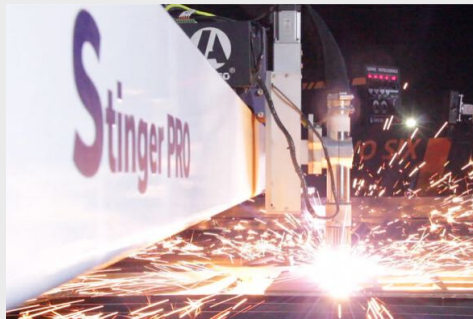


# Stinger PRO 5100

CNC HD PLASMA CUTTING TABLE




## CNC HD PLASMA CUTTING TABLE FOR WORKSHOP PRO

Stinger pro 5100 ArcBro flagship true hole HD plasma CNC cutting table launched in 2020. This robust, industrial table is built with production in mind. The plasma table can handle the rigors of continuous production runs with industry leading repeatability and reliability. And it has been designed and built from the ground up by ARCBRO engineer team- ensuring a world class product with the quality and reliability you have come to expect.


It meet all the requirements of HD cutting, improve production efficiency, reduce operating costs, comprehensively upgrade the cutting process, and build for all-day production.


This one perfect plasma machine for every professional workshop own.

 **Cutting function:**  
High definition plasma cutting

 **Cutting Size:**  
3000\*1500mm

 **Cutting Tolerance:**  
Within iso range 3

 **Cutting Table:**  
Water table / Air Draft table

 **Cutting Thickness:**  
See Thickness Table on page 5

## UNBEATABLE HD PLASMA POWER SOURCE – ArcBlitz™

Unbeatable HD plasma power source - ArcBlitz. ArcBlitz is the latest system ARCBRO plasma power supply product line, challenging the traditional plasma cutting industry concept.

ArcBlitz can increase cutting speed, significantly increase productivity and reduce operating costs. New ease-of-use features and engineered system optimization capabilities make ArcBlitz easier to run with minimal operator intervention, while ensuring optimal performance and unparalleled reliability.



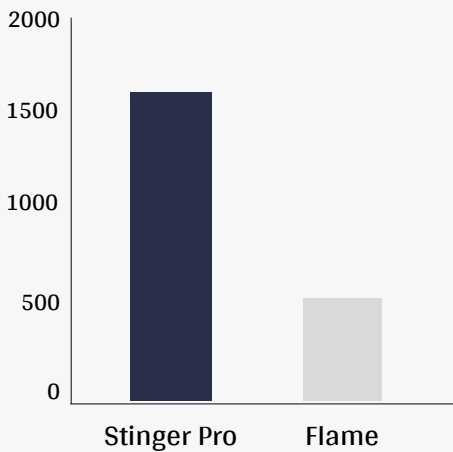
## High productivity ≠ High cost

A common thread in the technological advancement of plasma cutting since its invention is the continuous reduction in the cost per foot or meter of metal cut. This phenomenon, greatly accelerated in Stinger pro, is a primary driver of improved profitability for the user.

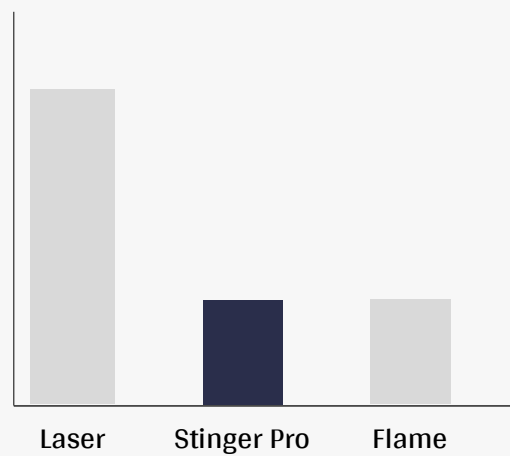
The cutting speed is **three times** than flame cutting, but the unit cutting cost is only **1/3** of the laser and same as flame cutting. Such high efficiency and low cost is what all users dream of. Right now, Stinger pro is the best choice to achieve this kind of requirement.



Cutting Speed of 20mm mild steel  
(mm/min)



Cutting Cost



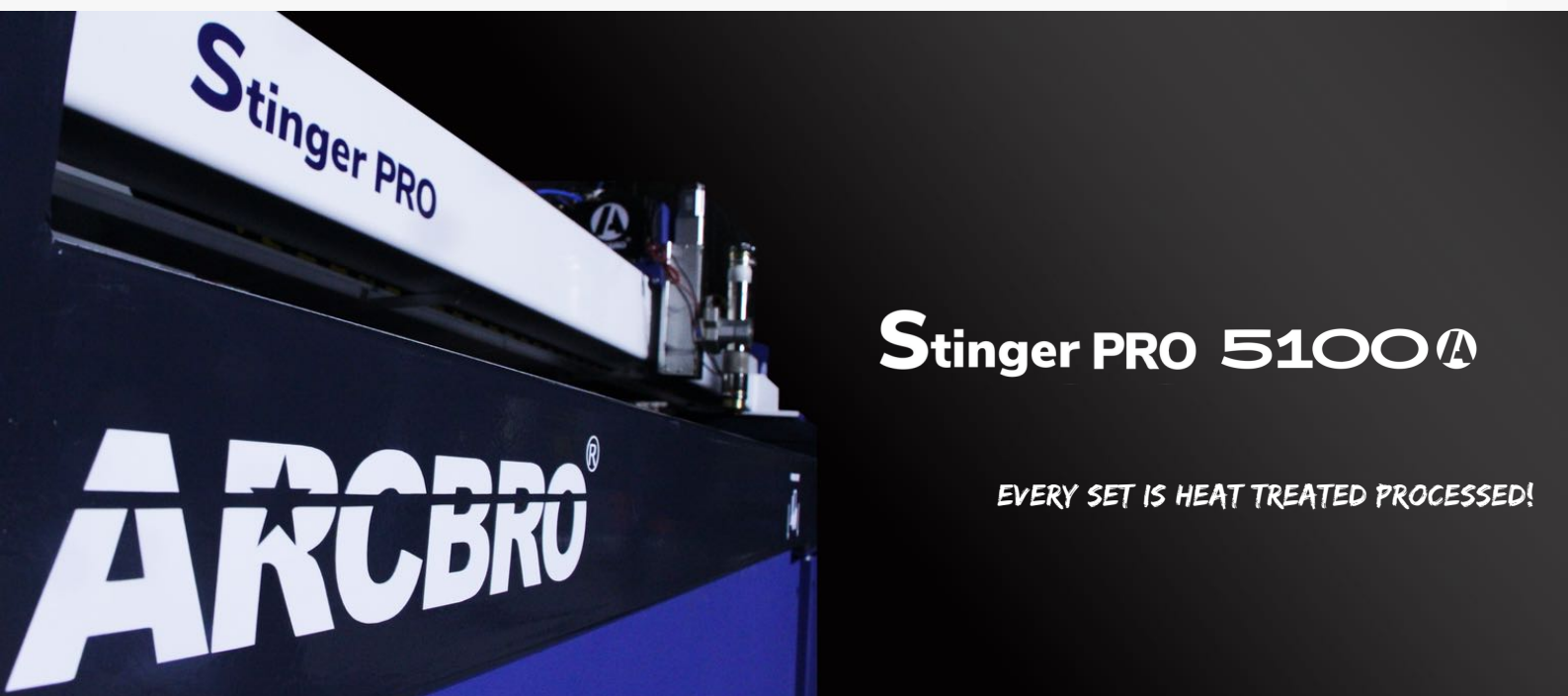
## Plug and play design, upgrade your workshop!

To be more convenient, Stinger Pro has plug and play design, which are shipped fully assembled. The setup process has been streamlined making the process smooth and enabling you to start putting the machine to work right away. You are required to provide an on-site supply of air, power, water. You will also need a forklift to receive the machine and put it into position.



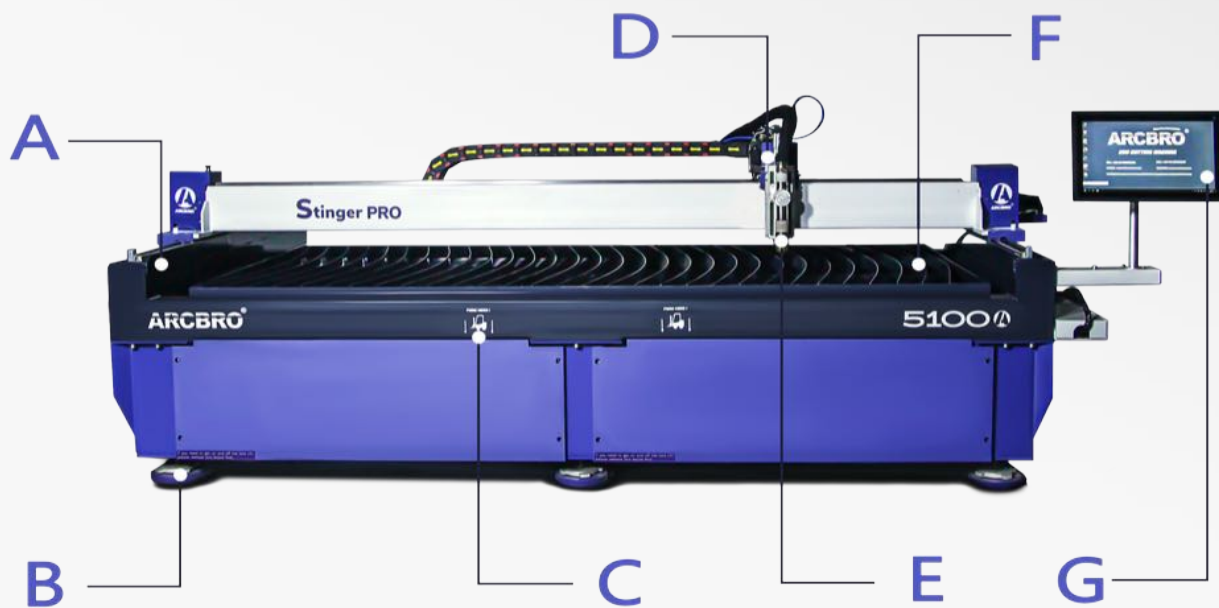
## Superior Machinery, every set is heat treated processed!

Powerful plasma power challenges the strength and accuracy of the airframe. Stinger Pro performed perfectly. Helical gear, trolley, rack and pinion together guarantee excellent motion control, parallel accuracy and stability, so reliable! We continue to use the design of the independent material table to eliminate the load-bearing loss of the fuselage, and at the same time shorten the height of the side member to the cross member to ensure the stability of longitudinal driving. More wide transom is specially designed for the workshop, which saves you more space when placed against the wall, and easily for loading!



**Stinger PRO 5100** 

**EVERY SET IS HEAT TREATED PROCESSED!**



**A** Main frame and crossbeam are heat treated. Machine body strength and durability are maximized.



**B** High loaded iron gasket, guarantee machine leveling and absorb resonance.



**C** Fork lift position was already setup, easy to move.



**D** Magnetic anti-collision torch holder, connected by wire-rope, provide best torch protection



**E** Plasma cutting for High definition true hole technology. High precision and high productivity.

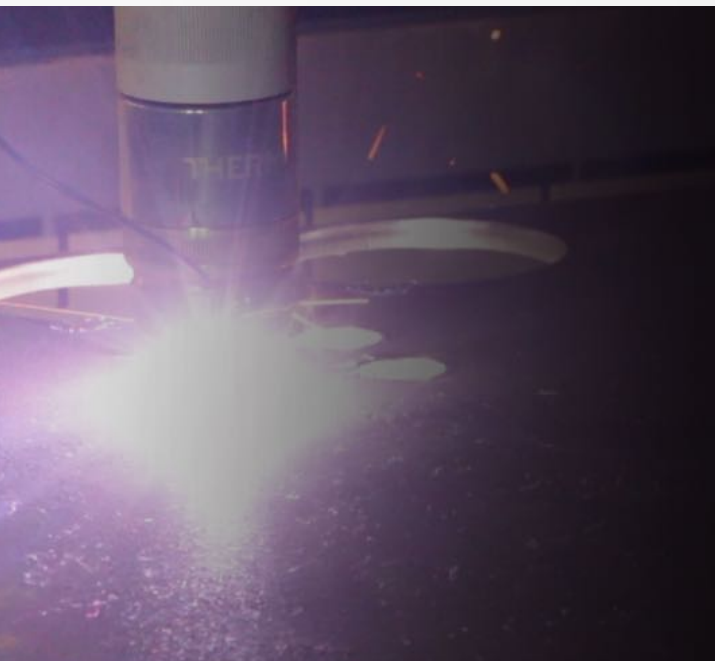


**F** Cutting table is separated from machine frame. If cutting table is damaged by long time use, machine body get no any deformation.



**G** 21" industrial touch screen, best operation experience.

## Fantastic perpendicularity. Say goodbye to annoying taper!



- Stinger PRO can bring you a wonderful cutting quality, through all thickness. With HD plasma source ArcBlitz, this solution is able to meet ISO range 3 cutting quality. It means the taper angle is smaller than 2 degree. So, say goodbye to annoying taper.
- The perfect hole technique is optional if you need to compare with drilling machine, we use perfect hole technology on bolt holes. It is the way more efficient.



## Unbeatable HD plasma power source – ArcBlitz™

### High definition cut, one step in place.

- ArcBlitz is the latest system ARCBRO plasma power supply product line, challenging the traditional plasma cutting industry concept.
- ArcBlitz can increase cutting speed, significantly increase productivity and reduce operating costs. New ease-of-use features and engineered system optimization capabilities make ArcBlitz easier to run with minimal operator intervention, while ensuring optimal performance and unparalleled reliability.

### Cost Reduction

- Achieve optimal consumables life without operator adjustment.
- The nozzle uses rapid liquid cooling technology to protect the torch and consumables.
- Precision cutting eliminating cost of secondary operations.

### Precise Cuts

- The outer contour cutting adopts the oxygen / air process, and the cutting quality is stable within the ISO range 3.
- The perfect hole cutting uses oxygen / air technology to eliminate taper.
- Gas control box for automatic ventilation cutting of outer contours and small round holes.

### A real transformative advances in industrial cutting operations.



Mild steel	mm	inches
Pierce capacity	30	1.2
Severance	50	2
Stainless steel		
Pierce capacity	25	1
Severance	20	3/4
Aluminum		
Pierce capacity	25	3/4
Severance	25	1

## SPECIFICATIONS

Type	Stinger Pro 5100
Cutting mode	High definition plasma cutting
Input Voltage	110V / 220V
Frequency	50 / 60Hz
Cutting size	3000 * 1500 mm
Input power	3600w
Drive motor	Panasonic servo motor
Reducer	1:25
CNC controller	IPC
Plasma Power Source	ArcBlitz HD
Running Cutting Speed	0 – 20000 mm/min
Tolerance	≤ 0.3mm
Height Control	Automatic voltage THC

## ARCBRO SUPPORT

### ARCBRO LEARN CAMPUS

*Learn the machines before you get them.*

ARCBRO Learning campus is comprehensive online university for CNC plasma cutting machine. Considering difficulty of training new operator from zero to an expert level, in order to improve all customers operation skill and effectiveness, ARCBRO provide a exchange learning platform. Here, whether CAD auto nesting software or practical operation, all customers would find documents or videos they need. The best part is that these videos will always be updated with the latest software updates so that customers can be always at the cutting edge of CNC plasma cutting technology.

Link: <https://www.arcbro.com/support/learncampus/>



### ARCBRO TROUBLESHOOTING

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

This part is focus on fast and efficient after-service. We have professional engineers who can perform online machine diagnostics in 24 hours and provide suitable solution about any problem customers meet but not solve. Besides, in order to increase efficiency, we have organized some common questions that customers have asked us and gave answers to help you solve the problem as quickly as possible. Furthermore, our product pass the strict test before shipping, and we support our customers longer warranty up to 18 months. During the period, we bear the cost of any parts failure or damage to eliminate your worries completely. Want to know more, just browse our official website, click support, enter Arcbro troubleshooting system. Link: <https://www.arcbro.com/support/troubleshooting/>



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