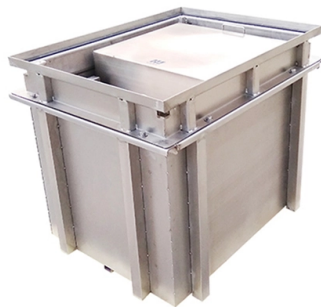


Leather Fiber Straight Melting Plate



Article Overview

A straight melting plate is a flat support surface used in laser cutting leather and fiber materials to prevent burn marks, warping, and uneven edges while allowing clean, precise cuts.

Purpose and Function

A leather fiber straight melting plate serves as a stable base for leather or fabric during laser cutting or engraving. Its main functions include:

- Heat management: Prevents heat from reflecting back into the material, reducing scorch marks and carbonization.
- Material stability: Keeps leather or fiber flat, avoiding curling or fluttering that can distort cuts.
- Smoke and debris control: Allows smoke to escape, minimizing yellowing or frayed edges .

Best Practices for Use

- Avoid direct metal contact: Never place leather or fabric directly on a solid metal plate, as heat bounce can scorch the material .
- Use perforated or honeycomb plates: These allow airflow underneath the material, stabilizing it and reducing smoke accumulation .
- Airflow management: Combine the plate with side-blow or bottom extraction to sweep away smoke and molten fibers, ensuring clean edges.
- Focus and speed adjustments: For delicate fibers, slightly defocus the laser (0.3-0...

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