

TUBE MINI

CNC PLASMA TUBE 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. It standard pipe cutting diameter is between 25mm to 200mm. standardize cut quality, and expand the capabilities of your works.

TUBE MINI

AN AFFORDABLE CNC PIPE CUTTING MACHINE

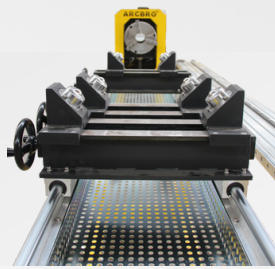
The Tube Mini Compact Pipe Cutting Machine by ARCBRO® can handle pipes with outside diameters between 2 and 8 inches.

This two-axis CNC pipe cutting machine has a small footprint and can rapidly profile aluminum, stainless steel, and mild steel pipes with ease.

Features like a floating 3-jaw chuck (optional) and a maximum cut speed of 200 ipm can reduce cycle times in both material loading and plasma torch pipe cutting.



EASY TO OPERATE



The powerful ARCBRO servo motion control technology and the user-friendly interface of Windows will provide effective and easy-to-use CNC pipe profiling technology to all users.

Shops with multiple operators will find that the highly nesting software is easy to operate, yet powerful enough to handle your most demanding cuts.

The Tube Mini Compact Cutter pairs a powerful gear train with a linear guidance system to ensure fluid motion. It also uses an auto beveling torch arm (optional) that enables the machine to cut at bevel angles between 0 and 45°. This feature is ideal for shops that need to weld prep their pipes. The standard Arc Voltage Height Control (AVHC) reads the arc voltage throughout the cut to compensate for pipes and tubes that are out of round.

HEALTH, EFFECTIVE, STANDARDIZE

The newest up and down automatic design and Dust removal design can help user fix different size pipe quickly and keep a clean work environment , keep work health and effective work.

Each feature on this machine has been engineered to increase efficiency, standardize cut quality, and expand the capabilities of your works.

Please send one of our CNC pipe cutting professionals a email any time! we'll be happy to talk with you about your applications and how the machine can improve your processes.



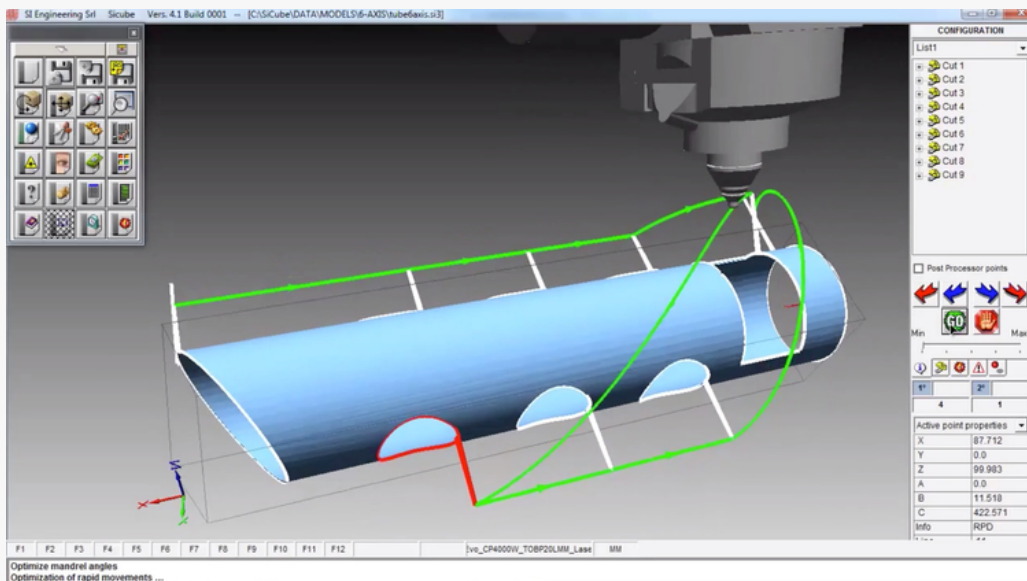
CONVENIENT AND FAST OPERATION WITH FAMOUS **LIBELLULA ITALY SOFTWARE**



Libellula is a well-known brand for 30 years, and always the best cutting software for sheet metal processing. It is installed on our standalone, multilingual operating system.

The powerful ARCBRO servo motion control technology and the user-friendly interface of Windows will provide effective and easy-to-use CNC pipe profiling technology to all users.

The visualization of the model and the geometric modifications performed on the entire part or on a particular individual part are immediate and produce a list of tools used in order to be able to modify individual parameters in real time.



The tube produced can be of any shape and the tools used are parameterized and customizable. Shops with multiple operators will find that the highly nesting software is easy to operate, yet powerful enough to handle your most demanding cuts.

TYPES OF CUTS

Straight

Saddle

Multi-Miters

Tee

Overlaps

Lateral

Multi-saddles

Gusset slots

Double miter

Elbow support

Pipe to cone

Reinforcing pad

Bumpers



KITS INCLUDES

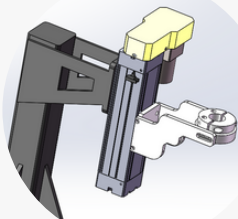
ELECTRICAL LIFT SYSTEM

Special design to lift the Headstock up and down freely, which can maximize the cutting diameter of the machine. Also since no manual adjustment is required achieved the fastest clamping.



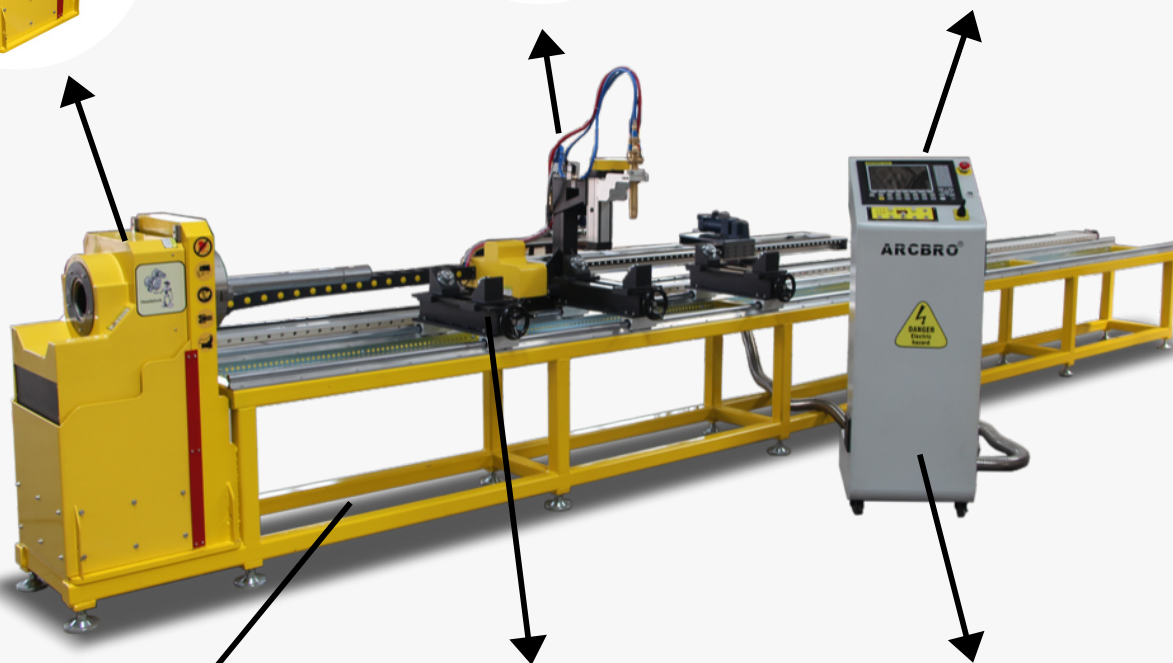
AUTO TORCH HEIGHT CONTROL

Arc voltage sensor control the plasma torch with pipe surface, to get cleaner cuts even the pipe is not that round.



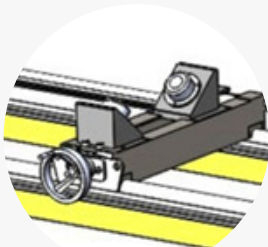
SOFTWARE

One software for all types of cutting tubes and profiles. Only Libellula Tubea software, a great technology, can do so much.



SUPPORT FRAME

Support frame is made of rigid structure steel, strong and firmly to hold up to $\varnothing 400\text{mm}$ thick pipe without deformation nor vibration.



ROLLER SUPPORTER

The support adjust the roller horizontal distance to hold large diameter range of pipe firmly.



INDIVIDUAL CONTROLLER

The multifunctional CNC system make the cutting operation more convenient.

SPECIFICATIONS

ARC
BRO

Type	Tube Mini
Effective diameter area (mm)	φ50-φ300mm
Longitudinal travel	3000mm or 6000mm
axis	2
Input voltage	Single phase, 110/220V
Power frequency	50/60Hz
Cutting mode	Plasma Cut (Flame cut is optional)
Driver motor	Hybrid servo drives
Plasma power source	Air plasma power source optional
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 and Slovenia, etc.
Temperature	1-40°C (34-104 °F)



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