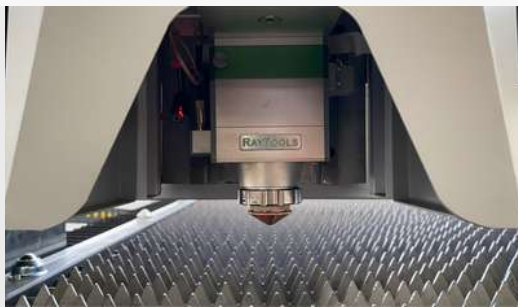


# ArchHer

ARCBRO LASER CUTTING MACHINE



**ArchHer laser cutting machines offer an extensive array of opportunities and possibilities for diverse applications.**

Utilizing a robust industrial-grade steel structure design and precision NC five-sided machining center, our machines guarantee accuracy and stability. We incorporate Schneider electrical components from France and IGUS cables from Germany for reliable performance.

Our machines feature an imported servo drive system and decelerator, ensuring rapid operation and exceptional stability. To maintain long-term processing accuracy, we use Taiwanese guideways and high-precision grinding racks.

Equipped with a professional laser cutting control system, our machines offer comprehensive functionality and user-friendly operation. They are maintenance-free, energy-efficient, and cost-effective, making them ideal for applications in advertising, sheet metal processing, electric power, hotel kitchen equipment, hardware products, electrical equipment, and precision parts across various industries.

## Standard configuration



**Cutting function:**  
Laser cutting



**X. Y Cutting Area:**  
1500 x 3000mm, 1500 x 4000mm,  
1500 x 6000mm



**Cutting Thickness:**  
Base on the table



**Laser Power:**  
1500 to 8000W; Max Laser, Raycus  
Laser, Reci Laser



**Working Voltage:**  
220V single phase for 1500W,  
AC380V/50HZ

## Real Shots



# BETTER CUTTING PERFORMANCE

## Raytool Cutting Head

The laser head features an automatic sensor that detects the distance from the metal surface being cut and transmits this data to the drive controller. This allows the follow-up laser head to maintain a consistent distance from the cutting plate surface, preventing any cutting issues caused by uneven metal surfaces.



## Compact Solution

With higher photoelectric conversion efficiency, better and more stable beam quality, and high reflection resistance. The cutting slit of the cut plate is narrow and the section is bright, which has obvious advantages compared to other lasers of the Same type in the market.

## Laser Chiller

Specially designed for fiber laser cooling, dual-temperature dual-control mode, separate low temperature and high temperature, can cool the laser and laser head at the same time, one multi-purpose.

It has two modes of constant temperature and intelligent temperature control, effectively avoiding the generation of condensed water; it has a variety of alarm protection functions; the top fan can effectively increase the temperature of the cold water The machine itself dissipates heat.



# Experience Unparalleled Quality with Our Exceptional Laser Cutter, Designed to Deliver World-class Performance!



ARROW



## Servo Motor

The closed-loop control method of the servo motor guarantees precise positioning and optimal acceleration, resulting in a smooth, reliable, and maintenance-free automatic positioning mechanism. The high-power motor drives for the X, Y, and Z axes ensure high-precision moving ability, to promise accurate cutting works.



## Working table

Our laser cutter features a distinctive pointed rack design, ideally suited for cutting alloy sheet metal. The integrated positioning ruler streamlines operations such as feeding and part handling, ensuring convenience and speed.



## Optional Configuration



### Dust Collector

The capture rate of smoke and dust is high, the dust removal efficiency is high, and the performance is stable; the dust is easy to clean, and the operation and maintenance are simple.



### Air Compressor

The Air Compressor has strong air feeding performance, quick air feeding, saving time and power consumption, thereby reducing costs; intelligent operation, low decibel, reliability and durability, improving production efficiency



### Voltage Regulator

The Voltage Regulator is Reliable work, has a wide range of voltage regulation, strong overload capacity, and strong anti-interference ability. By adjusting the voltage to ensure a smooth circuit and normal use of electrical appliances.



### Laser Safety Cabins

The Laser Safety Cabin has a unique single countertop design and is designed specifically to prevent the escape of laser radiation, effectively isolating the working area, a strict safety protection system can prevent possible damage to the workers caused by laser radiation.

# SPECIFICATIONS

Product Type	Fiber Laser Cutting Machine		
Model	ArcHer 1530	ArcHer 1540	Archer 1560
Laser power	1500 to 8000W; Max Laser, Raycus Laser, Reci Laser		
Driving System	Panasonic Servo / Leadshine Servo		
Controller system	JCZ System and Raytools cutting head (Cypcut is optional)		
X. Y Cutting Area	1500 x 3000mm	1500 x 4000mm	1500 x 6000mm
X.Y Guiding System	Taiwan linear rails 25/30		
Rack	Germany 1.5M		
Operating System	Windows 10		
Interface	LCD screen with USB interface		
Nesting Software	Available (Optional)		
Supported Format	BMP, HPGL(PLT), DXF, G-CODE, DST, AI		
Working Voltage	220V single phase for 1500W, AC380V/50HZ		
Water Chiller	Same output as the Laser source		

# ARCBRO SUPPORT

## ARCBRO LEARN CAMPUS

*Learn the machines before you get them.*

Make the work simple! View ARCBRO learn campus online to learn the machines before you get them. ARCBRO learn campus is a online CNC plasma cutting training program in the industry. It takes our customers through a series of knowledgeable and concise videos and files to give them in-depth training and technical instruction. These videos will take even your newest operator to an expert level in no time. They were formulated with our customers at the forefront of our minds, which has transcended into fast and effective training for many different markets, such as: education, metal art, custom automotive part fabrication, and many others. Link: <https://www.arcbro.com/learning-campus/>



## ARCBRO TROUBLESHOOTING

*You can buy any arcbro product without any hassle!*

All our products have a precise and reliable manufacturing quality inspection system. In addition, all products have a one-and-a-half year warranty and are accompanied by the best after-sales protection system in China. Multilingual professional engineers perform online machine diagnostics in 24 hours. We bear the cost of any parts failure or damage during the warranty period and you only need to pay the shipping cost.

In addition, you can easily find all the after-sales solutions you may need on our official website. We have organized the questions that customers have asked us when using the machine for many years, and gave answers in detailed but easy to understand words to help you solve the problem as quickly as possible.

Want to know more, just browse our official website, click support, enter Arcbro troubleshooting system. Link: <https://www.arcbro.com/troubleshooting/>



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