

ARC BRO[®]

Make the Work Simple

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Stinger PRO 5100

HD PLASMA CNC HEAVEY-DUTY 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.

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



Cutting function:
High definition plasma cutting



Cutting Size:
3000*1500 mm



Cutting Tolerance:
Within iso range 3



Cutting Table:
Water table / Air Draft table



Cutting Thickness:
See the table in Arcblitz™'s page

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X MARK

HD PLASMA CNC GANTRY TABLE CUTTING MACHINE

HD, A leap in every aspect in plasma cutting.

The HD heavy duty plasma cutting table - X Mark, available exclusively from Arcbro, challenges the concept of the traditional plasma cutting industry: High productivity, high cutting quality, Precise cuts at fast speeds reduce secondary operations and streamline your manufacturing processes, which in turn reduces costs and increases production, built-in integrated cutting process, perfect round hole for one-button cutting, and reliance on worker skills. The new process is called high definition plasma cut, which is a leap in every aspect in plasma.



Specifications

Cutting mode	high definition plasma cutting for true hole technology
Machine input voltage	220V single phase
Effective cutting area	1.5 X 3.0 M / 2.0 X 3.0 M (length can be extended)
Number of torches	Automatic plasma set, automatic flame set
Reducer	1:25 APEX
Rack and pinion specifications	2-mode helical tooth
Height control	Auto Hypertherm PHC (plasma); high-definition HDY (flame)
Plasma generator - plasma power supply	Hypertherm XPR300, US Hypertherm
Small hole technology nesting software	Sigma nesting / lantek / pronest
Running speed	0-28000mm/min
Positioning speed	10000mm/min
Cutting speed	0-12000mm/min
positioning accuracy	±0.08 mm
Tolerance	±0.2mm
CNC controller	Hypertherm EDGE Connect TC / Feimat ICNC (optional)



Cutting function:
High definition plasma cutting



Cutting Size:
1500*3000 mm



Cutting Tolerance:
Within iso range 3



Cutting Table:
Water table / Air Draft table



X Mark + Hypertherm XPR
Integrated solution

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X MASTER

CNC GANTRY PLASMA/FLAME CUTTING MACHINE

High Definition Plasma Gantry PRO!

The HD heavy duty plasma cutting table - X Master, available exclusively from Arcbro, challenges the concept of the traditional plasma cutting industry: High productivity, high cutting quality, Precise cuts at fast speeds reduce secondary operations and streamline your manufacturing processes, which in turn reduces costs and increases production, built-in integrated cutting process, perfect round hole for one-button cutting, and reliance on worker skills. The new process is called high definition plasma cut, which is a leap in every aspect in plasma.

Specifications

Cutting mode	high definition plasma cutting for true hole technology
Effective cutting area	Width 2.5-5m Length minimum 6m (Length and width can be optional)
Number of torches	a set of automatic plasmas, a set of automatic flames
Drive mode	Longitudinal - 1000Wx2 large inertia, horizontal - 750Wx1 large inertia; lifting 400 W; Japan Panasonic servo system, dual drive mode
Reducer	1:40 Nides
Vertical orbit	Silver 58 kg rail on the longitudinal rail; silver (silver) 20 linear rail in the horizontal direction;
Rack and pinion specifications	2-mode helical tooth
Height control	Auto Hypertherm: PHC (plasma); magnet anti-collision device; high-speed capacitor high-definition HDY (flame)
Cutting thickness	0 - 45 mm perforation cutting (plasma); flame cutting thickness 0-200mm (for thicker optional)
Plasma power source	Hypertherm XPR300, US Hypertherm
Small hole technology nesting software	Sigma nesting / Intek / pronest
Running speed	0-15000mm/min
positioning accuracy	±0.08 mm
Tolerance	<0.3mm
CNC control mode	Hypertherm EDGE Connect TC / Feimat ICNC (can be optional)
Machine input voltage	220V single phase

True Hole Technology



Cutting function:
High definition plasma cutting



Cutting Size:
3000*12000 mm



Cutting Tolerance:
Within iso range 3



X Master + Hypertherm XPR
Integrated solution

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STINGER 4400 5100

CNC PLASMA CUTTING TABLE

Compact & Advancing Design For Workshop !

From air pressure sensors to the independent load-bearing tables, Stinger's design is completely for the workshop. A small footprint saves you space and Transportation budget. After assembling the flame mode, Stinger can cut thickness from 0.5mm to 200mm and only needs a button to complete the mode switch. All the needs of one machine are enough! And it is completely a plug-and-play machine, Stinger is 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.

Specifications

Type	Stinger
Effective Area (mm)	1300*1300mm, 1300*2500mm, 1500*3000mm
Thickness Range	0.3-30mm (Depends on plasma power source capability)
Input Voltage	Single phase, 110/220V
Power Frequency	50/60Hz
Cutting Mode	Plasma Cut (Flame cut is optional)
Driver Motor	Hybrid servo drives
Cutting Speed	1-7,000mm/min
Running Speed	1-7,000mm/min
Tolerance	<0.4mm
Height Control	Arc Voltage THC& Pneumatic THC (capacitive CHC is optional)
Internal Library	Shape library
Language	English, Chinese, Spanish, Russian, French, Japanese, Czech and Slovenia, etc.
Temperature	1-40°C (34-104°F)



Cutting Size:
1300*1300 mm / 1500*3000 mm



Plasma Cutting Mode



Flame Cutting Mode



Arc Voltage THC for Plasma
Pneumatic height for Plasma
Capacitance THC for Flame

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SCOUT 2

CNC PORTABLE FLAME / PLASMA CUTTING MACHINE

Lightweight yet Reliable Cutting Solution

Scout 2 offers a flexible solution with all advantages of a CNC portable cutting machine. Due to its lightweight and solid aluminium construction, this small unit is quick to assemble and dismantle. It can be configured as either a oxy-fuel cutting machine or a plasma cutting machine.

With a standard 18-month warranty, this the CNC machine you'll own for the long haul. Whether you are a dealer, a busy workshop owner, or a metal artist, this lightweight yet reliable unit will exceed your expectations.

Specifications

Type	Scout 2
Mode of Cutting	Plasma / Flame
Input Voltage	110V/220 V
Frequency	50 Hz/60Hz
Input Power	180 W
Display	LCD 7"
Flame Cutting Thickness	5mm – 150 mm
Plasma Cutting Thickness	Depending on the plasma power source
Flame Cutting Speed	0 –1000 mm/min
Plasma Cutting Speed	0 –4000 mm/min
Tolerance	<0.5mm
Plasma Height Control	Automatic voltage THC



Low Consumption



Good Structure



Efficient



Long Life

Two Modes for option

We have professional CNC instructors to help you analyze and sort out your cutting needs, and provide you with the most reasonable solution!

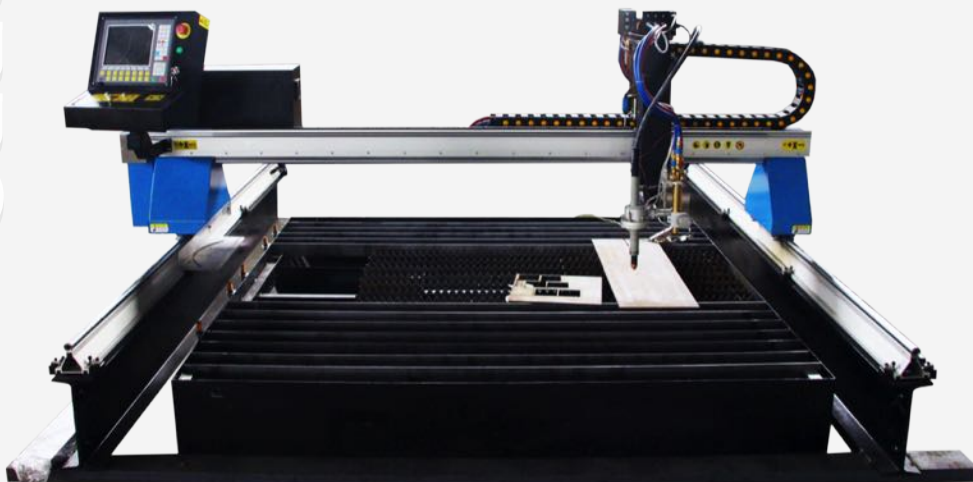
Option 1: Flame Mode



Option 2: Plasma + Flame Mode



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THUNDER X PRO

CNC LIGHT GANTRY PLASMA/FLAME CUTTING MACHINE

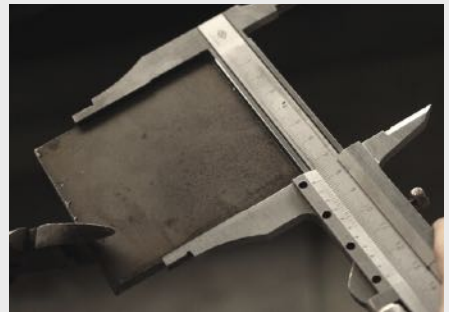
A Perfect Upgrade Of Gantry Plasma Cutting !

A powerful upgrade for gantry plasma cutter! Replace the aluminum beam with a stronger and stronger steel. A new type of triangular structure aluminum die has been added with a patent. The die is fastened to the square steel while ensuring track accuracy and beam strength. Greatly increase the cutting stability, thus improving the cutting quality.

Equipped with flame and plasma two cutting torch, which mode you need, just use it instantly, high efficiency. Capacitive THC and ARC voltage THC mix structure, with water cooling system, because of this, can cut 0.3 mm thin plate and 30mm thick plate both.

Specifications

Type	Thunder X Pro
Cutting Mode	Flame and Plasma
Cutting Torch No.	1 group Flame and Plasma both standard, can be multi torches
Driving Mode	750W x 2, 400w x 1, AC Panasonic servo system(optional), Dual driving mode
Height Control	Auto height controller for Flame and plasma torch
Flame Cutting Thickness	6-300mm
Plasma Cutting Thickness	Due to the plasma power source
Moving speed	0-10,000mm/min
Flame Cutting Speed	0-1,000mm/min
Plasma Cutting Speed	0-10,000mm/min
Display	LCD 7"
Nesting software	Libellula
Input Voltage	110V / 220V
Options	Capacitance Auto Torch Height Control(THC) and anti-collision
Cutting Gas	Flame:(Acetylene, Propane or Liquid Gas) + Oxygen
Tolerance	<0.5mm



Cutting Size:
2000*3000 mm - 3000*15000 mm



Plasma Cutting Mode



Flame Cutting Mode



**Independent Integrated
Shape Of Aluminum Die**



**Arc Voltage THC for Plasma
Capacitance THC for Flame**

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X PRO

CNC HEAVY-DUTY GANTRY PLASMA/FLAME CUTTING MACHINE

Reliable Heavy Duty Cutting Machine

X Pro is a heavy-duty CNC Gantry cutting machine with, dual drive. It can greatly help customers improve productivity, support the plasma and flame, Japanese Panasonic servo motor system, high precision, easy operation, absolutely durable. It can import DXF files directly and provides the full range of cutting thicknesses of metal.

The linear rail is used horizontally and the 24kg rail is used in the longitudinal direction, which is high precision and durable. The strong beam can carry plasma power large-span trolley design effectively balances the torque of the equipment. Reduce the error caused by inertia.

When using multiple lifting bodies, connect them with stainless steel belts to adjust the distance between the two lifting bodies and make the cutting mode change quickly.

Specifications

Type	X Pro
Input Voltage	110V/220V
Cutting Mode	Flame and Plasma
Cutting Torch No.	1 group Flame and Plasma both standard, can be multi torches
Driving Mode	750W x 2, 400W x 1, AC Panasonic servo system(optional), Dual driving mode
Height Control	Auto height controller for Flame and plasma torch
Flame Cutting Thickness	6-300mm
Plasma Cutting Thickness	Due to the plasma power source
Flame Cutting Speed	0-1,000mm/min
Plasma Cutting Speed	0-9,000mm/min
Display	LCD 10" Touch Screen
Nesting software	Libellula
Options	Capacitance Auto Torch Height Control(THC)and anti-collision
Cutting Gas	Flame: (Acetylene, Propane or Liquid Gas)+ Oxygen
Tolerance	<0.2mm



Cutting Size:

3000*6000 mm - 5000*14000 mm



Plasma Cutting Mode



Flame Cutting Mode



Automatic Ignition



Arc Voltage THC for Plasma
Capacitance THC for Flame

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TUBE S

SQUARE & ROUND PIPE PROFILE CUTTING MACHINE

The Best Solution For Small pipe Cutting

The Tube S by ARCBRO® is an affordable CNC round and square pipe cutting solution that comes in a compact footprint. It can do pipe OD from 30 to 120 mm and pipe length from 3000 to 15.000 mm by plasma. This two-axis CNC pipe cutting machine has a footprint of only 0.6m wide and can rapidly profile aluminum, stainless steel, and mild steel pipes with ease.

User powerful and friendly Italy libellula software allows quick understanding and efficient use of Tube-S machines after a short training. NC data file transfer to Mini-Tube-S from CAD/CAM software available as option.

Specifications

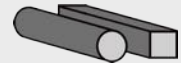
Type	Tube S
Input Power	110V / 220V, 1Ph / 60Hz
Traverse Speed	0 – 8000mm / min
Pipe Capacity	25 – 120 mm
Height Control	HYD Arc Voltage THC
Travel – Longitudinal	3 m / 6 m
Maximum Cutting Speed	0 – 8000mm / min (limited by cutting process)
Pipe Rotation Drive	Precision planetary gear box and belt drive
Linear Motion	Precision rack and pinion
Cutting Process	Plasma
Temperature (operating)	40–100°F (1–38°C)
Fume Extraction	Custom quotes available upon request
Language	English, Chinese, Spanish, Russian, French, Japanese, Czech and Slovenia, etc.



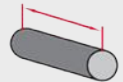
Cutting Capacity



Plasma cutting



Round &
square pipe



standard length
3 m / 6 m



Pipe OD
25 - 120 mm

Fume Extraction

Custom quotes available upon request.



ARCBRO



TUBE MINI

ARCBRO CNC PIPE PROFILE CUTTING MACHINE

Precise Pipe Cutting & Small Footprint

The Tube Mini Compact Pipe Cutting Machine by ARCBRO® is a two-axis CNC pipe cutting machine has a small footprint and can rapidly profile aluminum, stainless steel, and mild steel pipes with ease. This machine is ideal for roll cage fabrication shops, handrail and fencing manufacturers, and many other small-to-medium-sized fabrication shops that are looking to increase the efficiency of profiling and cutting their pipes and tubes. Its standard pipe cutting diameter is between 25mm to 200mm. standardize cut quality, and expand the capabilities of your works.

Specifications

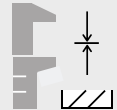
Type	Tube-mini
Effective diameter (mm)	50mm-300mm
Input Power	800W
Input voltage	Single phase, 110/220V
Power frequency	50/60Hz
Cutting mode	Plasma Cut (Flame cut is optional)
Driver Motor	servo drives
Cutting speed	0-6,000mm/min
Running speed	0-6,000mm/min
Tolerance	±0.4 mm
Display	7" color LCD screen
External format	TXT or NC format
Language	English, Chinese, Spanish, Russian, French, Japanese, Czech and Slovenia, etc.
Temperature	1-40°C (34-104 °F)



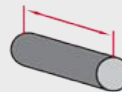
Cutting Capacity



Plasma cutting



Arc voltage Control



standard length
3 m / 6 m



Pipe OD
50 - 300 mm

Fume Extraction

Custom quotes available upon request.

AROBRO



ARTILLERY

CNC SQUARE PIPE CUTTING MACHINE

Incomparable CNC Square pipe cutting machine

Combined Style CNC Intersecting Pipe Cutting Machine is a new type small tube intersecting cutting machine developed by our company which is mainly used in the cutting of round pipe, square pipe and rectangular pipe. It can cut the straight line and any shape curve by the CNC system. And it can be equipped with flame and plasma torch to cut the carbon steel and stainless tube easily. High rigidity structure, good stability, high cutting efficiency and high precision processing. The product is high flexible, safe, easy operation, low consumption and environmental

Specifications

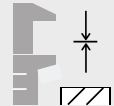
Equipment name	Artillery
Cutting mode	Plasma
Axis	5 axis 4 Linkage
Input voltage	220V single-phase
Frequency	50/60HZ
Input power	8-20KW
Display	Color LTD 15.4
Cutting speed	0-8000mm/min
Moving speed	0-12000mm/min
Rotational speed	0-10000mm/min
Auto THC	Arc voltage height controller With anti-collision
Pipe size	250mmx400mm max square pipe
Cutting length	16m, can be customized
Pipe wall thickness	16mm (Power max 125 Hypertherm)



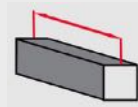
Cutting Capacity



Plasma cutting



Arc voltage Control



standard length
16m



Pipe OD:
60-400mm

Fume Extraction

Custom quotes available upon request.

AROBRO



TUBE PRO

CNC PIPE PROFILE CUTTING MACHINE

Incomparable 4-Axis Cnc Pipe Profile Cutting Machine

ArcBro Tube Pro was designed and developed to increase production and improve accuracy for your pipe cutting needs. Cutting tube diameter between 50 to 400mm (maximum 600mm), Ideal for use in food processing, construction, pipe frame, light industry. Our innovative infinite rotation cutting head, Hypertherm's plasma systems, the Libellula Tube software, and our small footprint design are combined to produce one of the industry's best pipe cutting machine.

Specifications

Type	Tube Pro
Effective diameter area (mm)	φ25-φ600mm
Longitudinal travel	>=3000mm(10ft), as long as you want
Bevel angle	Manul bevel/Auto bevel =<45°
Input voltage	Single phase, 110/220V
Power frequency	50/60Hz
Cutting mode	Plasma cut (Flame cut is optional)
Plasma power source	Air plasma power source optional
Driver motor	Hybrid servo drives
Groove	Infinite rotation
Cutting speed	1-6,000mm/min
Running speed	1-8000mm/min
THC	Arc Voltage THC & Pneumatic THC (capacitive THC is optional)
Internal library	shape library
Language	English, Chinese, Spanish, Russian, French, Japanese, Czech, etc.
Temperature	1-40°C (34-104 °F)

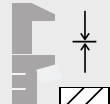
Perfect Bevel With Infinite Rotation System™



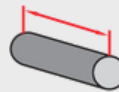
Cutting Capacity



Plasma cutting



Arc voltage Control



standard length
3 m / 6 m / 12 m



Pipe OD
25 - 600 mm

Fume Extraction

Custom quotes available upon request.

ARCBRO



AIRCUT

60A/120A/160A AIR PLASMA POWER SOURCE FOR CNC

High performance

LGK series inverter type air plasma cutting machine, is a new design of metal processing equipment, Insulated gate high power transistor IGBT and pulse width modulation (PWM) soft switching technology are used to design and manufacture.

Extensive application

The cutting machine can cut all metal materials, especially suitable for "flame cutting" can not achieve high alloy steel and non-ferrous metals. The series of cutting machines have reasonable static and external characteristics, and also have good dynamic characteristics, With high frequency arc starting function. Widely used in all kinds of machinery manufacturing industry.

Specifications

Model	AirCut-60A	AirCut-120A	AirCut-160A
Rated input voltage	3-380V/50HZ		
Rated input capacity	15.6KVA	22.4KVA	32.2KVA
Rated Output current	60A	120A	160A
Rated output voltage	160V	128V	144V
Rated load sustainability	100%		
No-load voltage	300VDC	300VDC	315VDC
Regulating range of current	30-60A	30-120A	30-160A
High quality cutting thickness	0.3-12mm	0.3-20mm	0.3-25mm
Maximum cutting thickness	20mm	30mm	35mm
Use of plasma gas	compressed air		
Working gas pressure	0.4-0.6MPa		
The cooling method of cutting torch	air-cooled	air-cooled	air-cooled/ water-cooling
Arc ignition mode	Non contact mode		
Insulation grade	F		

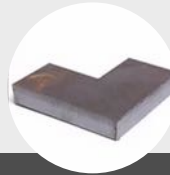
Cutting effect



16mm Carbon steel



20mm Carbon steel



16mm Carbon steel



5mm Carbon steel

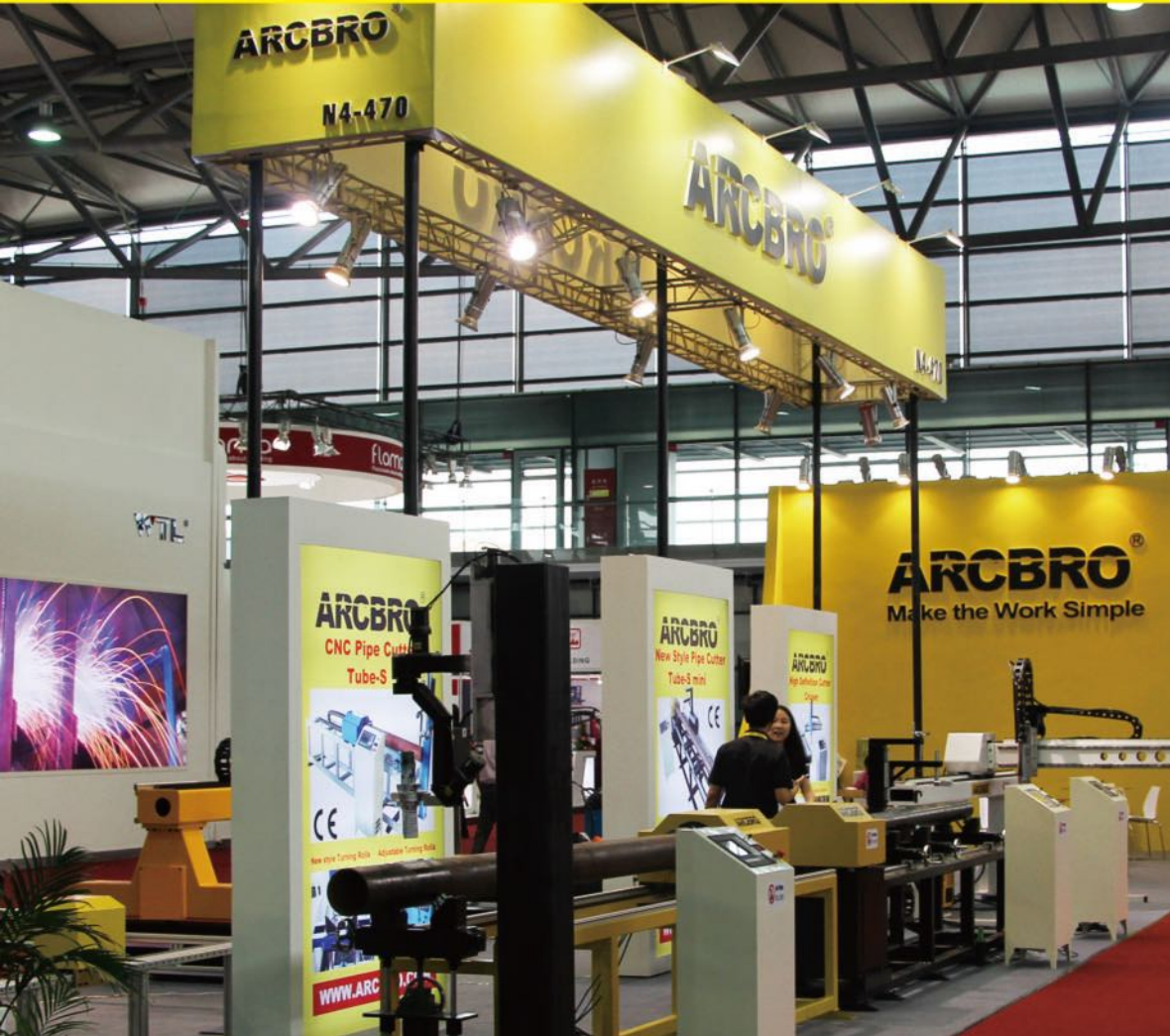
Adaptive torch

Recommend:
Hypertherm Powermax machine torch
Other optional:
P80 machine torch



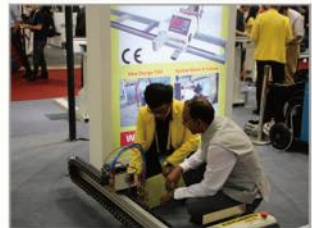
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Exhibition Show



Exhibition list for ARCBRO

Chicago	America
Sharjah	United Arab Emirates
Tokyo	Japan
Saint Paul	Brazil
Buenos Aires	Argentina
Moscow	Russian
Sao Paulo	Brazil
Bangalore	India
Jakarta	Indonesia
Kuala Lumpur	Malaysia
Ciudad de México	Mexico





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