

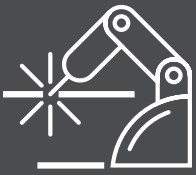
# مصنع المنصورة لأعمال الحدادة

## AL MANSOORA STEEL FACTORY



**AL MANSOORA STEEL FACTORY**

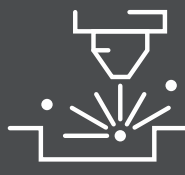
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+96599599371



Fabrication  
&  
Welding

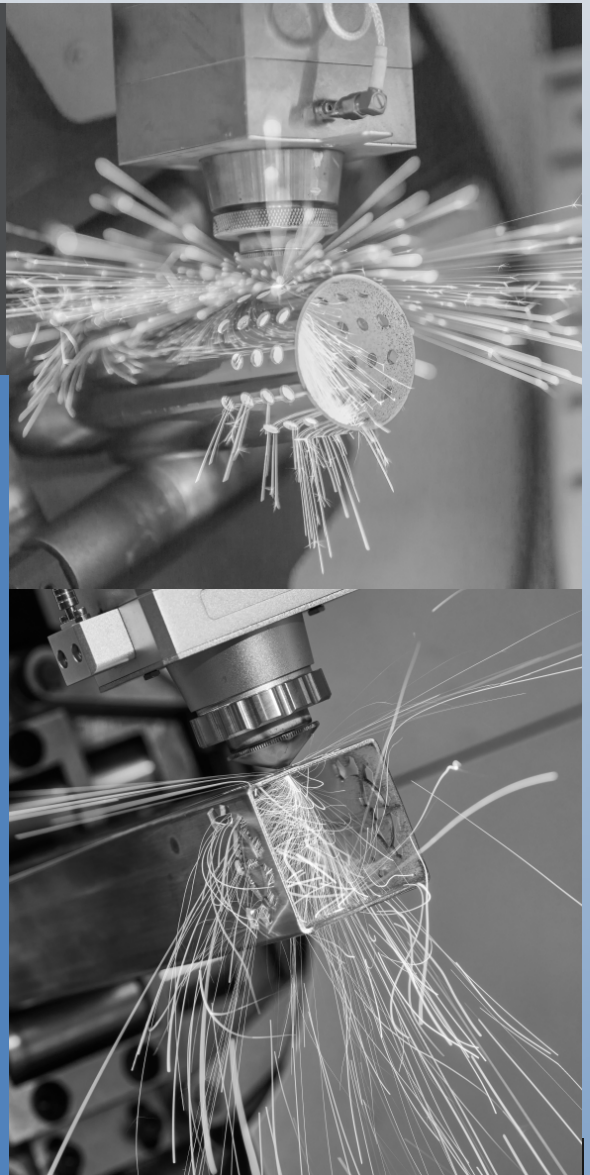


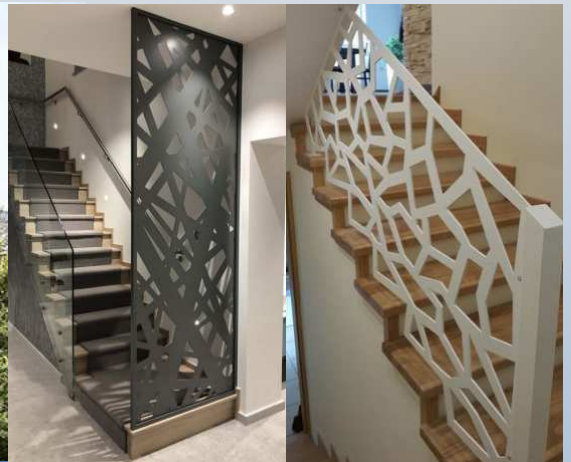
Cutting  
&  
Bending



Laser Cutting  
&  
Water-Jet Cutting

Al Mansoorah Steel provides companies across a number of industries with industrial laser cut and water jet cutting services for pipes, sheets and other profiles.





Al Mansoor provides design and production of products in different aspect of building, whether residential or commercial. You can use one of the glamorous pattern from our library, or request us to design a unique product for you.

**Uses cases in construction:**

- Building facade
- Guard and fence
- Stepped Ceiling
- Interior Design





## LASER CUTTING

Laser cutting is a sophisticated and highly precise manufacturing process that employs a concentrated laser beam to cut through various materials with exceptional accuracy. This technology is widely utilized in industries ranging from manufacturing to design due to its versatility and ability to produce intricate designs. Laser cutting involves directing a focused laser beam through optics to a specific point on the material, where it melts, burns, or vaporizes the material.

We have 2K Fibre Laser with a (2mtr x 6mtr) and (1.5mtr x 3mtr) cutting bed with precise cutting and minimal material wastage.





## WATER-JET CUTTING

Water-jet cutting is a cutting-edge machining technique that employs a focused stream of high-pressure water, often infused with abrasive particles, to precisely and efficiently cut through a diverse range of materials. Renowned for its versatility, this technology excels in intricate designs and tight tolerances while avoiding heat-affected zones and material distortion.

What We Cut?

alloys    marble

**titanium**    **aluminum**    **steel**

**granite**    copper    composites    **tile**

plastic    cardboard

inconel    **stone**    acrylic

ceramic    rubber    **stainless steel**

**bronze**    graphite    **wood**

**laminates**    foam    **and much more...**

carbon fiber

Our Waterjet..

- ▶ 2mtr x 6mtr Cutting area
- ▶ 60000psi high speed KMT® Pump
- ▶ Cutting Tolerance of +/-0.003"



## SHEARING & BENDING

Cutting and bending of metals are fundamental processes in metalworking, integral to the fabrication of diverse products across industries. The cutting phase involves the separation of metal sheets or rods using methods like shearing, sawing, or advanced techniques such as plasma and laser cutting. On the other hand, bending transforms metal into desired shapes through processes like press brake bending, roll bending, and hot bending, crucial for forming components with specific angles or curves. These processes are vital in manufacturing, enabling the creation of precise and customized metal parts essential for applications ranging from construction to aerospace.



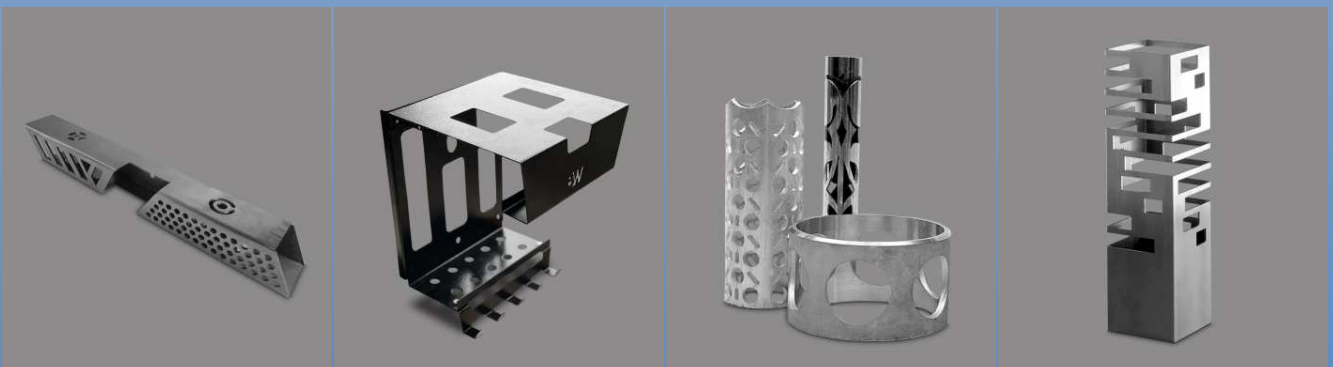
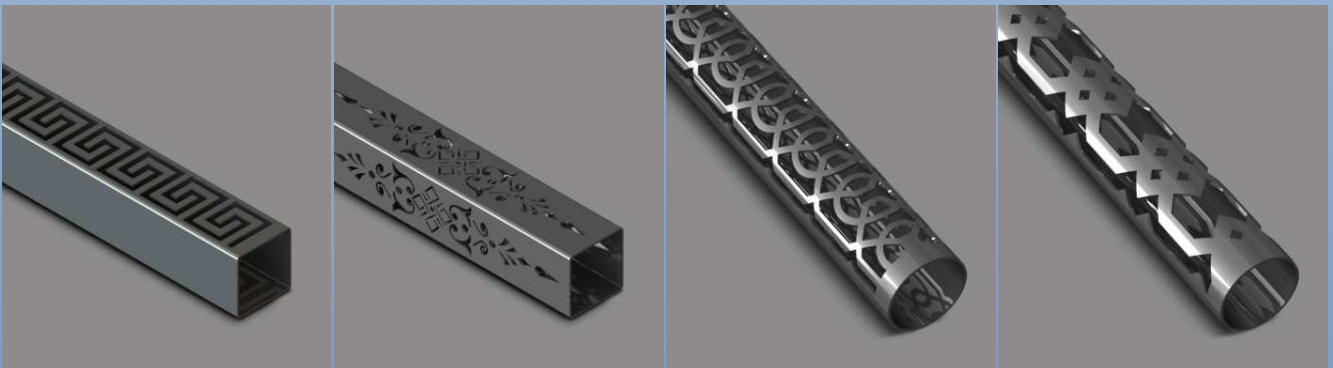
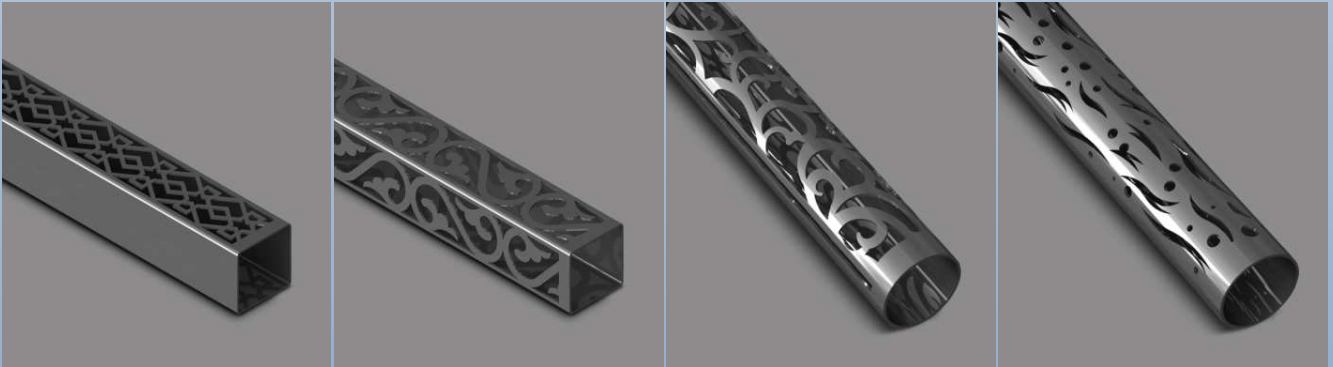
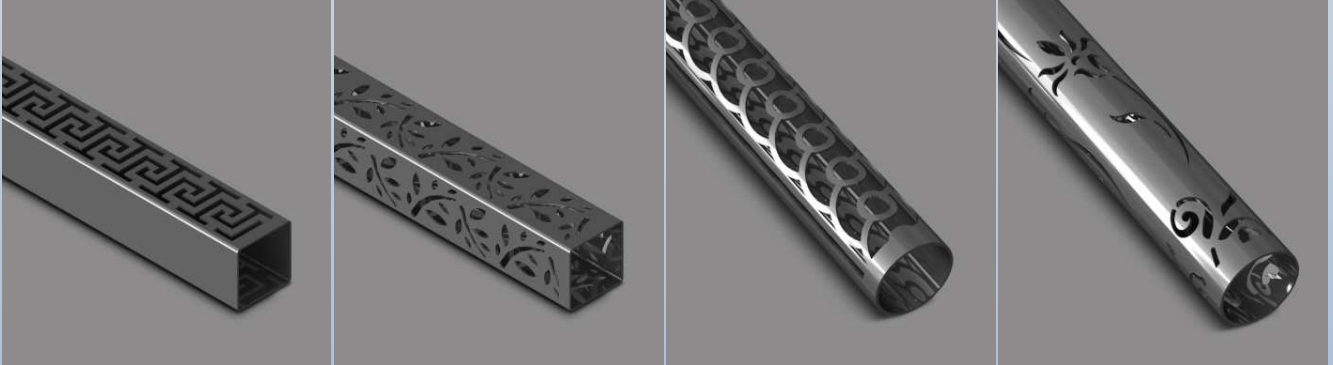
### Hydraulic Bending

- Bending Length 3100cm
- Bend accuracy and repeatability at least five-fold higher than a conventional press brake
- Material Thickness unto 6mm Mild steel and 3mm Stainless Steel



### Hydraulic Shearing

- Cutting Length 3100cm
- Material Thickness unto 6mm Mild steel and 3mm Stainless Steel





# PIPE AND PROFILE PATTERN LIBRARY



PP001



PP002



PP003



PP004



PP005



PP006



PP007



PP008



PP009



PP010





## PIPE AND PROFILE PATTERN LIBRARY



PP011



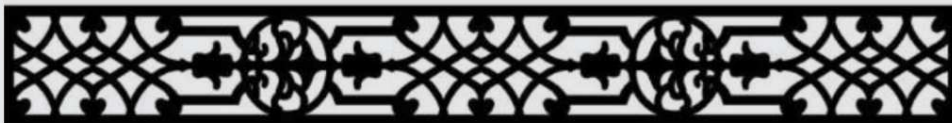
PP012



PP013



PP014



PP015



PP016



PP017



PP018



PP019



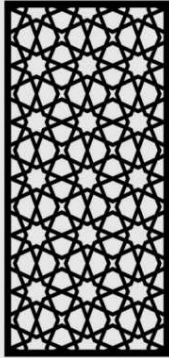
PP020



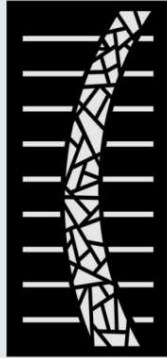
# SHEET METAL PATTERN LIBRARY



SM001



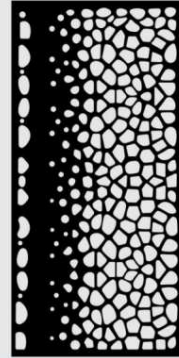
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SM003



SM004



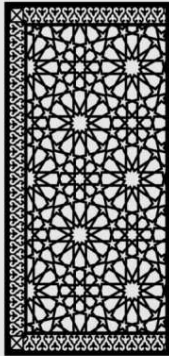
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SM006



SM007



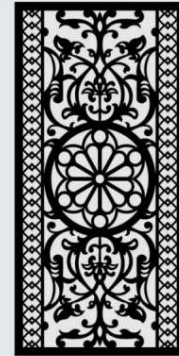
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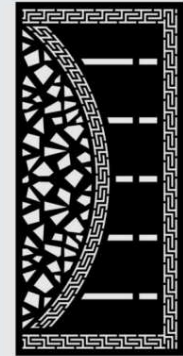
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SM010



SM011



SM012



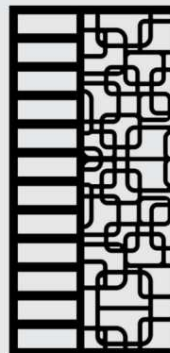
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SM014



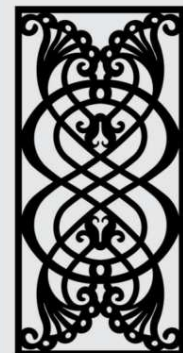
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SM016



SM017



SM018



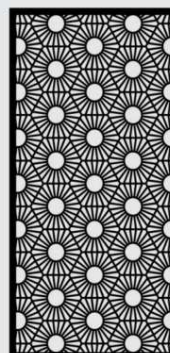
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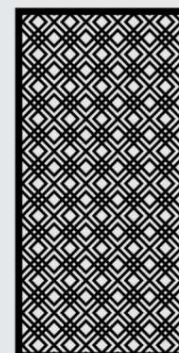
SM020



SM021



SM022



SM023



SM024



# SHEET METAL PATTERN LIBRARY



SM025



SM026



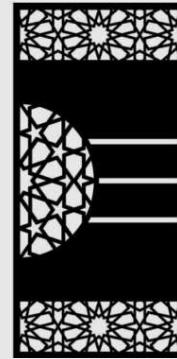
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SM028



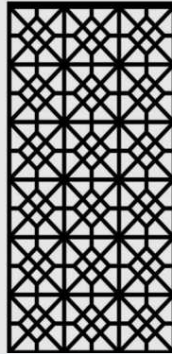
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SM030



SM031



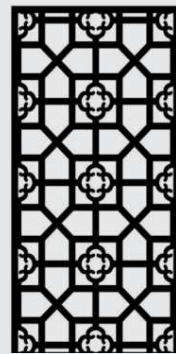
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SM033



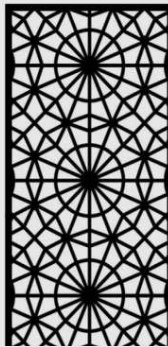
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SM035



SM036



SM037



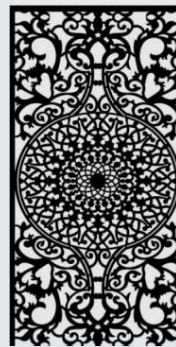
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SM039



SM040



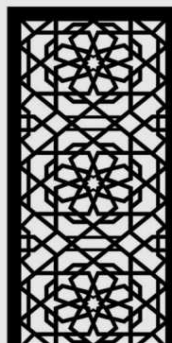
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SM042



SM043



SM044



SM045



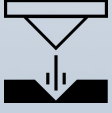
SM046



SM047



SM048



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