



BLMA-Laser Cutting Machine

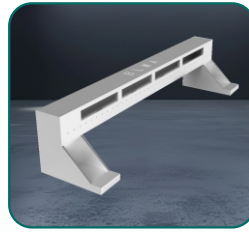


www.blmacnc.com
www.blmacnc.ru

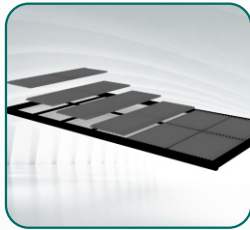
Laser Head



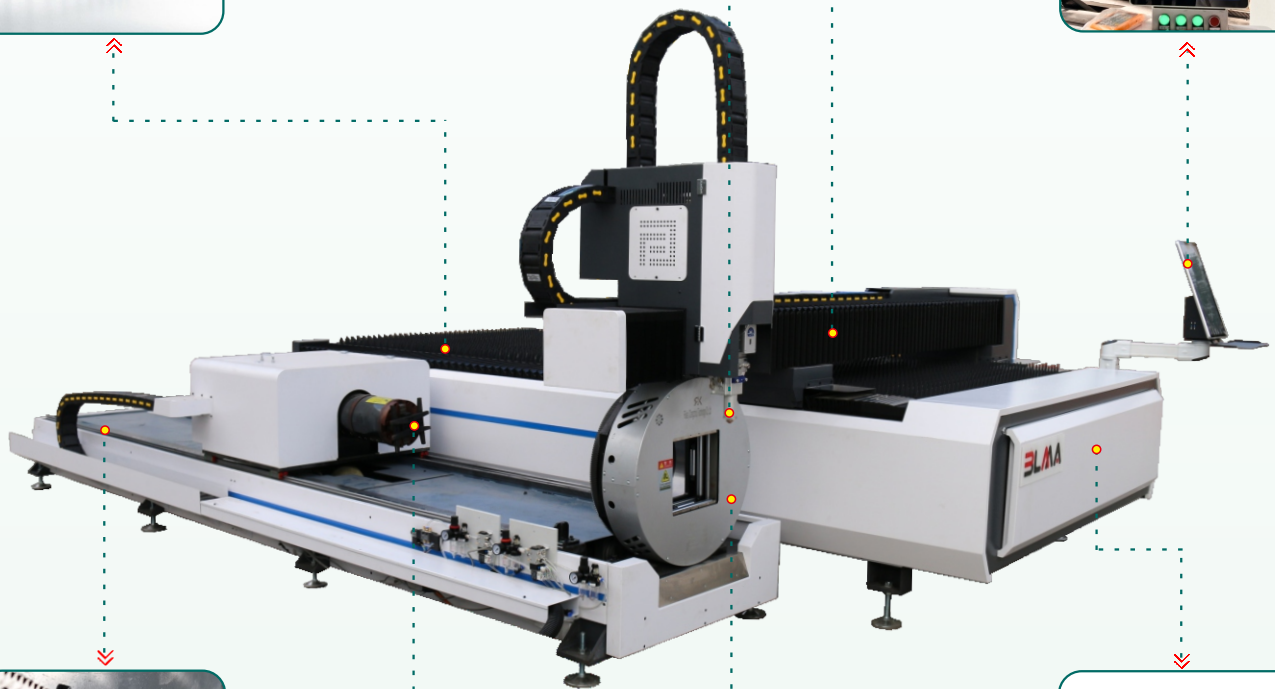
Aluminum Alloy Beam



Worktable



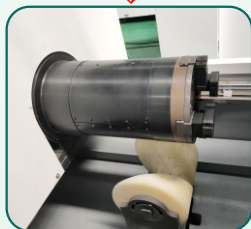
Intelligent Operating System



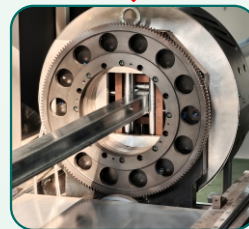
Guideways & racks



Upgraded steel bed



Pneumatic clamp



Digital Controlling
Pneumatic Chucks

High-Performance Single-Platform Fiber Laser Cutting Machine 1500w-60000w

Designed for exceptional speed and versatility, the BLMA Smart laser cutting machine excels in ultra-high-speed cutting of thin sheet metal. It efficiently handles a wide variety of ferrous and non-ferrous metals of varying thickness, from delicate sheets to more robust materials, maximizing productivity and minimizing operating costs.



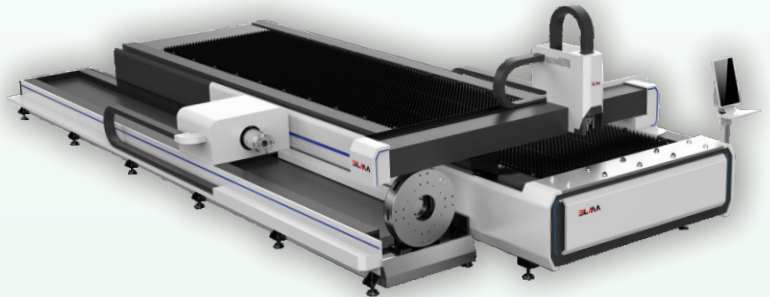
High-Speed Tube Fiber Laser Cutting Machine 1500w-60000w

The BLMA laser tube cutting machine operates at 120 r/min and 120 m/min, providing fast, stable, and efficient cutting. It features an advanced control system with over 50 splicing patterns, making it ideal for cutting various shapes like square tubes, arcs, tees, and angle iron, perfect for complex metal fabrication.



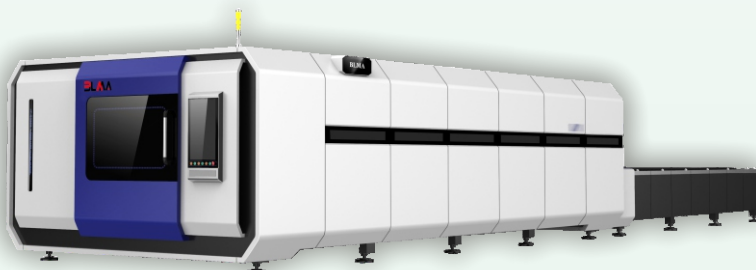
Tube & Plate Fiber Laser Cutting Machine 1500w-60000w

This advanced fiber laser machine combines tube and plate cutting, offering versatile, rapid, and precise cuts on flat sheets and tubes. With cutting-edge technology, it handles various metals efficiently, ensuring minimal waste and smooth, high-quality edges. Ideal for manufacturing and fabrication.



Enclosed Fiber Laser Cutting Machine 1500w-60000w

The BLMA fully enclosed fiber laser cutting machine reduces laser exposure and fumes with its sealed design and advanced filtration. Compact and easy to use, it cuts various materials with precision, making it ideal for industrial and workshop settings. Perfect for high-demand metalworking tasks.



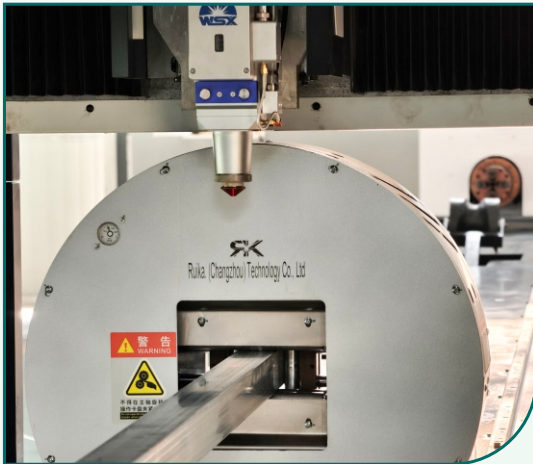
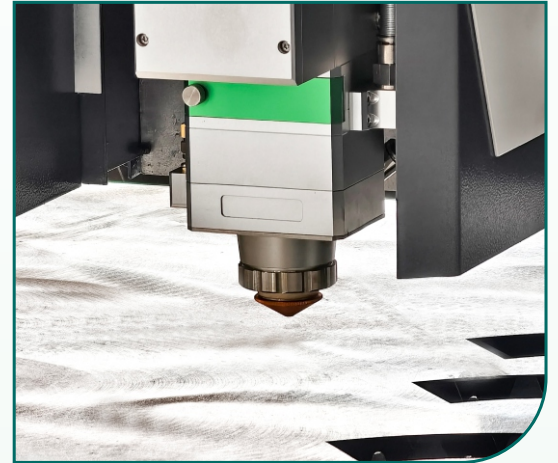


Intelligent Operating System

The multi-language interface integrates CAD and CAM modules, supporting DXF, AI, PLT, and CAD formats, and works with AutoCAD and CorelDRAW. The vertical tempered glass screen offers fast response, high contrast, wide viewing angles, low power use, and high resolution.

Laser Cutting Head With Anti-collision

The anti-collision system ensures safety, while the 200m/min speed and 4.0G acceleration enable fast, efficient sheet processing, boosting productivity and providing a secure cutting environment.



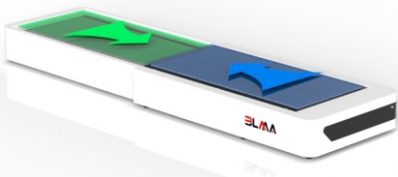
Tube and Profile Cutting

The system automatically adjusts to pipe diameter for precise cutting, handling square, round, oval, and D-shaped pipes, as well as P-, L-, and U-shaped profiles. It supports diagonal cuts from 20 to 350 mm.

Industrial Laser Chiller

The Hanli chiller cools the laser head, ensuring stable operation under heavy loads. It uses a closed-loop refrigerant system to dissipate heat, maintaining an optimal temperature for better cutting efficiency.



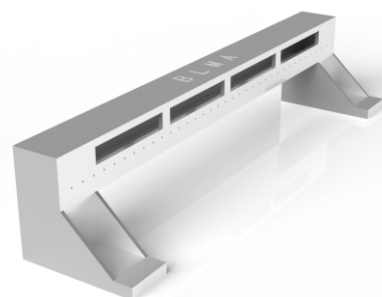


Upgraded Machine Bed with Level-up Rigidity

The main frame of the machine is designed as a canopy structure, welded from steel plates to ensure long-term stability and prevent deformation. The machine's worktable has undergone high-temperature treatment in a special large annealing furnace, enhancing its strength and stability.

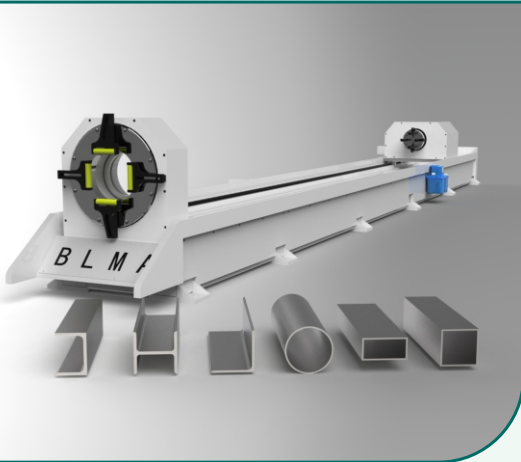
Stretching Aluminum Cross Beam

The new fifth-generation 6-series aluminum beam has 20% less weight and 15% more torsional resistance than the previous generation. Lightweight design beams play a high dynamic performance of the equipment to improve processing efficiency.



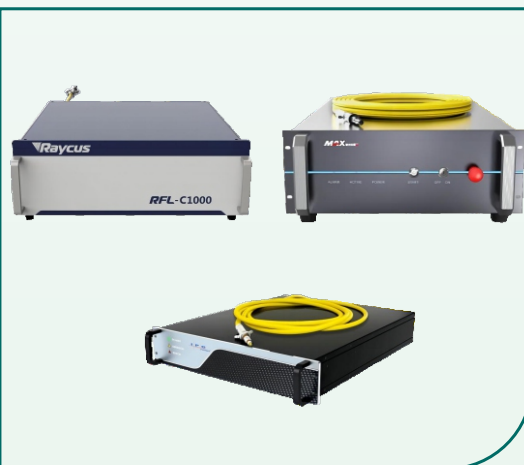
Digital Controlling Pneumatic Chucks

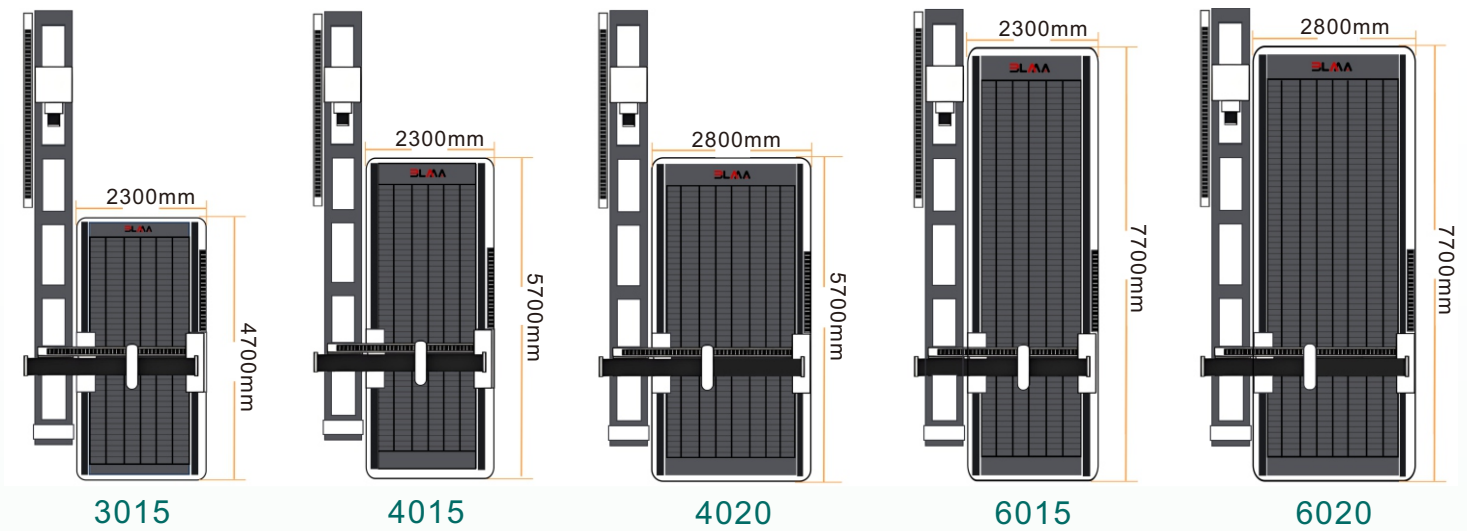
1. With wireless digital feedback, chucks combine with system to form closed-loop controlling
2. High clamping speed, accuracy and working efficiency , low threshold pressure
3. Wireless monitoring of chucks, alarm for empty chucks and high security for no collision between chucks and work-pieces
4. Pressure adjustments depending on different tube diameters and thicknesses
5. Intelligent chucks in full track without artificial adjustments and the load-bearing can achieve 200kg.



Laser Source(Optional)

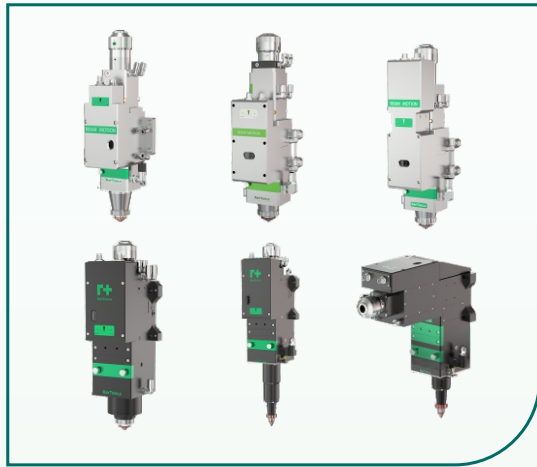
BLMA laser cutting machines feature high-quality laser sources that improve efficiency for both high-speed cutting of thin sheets and thicker materials. Their compact design reduces volume by over 60%, enabling better system integration flexibility.





Laser head (Optional)

The autofocus cutting head automatically detects material type and thickness, adjusting the distance for optimal cutting. The stable laser ensures precise cuts, and the modular design allows for easy nozzle replacement. The protective glass prevents dust.

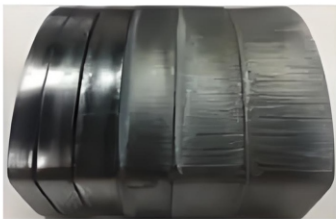


Professional air compressor for laser(Optional)

With advanced features such as energy-efficient motors, durable construction, and precision control systems, our compressors ensure maximum uptime and minimal maintenance. They are available in various capacities to suit different operational needs, from small workshops to large-scale manufacturing plants.



Carbon steel cutting effect



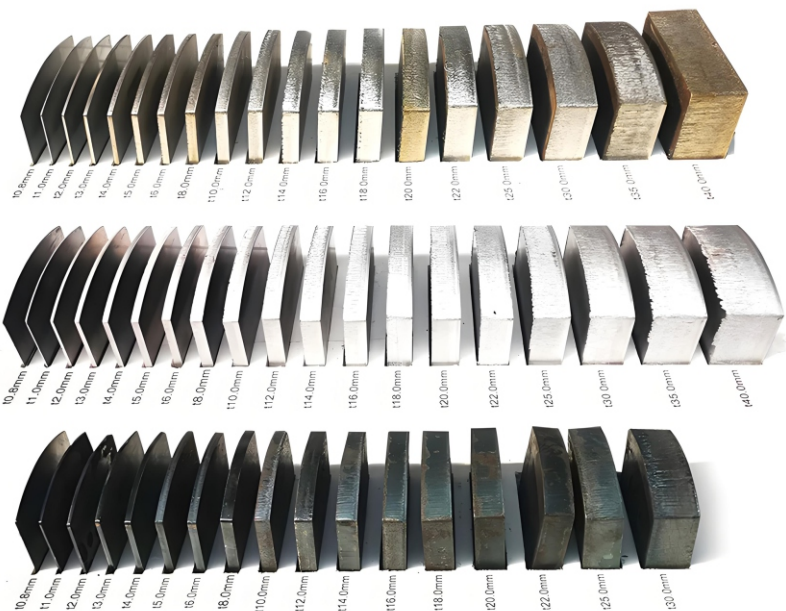
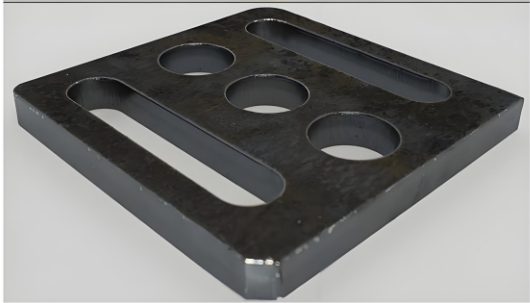
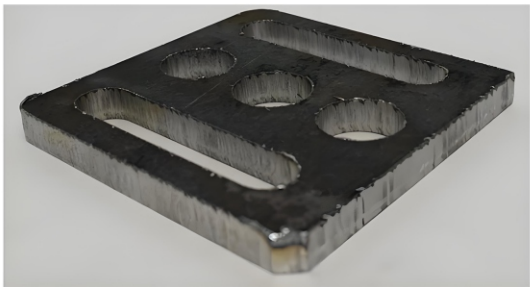
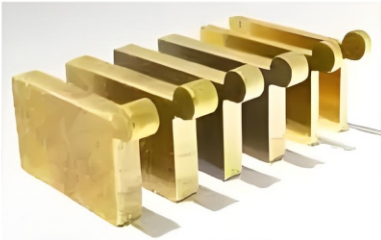
Stainless steel cutting effect



Aluminum cutting effect

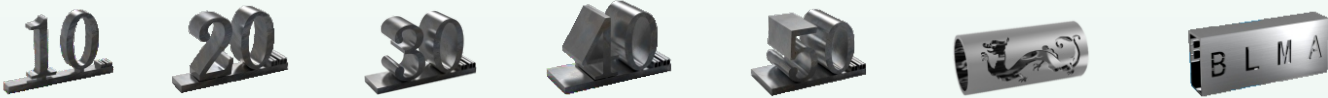


Brass cutting effect



Cutting effect analysis

Clean, sharp cuts on carbon steel, refined edges on stainless steel, precise and lightweight cuts on aluminum, and polished, intricate cuts on brass. Each material exhibits the machine's capability to handle a wide range of thicknesses, from thin sheets to robust, thicker pieces, making it ideal for diverse industrial applications.



Laser Power	Material Thickness	1mm	2mm	3mm	4mm	5mm	6mm	8mm	10mm	12mm	14mm	16mm	18mm	20mm	25mm	30mm	35mm	40mm	45mm	50mm	60mm	70mm	80mm
1500w	Carbon steel																						
3000w	Stainless steel																						
6000w	Max cutting thickness (long-term using isn't recommended)																						
12kw																							
20kw																							
30kw																							

The above data is for reference only



NANJING BLMA MACHINERY CO.,LTD.
MAANSHAN BLMA TECHNOLOGY CO.,LTD.



Tel/Wechat/Whatsapp:+86-18055540901
Tel/Wechat/Whatsapp:+86-18949633575