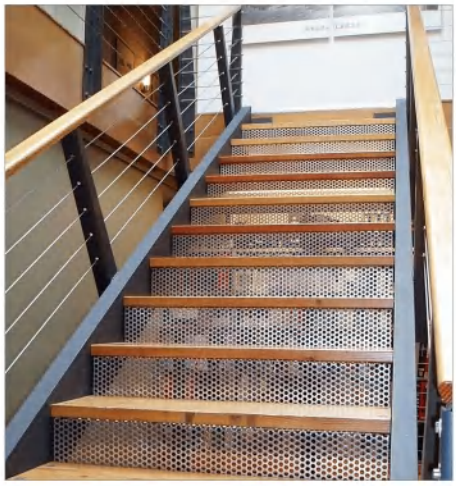
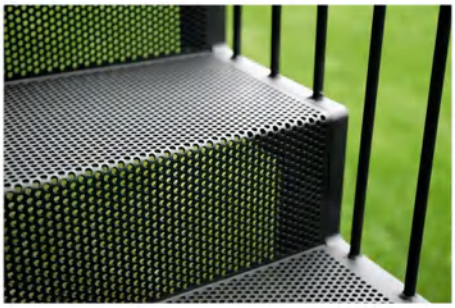
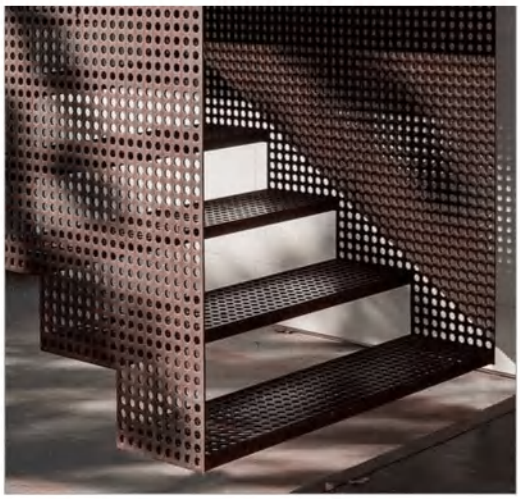
Perforated Metal Stair Treads

Perforated metal sheets can also be used for stair treads. Safety, durability, cleanability, and aesthetics are its unique qualities.

Stairs are used for stepping, and especially in places with a large flow of people, the practicality of stairs is even more important. A simple slip or even a damaged tread can bring people's lives in danger, so the design of stairs should first consider its safety and durability.

Perforated metal stairs meet both of these needs well and are ideal for any indoor or outdoor staircase because of their unique features. It guarantees safety, enhances durability, reduces maintenance costs, and can be designed to enhance the visual appeal of the place.



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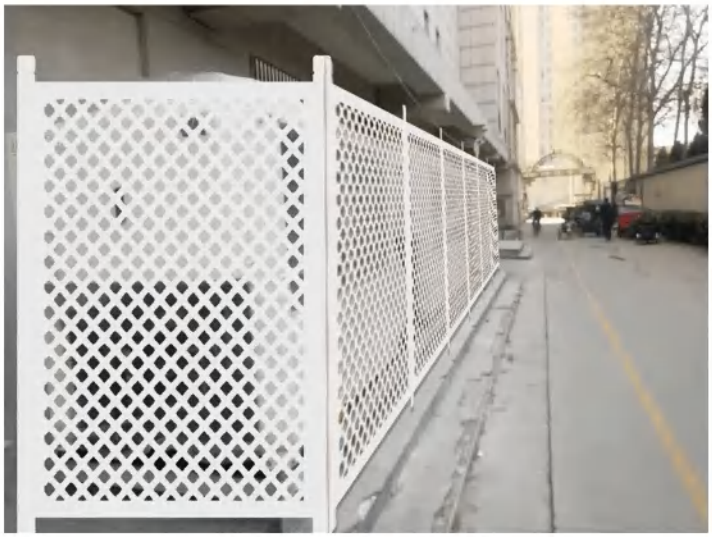
Perforated Metal Applications

Perforated Metal Fence

From the structural point of view, the perforated metal fence is not much complicated, the post, frame, and perforated metal panel can form a set of fence. But it adds a charm to architectural projects that other traditional fences don't have.

Privacy, security, aesthetics, environmental adaptability, and more are all benefits of perforated metal fencing. All of these benefits come into play when incorporating perforated metal fencing into your residential or commercial property.









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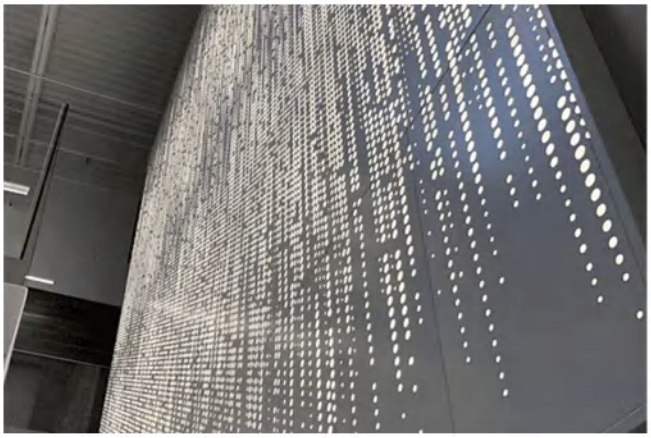
Perforated Metal Applications

Perforated Metal Screen Panels

Perforated metal screens in most architectural applications provide different functions and diverse appearances. From the most intuitive decoration to hidden effects, perforated screens are the best material choice for many common functions of buildings.

Decorative Perforated Metal Screens
Perforated Metal Wall Screen Sections
Perforated Metal Screen Doors
Perforated Metal Window Screens
Perforated Metal Screen Facades
Perforated Metal Rainscreen Systems
Perforated Metal Screen Partition Panels
Perforated Metal Screen Privacy Panels





Perforated Metal Screen Privacy Panel



Increase the Aesthetics of the Building Structure



Perforated Metal Window Screen



Perforated Metal Wall Screen

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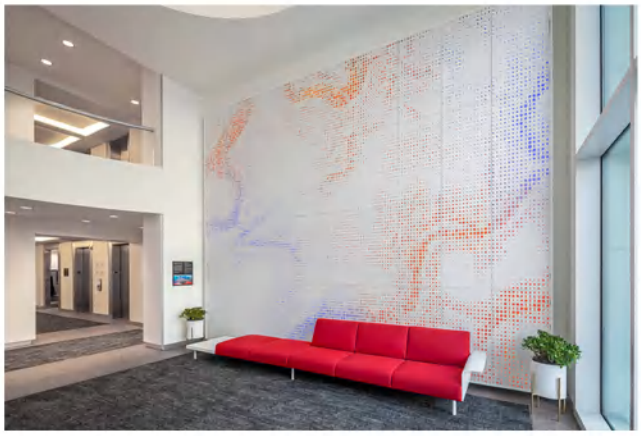
Perforated Metal Applications

Perforated Metal Wall Panels

Perforated metal wall panels are the need of the hour. Global architectural and technological advancements are forcing us to turn towards sustainable and eco-friendly materials.

The size of the holes in the decorative metal sheets can be customized according to the ventilation requirements of the architectural building. It also allows light, air and is also energy efficient.

Apart from their durability, long life service and sustainable nature, decorative metal panels consume little resources and gives more functionality.









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Perforated Metal Applications

Perforated Metal Cabinet Door Inserts

The kitchen is the centre of the home, it is the place where all the warmth and satisfaction are centered. As you know, " Happiness is homemade "

And obviously, it is made in your kitchen where, " The secret ingredient is always love"

So, we are supposed to give maximum importance to the kitchen and its essentials like kitchen cabinets. Numerous materials can be used to make customized kitchen cabinet door inserts including wood, plastic, metal, and a combination as well.

But whatever option you like, perforated metal cabinet door inserts are the most decorative and functional material option.









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Perforated Metal Applications

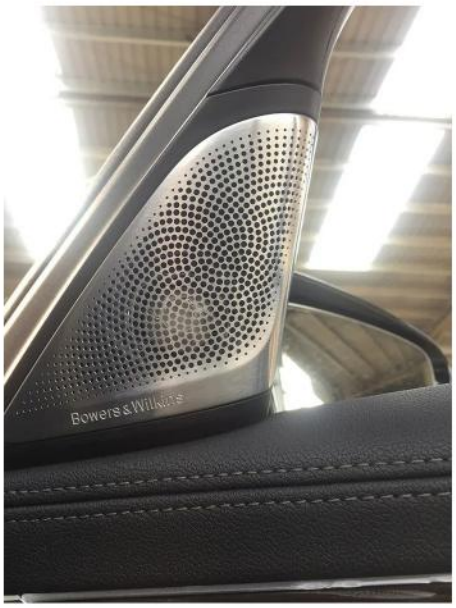
Perforated Metal Speaker Grills

We know that the sound-optimizing properties of the perforated metal are popular in the construction sector. So did you know that it is also an essential material in acoustic equipment? For example, perforated metal speaker grilles seem to be seen in the sound outlets of many electronic devices.

Speaker grills made of perforated metal can improve the appearance and performance of audio equipment. It can protect the sensitive internal components of audio equipment from contamination and damage without preventing sound from being emitted.















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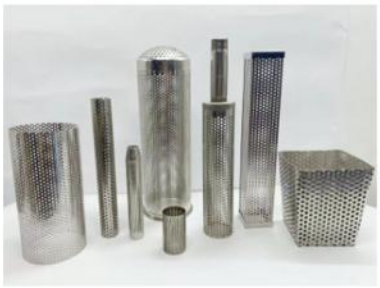
Perforated Metal Applications

Perforated Metal Filter

Perforated metal filters are made by machining perforated metal sheets into some specific shapes and then welding them by suitable welding methods. These filter components are most commonly made of stainless steel, but can also be made of aluminum, carbon steel and some alloy plates. They are then electrolytically polished (stainless steel), galvanized, sandblasted, pickled and passivated. This makes the surface smooth and flat and more resistant to corrosion.



Various Shapes of Perforated Filters



Square Hole Woven Mesh Filter



Perforated Sintered Metal Filter Cartridges



Twill Welded Round Hole Filter Cartridge



Square Hole Cylinder with a Layer of Woven Mesh



Round Hole Perforated Filter Cartridge



Square Hole Square Cylinder



Small Hole Round Hole Filter Tube



Perforated Metal Filter Cartridge

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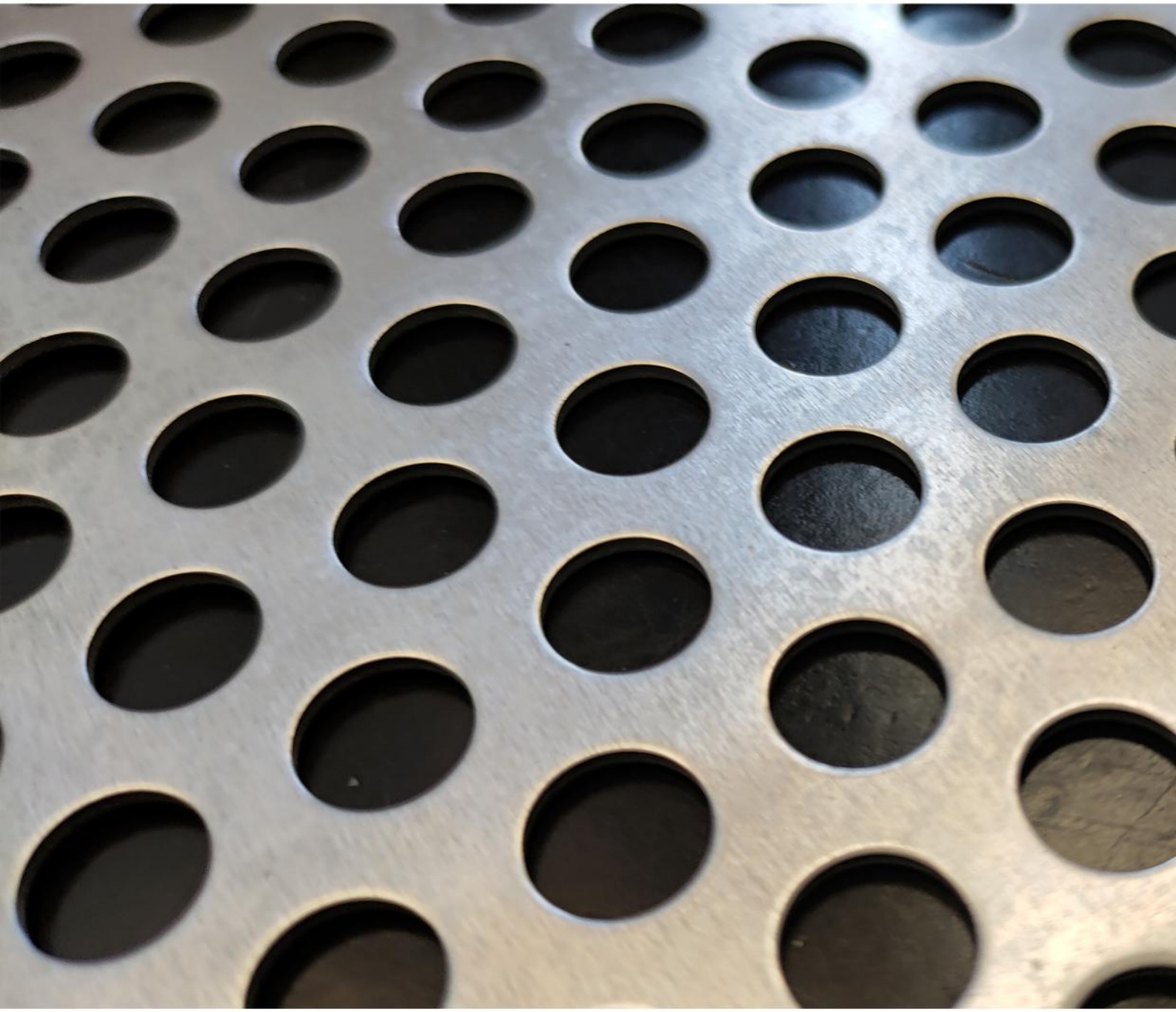

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