

ANPING TAILONG

HARDWARE&WIRE MESH PRODUCTS CO.,LTD

TLWY[®]
TaiLong Fence



LASER-CUT PERIMETER SECURITY FENCE
LASER-CUT FENCE



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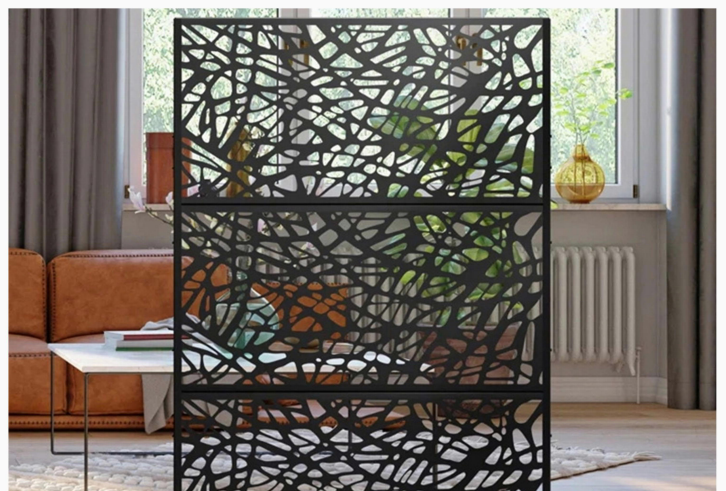
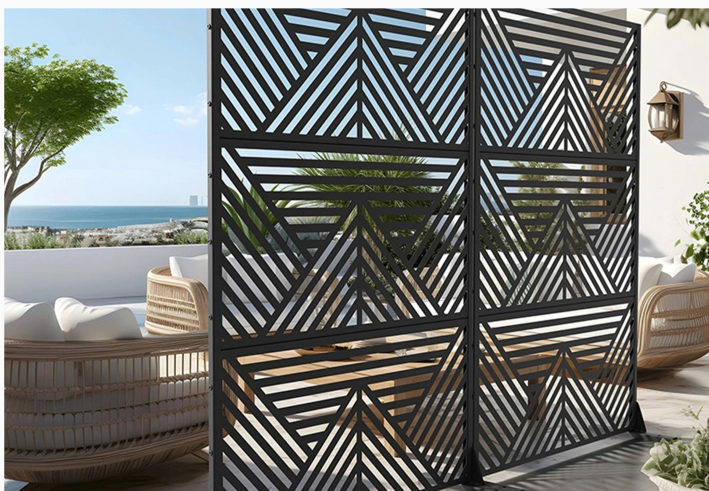
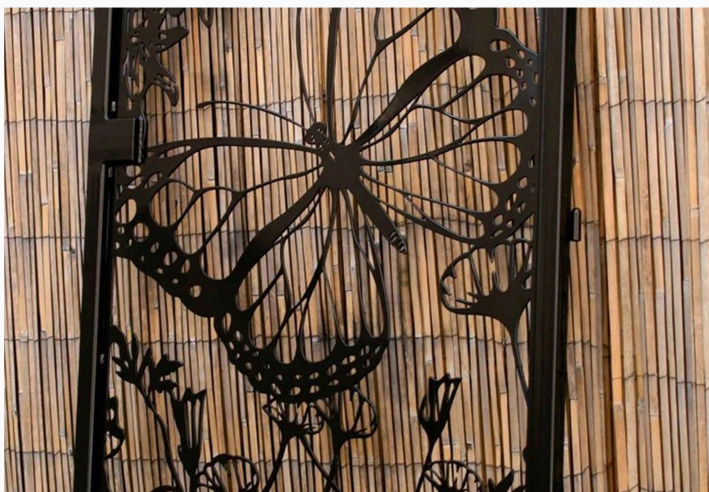


No.19, Jingsi road,
high-tech-industrial development
zone, Anping, Hebei, China



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.





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

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

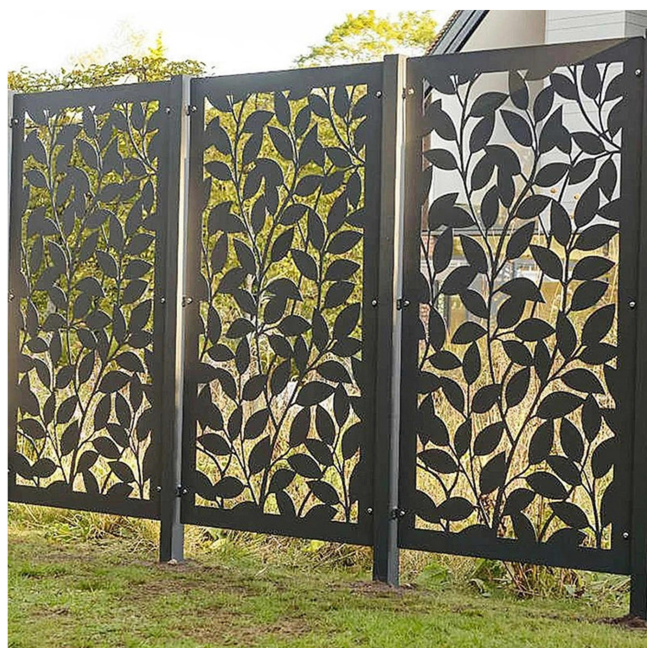
Panel Dimensions: Standard width: 1.0m – 2.5m;
Standard height: 1.2m – 3.0m
(custom sizes available)

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

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





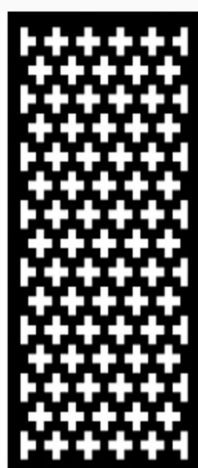
CATEGORY

Pick Your Design

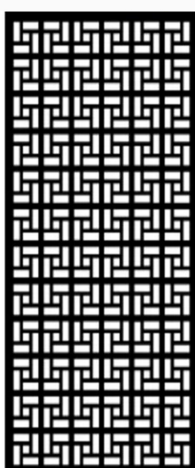
You can also send us your own design, we can customize it for you

LCP-01	LCP-02	LCP-03	LCP-04	LCP-05	LCP-06	LCP-07
LCP-08	LCP-09	LCP-10	LCP-11	LCP-12	LCP-13	LCP-14
LCP-15	LCP-16	LCP-17	LCP-18	LCP-19	LCP-20	LCP-21

CATEGORY



LCP-22



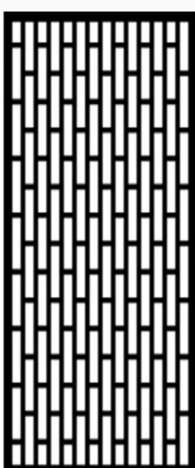
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LCP-24



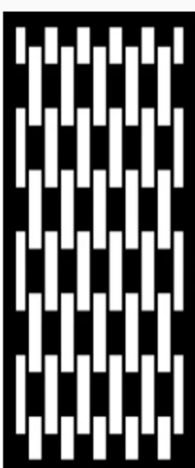
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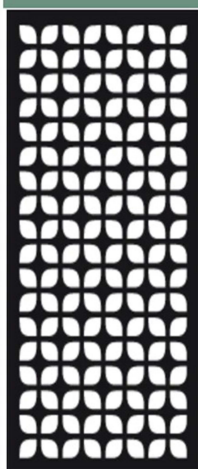
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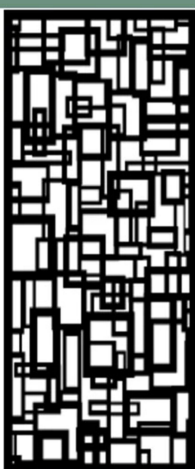
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LCP-28



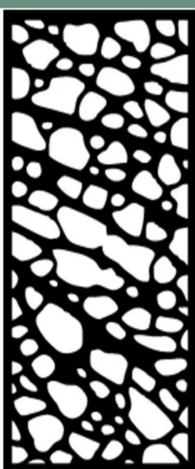
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LCP-30



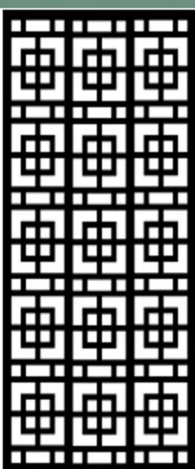
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LCP-32



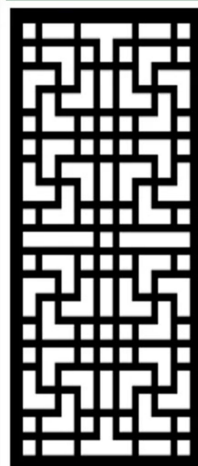
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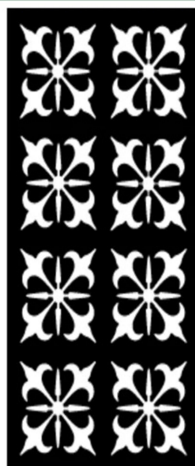
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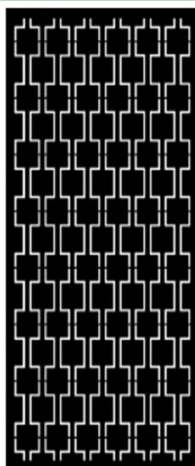
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LCP-36



LCP-37



LCP-38



LCP-39



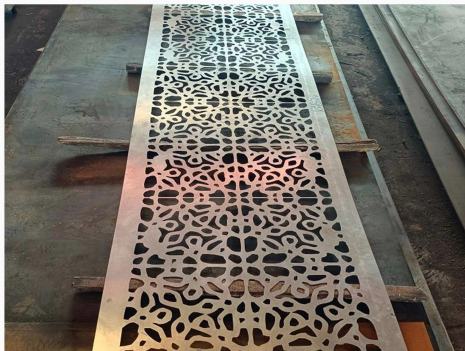
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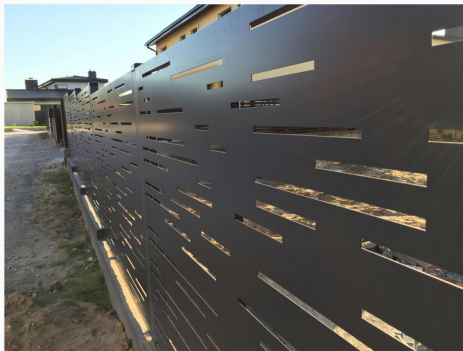
CATEGORY

Surface Treatment

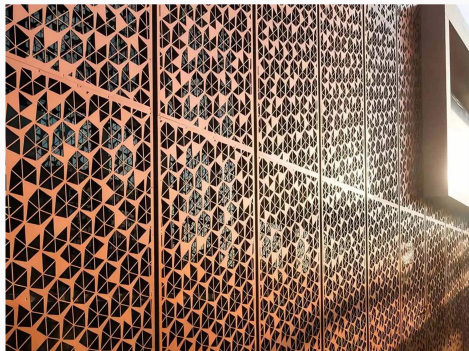
Brushed, Polished, Powder Coated, PVDF



Brushed



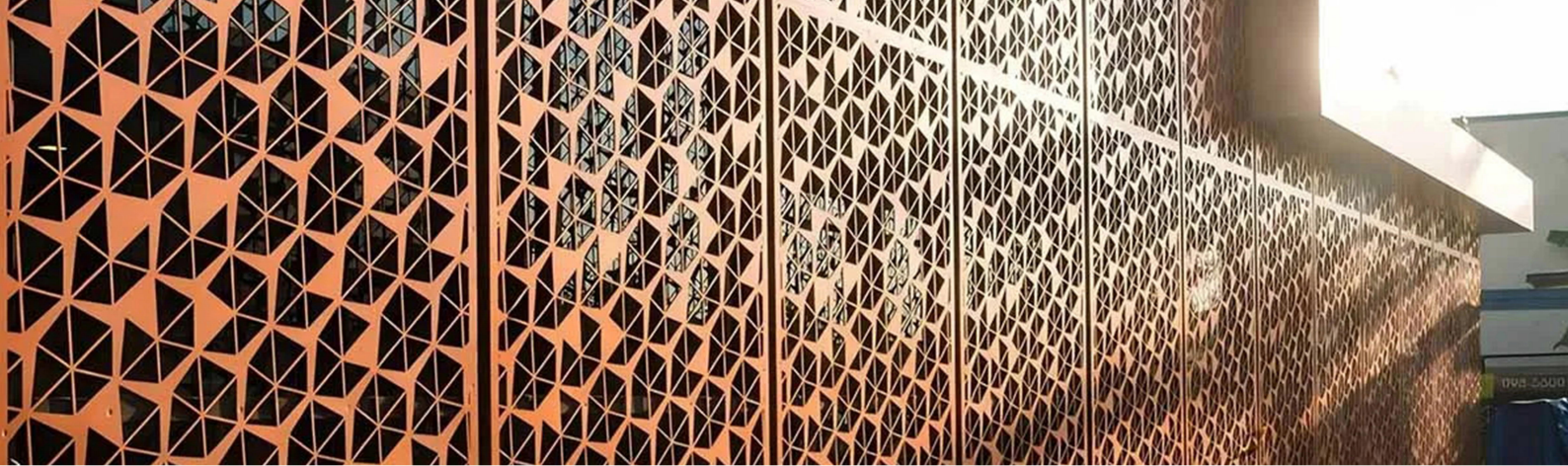
Polished



Powder-Coating



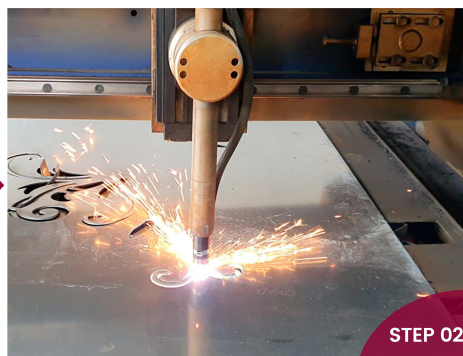
PVDF



Production Flow Chart



Raw Materials



Laser Cutting



Deburring



Power Coating



Finish

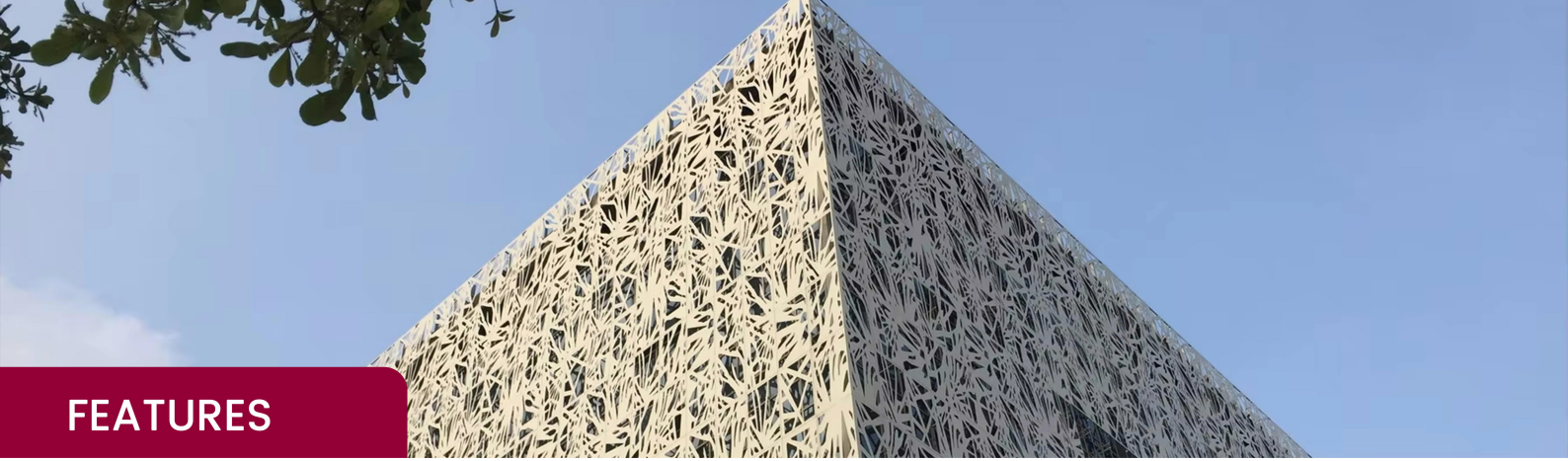
Package & Delivery



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

Burlet-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

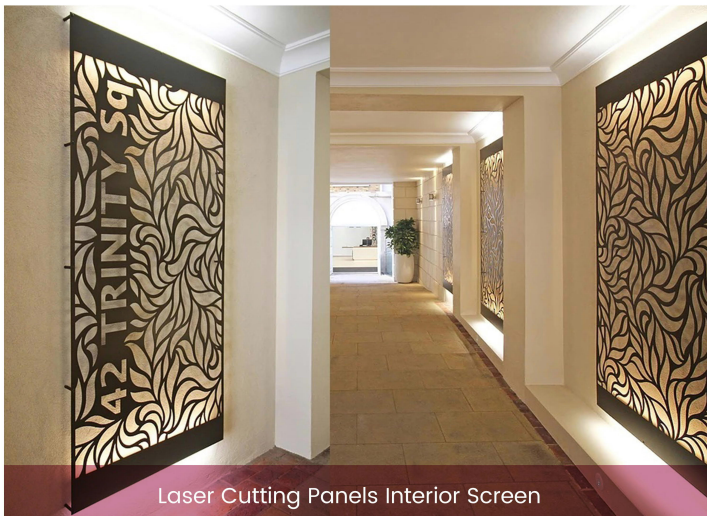
High Flexibility: Laser cutting is not limited by complex designs and can achieve fences of any shape, size, and style. Whether it's a simple straight cut or intricate artistic patterns and embossed effects, laser cutting technology can achieve it.

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.





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