

ANPING TAILONG

HARDWARE&WIRE MESH PRODUCTS CO.,LTD

TLWY[®]
TaiLong Fence



LASER-CUT FENCE

LASER-CUT PERIMETER SECURITY FENCE



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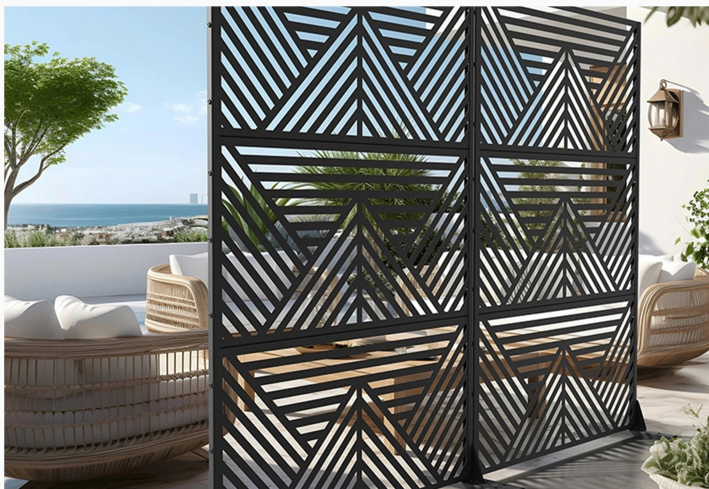


No.19, Jingsi road,
high-tech-industrialdevelopment
zone, Anping, Hebei, China



Laser-Cut Perimeter Security Fence

A high-precision perimeter security fence manufactured by advanced laser cutting technology. It features smooth, burr-free cut edges and customizable patterns (geometric, decorative, or anti-climb designs) while maintaining excellent structural strength. Suitable for residential compounds, commercial premises, industrial zones, parks, and high-end property perimeter protection, combining security, aesthetics, and durability.





DESCRIPTION

Materials: Mild steel, galvanized steel, 304/316 stainless steel, aluminum alloy

Sheet Thickness: 1.0mm – 8.0mm
(common: 2.0mm – 5.0mm)

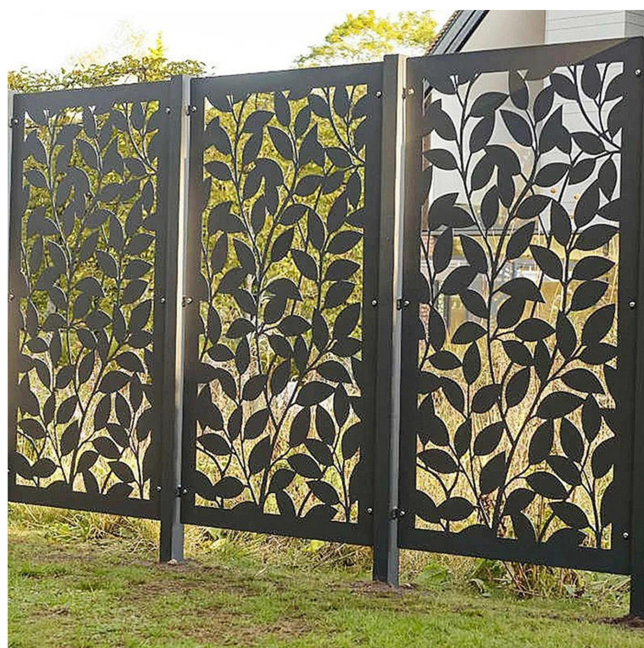
Panel Dimensions: Standard width: 1.0m – 2.5m;
Standard height: 1.2m – 3.0m
(custom sizes available)

Laser Cutting Precision: $\pm 0.1\text{mm}$

Pattern Options: Anti-climb mesh, decorative geometric patterns, custom logos, rectangular/square openings
(size: 5mm \times 5mm – 50mm \times 50mm)

Surface Treatment: Hot-dip galvanizing, electrostatic powder coating (RAL colors available), stainless steel polishing

Service Life: ≥ 15 years (galvanized steel),
 ≥ 20 years (304 stainless steel)

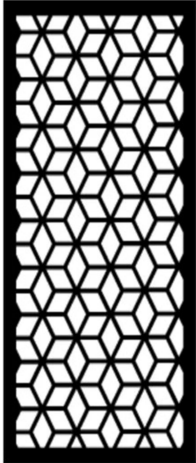




CATEGORY

Pick Your Design

You can also send us your own design, we can customize it for you



LCP-01



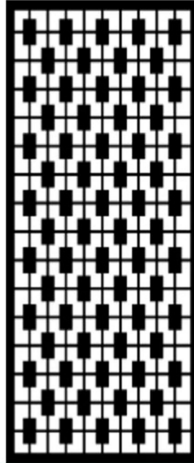
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LCP-03



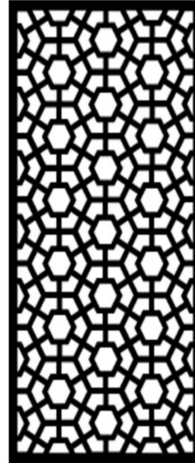
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LCP-05



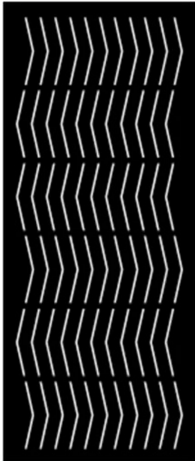
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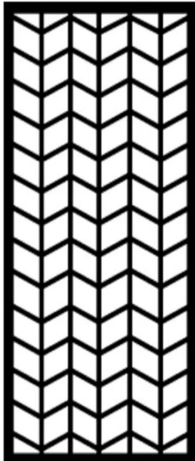
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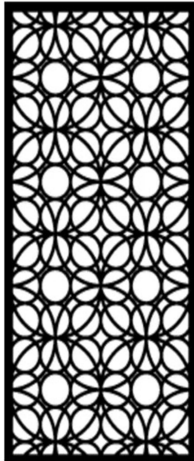
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LCP-09



LCP-10



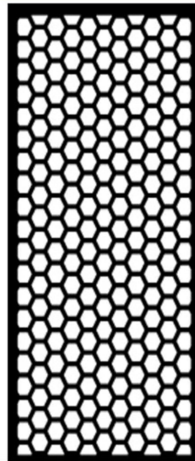
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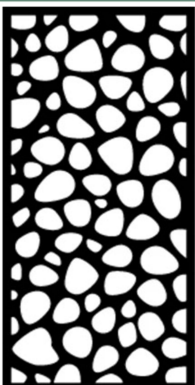
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LCP-14



LCP-15



LCP-16



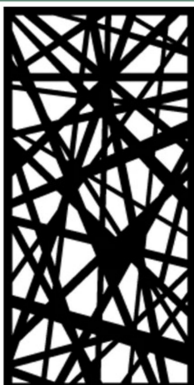
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LCP-18



LCP-19

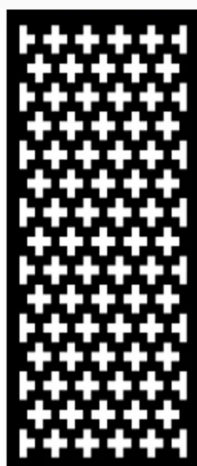


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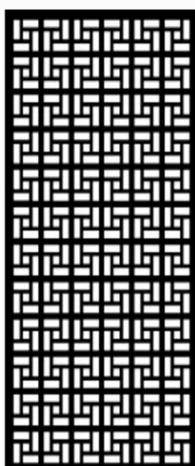


LCP-21

CATEGORY



LCP-22



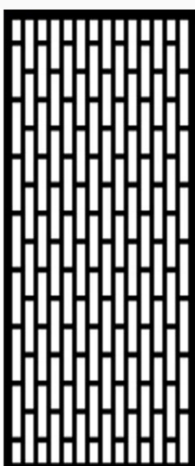
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LCP-24



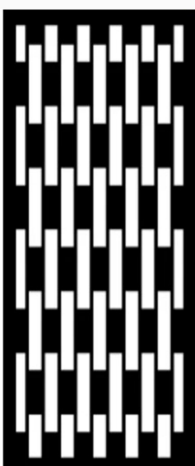
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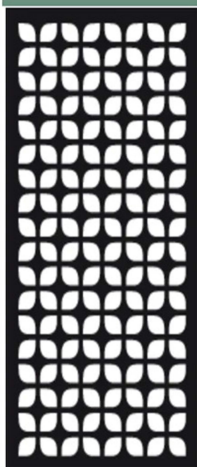
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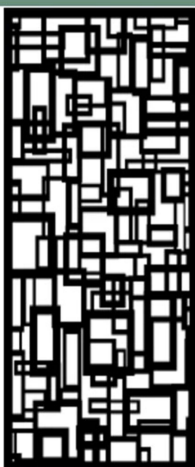
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LCP-28



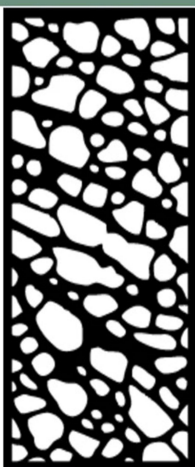
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LCP-30



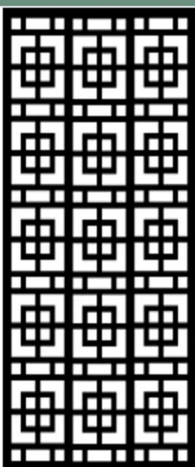
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LCP-32



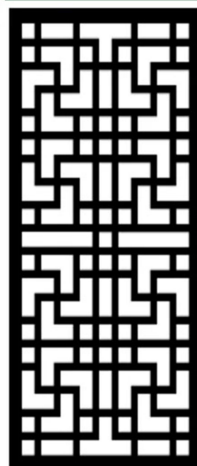
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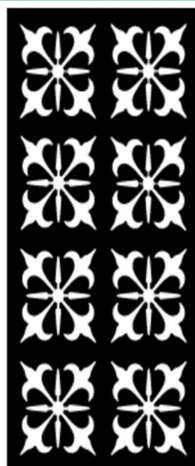
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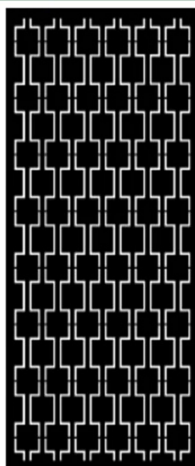
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LCP-36



LCP-37



LCP-38



LCP-39



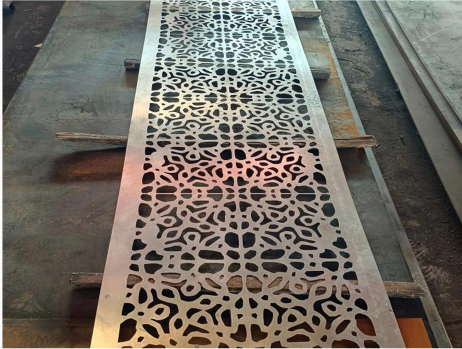
LCP-40



CATEGORY

Surface Treatment

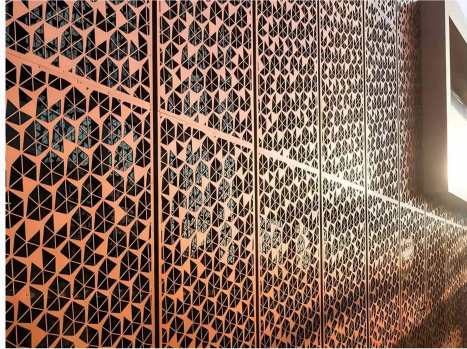
Brushed, Polished, Powder Coated, PVDF



Brushed



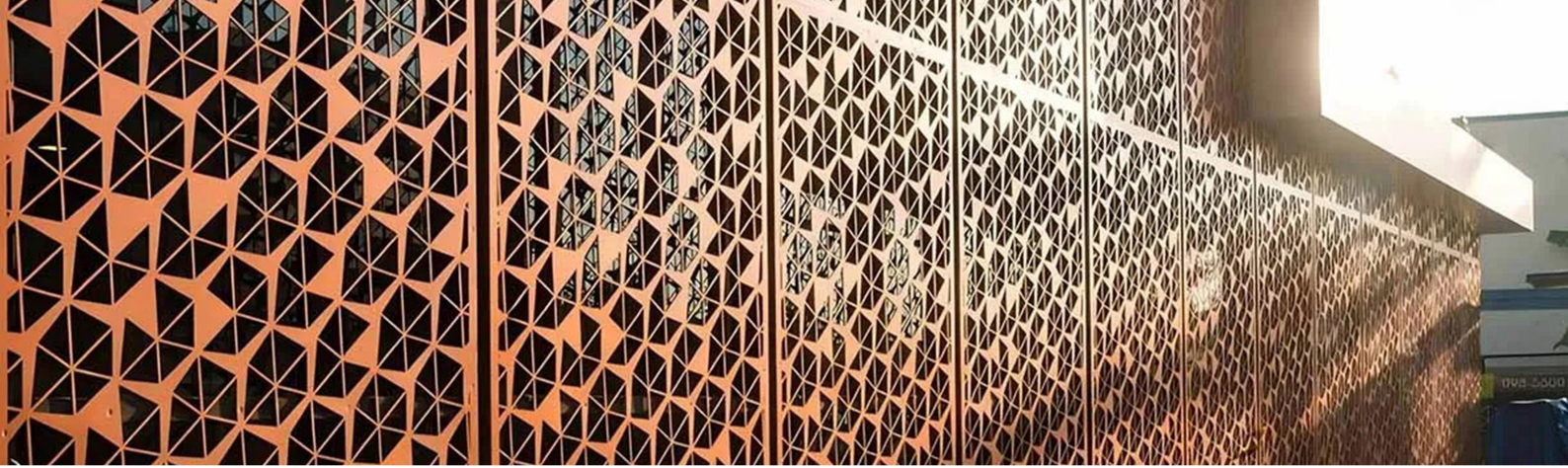
Polished



Powder-Coating



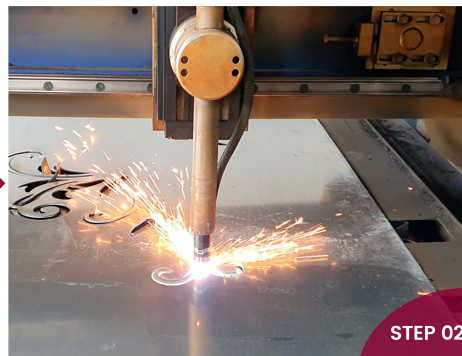
PVDF



Production Flow Chart



Raw Materials



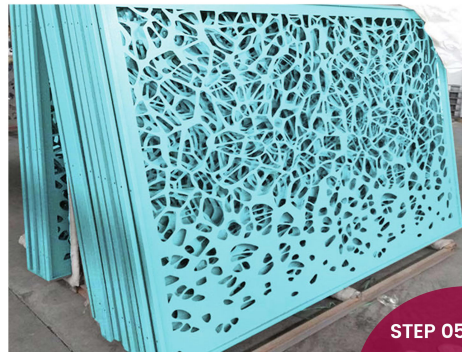
Laser Cutting



Deburring



Power Coating



Finish

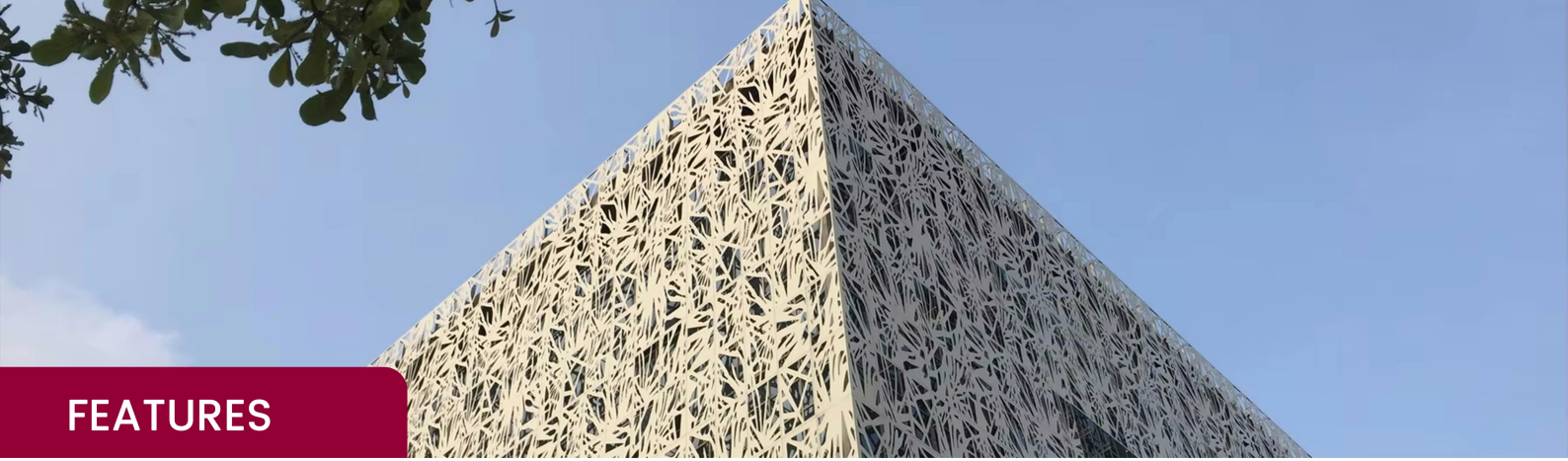
Package & Delivery



PACKAGE



DELIEVRY



FEATURES

✔ High-Precision Cutting

High Precision: Laser cutting technology offers extremely high cutting precision, typically reaching $\pm 0.1\text{mm}$. This means that the dimensions of each component in the fence are highly accurate, with clean cut edges that meet design requirements.

Complex Shape Cutting: Laser cutting can easily handle complex and intricate patterns and shapes. For fences requiring complex engravings or detailed designs, laser cutting ensures that every detail is precisely presented.

✔ Adaptability to Various Materials

Material Diversity: Laser cutting technology is suitable for a wide range of materials, including carbon steel, stainless steel, aluminum alloy, copper, and galvanized sheet. Therefore, laser-cut fences can be made from different materials to meet various environmental and durability requirements.

Wide Thickness Range: Laser cutting can handle materials ranging from thin to thick plates, which is especially important for fences requiring robust structures.

✔ Less Heat-Affected Zone

Low Heat Affected Zone: Compared to traditional cutting methods (such as flame cutting or plasma cutting), laser cutting has a smaller heat-affected zone, minimizing deformation or impact on the surrounding structure. This preserves the original properties of the fence material, especially important for high-strength metals.

✔ Enhanced Aesthetics

Exquisite Appearance: Laser cutting can achieve very detailed and complex pattern engraving, making the fence not only highly functional but also aesthetically pleasing. This makes laser-cut fences a high-end decorative product that meets the needs of modern urban landscape and garden design.

✔ Smooth Cut Edges, No Post-Processing Required

Burr-free Cutting: During laser cutting, the high temperature of the laser beam rapidly melts the metal material, resulting in a smooth cut surface after cooling. This eliminates the need for subsequent deburring or trimming, saving tedious steps.

Good Surface Quality: The cut metal surface is smooth, suitable for fence designs requiring an aesthetically pleasing and refined appearance.

✔ Reduced Material Waste

High-Precision Cutting Path: Laser cutting offers high path precision, minimizing raw material waste. Optimizing the cutting path and material layout improves material utilization and reduces production costs.

Fine Cutting: Due to the focusing power of the laser beam, the cutting width is very small, meaning material savings and more efficient cutting of multiple parts.

✔ Improved Product Consistency

High Consistency: Laser cutting is precisely controlled by a Computer Numerical Control (CNC) system, avoiding errors from manual operation and ensuring highly consistent quality for every fence component.

Stability in Mass Production: For mass production, laser cutting guarantees consistent quality standards for each fence unit, preventing quality fluctuations.

✔ High Speed and Efficiency

High Production Efficiency: Laser cutting machines operate at high speeds, making them particularly suitable for mass production. Even complex designs can be completed in a short time.

Automated Operation: Laser cutting is typically equipped with automated control systems, reducing manual operation and improving production efficiency and product consistency.

✔ Flexible Design and Customization

High Flexibility: Laser cutting is not limited by complex designs and can achieve fences of any shape, size, and style. Whether it's a simple straight cut or intricate artistic patterns and embossed effects, laser cutting technology can achieve it.

Customized Production: Laser cutting can be customized to meet specific customer needs. Whether it's the shape and size of the fence, or decorative patterns, everything can be precisely generated through design files.

✔ Environmental Protection and Safety

Environmentally Friendly: The laser cutting process is cleaner, generating less noise and waste. While the use of high-temperature lasers produces some fumes, modern laser cutting equipment is equipped with fume extraction systems, effectively reducing environmental pollution.

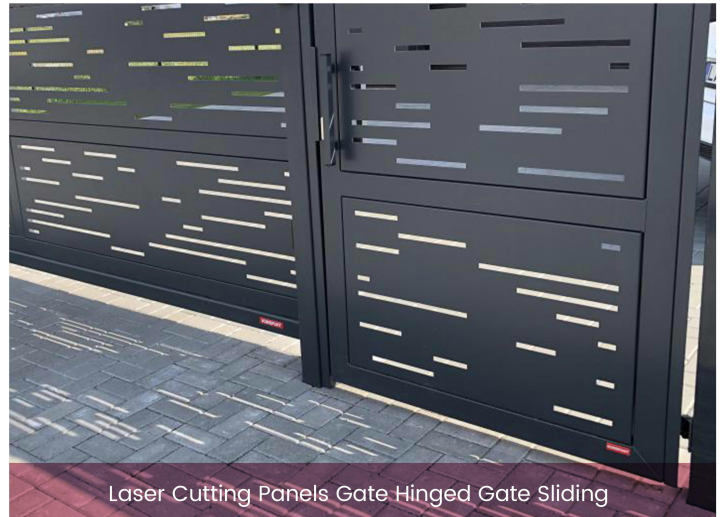
High Safety: Because laser cutting is precisely controlled, operators do not need to directly contact the material being cut, reducing safety hazards during operation.



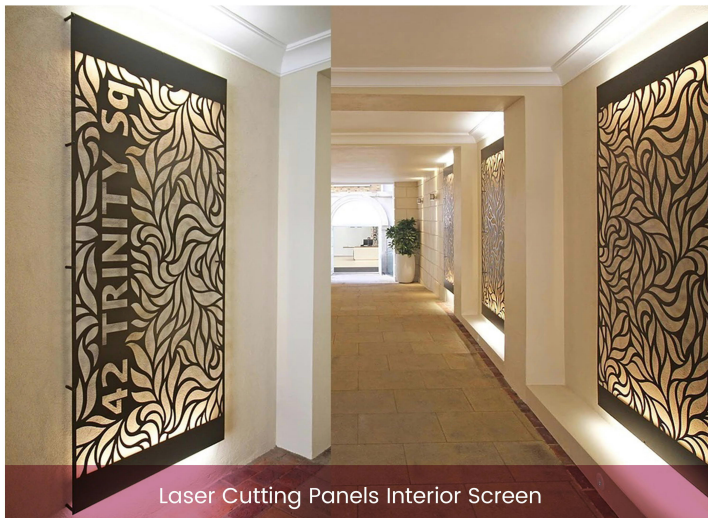
APPLICATION



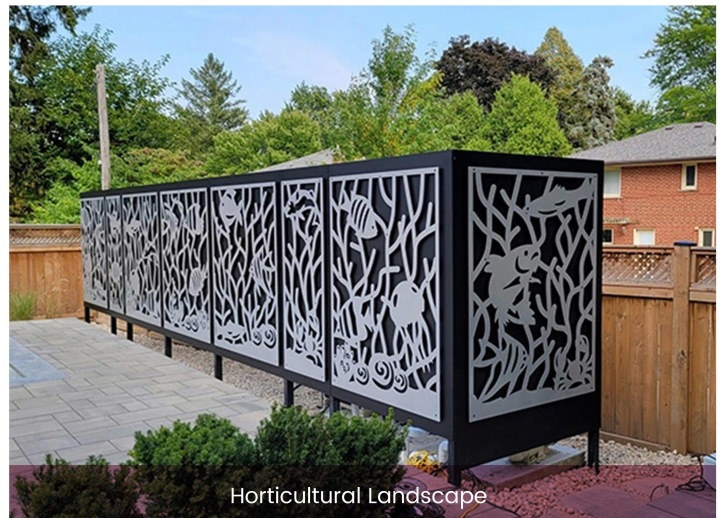
Laser Cutting Panels Curtain Wall Wall Facades



Laser Cutting Panels Gate Hinged Gate Sliding



Laser Cutting Panels Interior Screen



Horticultural Landscape



Laser Cut Metal Fence Panels



Outdoor Fence



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