



## Metal CNC Flame Plasma Cutter 51"x71" ( 1300mmx1800mm)

Item Code: PLA-LP-1318



FOB Price: **\$15,025/set**

Mini Order: 1 set

Shipping Weight: ★★☆☆☆

Average Rating: 3573.6lb (1624.35kg)

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### Overview

#### Application:

It is mainly used to cut different types of metallic materials such as armor plate, aluminum, iron, copper, etc-. If the format of the metal materials is within 51.2"x70.9"x3.5" (1300x1800x90mm), this machine can be chosen.

#### Products Highlights:

- The unit implements casting framework axis gear wheel and rack moving, XZ axis adopts precise ball bearing rail moving and imported high precision slide way, thus guaranteeing working speed and precision.
- It adopts an electrical current adjustable plasma power supply, to regulate the current according to the thicknesses of different materials, therefore preventing material decay.
- With a professional, non-touching THERMADYNE plasma head imported from `the` USA, it can cut different kinds of metallic materials within 0-10mm of thickness.
- Featuring an advanced DSP digit-control system, it can handle operation more conveniently with a large liquid crystal display, resulting in simpler maintenance.
- A unique intelligent calculation holly develops the potential of the engine and leads to high speed processing, the synchronization of curves and straight lines, smoother curves and race speed at 12m (472")/min.
- A simple upgrading system ensures that the machine is always working at full capacity.
- Contains a large internal memory capacity of 128M, with 30 programs available simultaneously and random out-putting.
- Connection via USB enables an instant data system, compatible with Window 98/NT/2000/XP.
- Most compatible with CAD/CAM software series, such as Type3, Artcam, Castmate, proe, UG, Artcut, etc.

#### About CNC Plasma Cutter:

• Plasma cutting is a process that is used to cut steel and other metals (or sometimes other materials) using a plasma torch. In this process, an inert gas (in some units, compressed air) is blown at high speed out of a nozzle, at the same time that an electrical arc is formed through that gas from `said` nozzle onto the surface being cut, turning some of that gas to plasma. The plasma is sufficiently hot to melt the metal being cut and moves adequately fast to blow the molten metal away from `the` cut. This method can also be used for plasma arc welding and other applications.

Plasma cutting is a vital procedure in any metal fabrication shop. Unlike oxy-fuel, plasma can cut stainless steel, aluminum and brass, as well as mild steel.

- CNC operation, using your PC to create shapes and control a cutting table, can produce complex cuts smoother than a handsaw in

1/20th of the time or less.

#### Warranty and After-sale Service:

- The warranty is valid for 1 year starting from the merchandise arrival at Destination Port.
- We will send our engineer to give you 3 days of training, maintenance or other technical support for free, although the buyer must afford traveling costs, lodging and accommodations of our engineer. An extra fee will be charged if the service time exceeds 3 days.
- If a standard part breaks due to a quality problem within the time covered by the warranty, the buyer should send the seller the broken part, and the seller will send a new part to the buyer as soon as possible and guide buyer on how to change it the way it has been taught in the training.
- User-friendly English manual for instructions on machine usage and maintenance.

#### Samples:



## Details

Manner of Receiving Data	USB interface or U disk
Driver	Stepper
Cutting Thickness	0.5" (12mm)
Max. Cutting Area	51.2"x70.9"x3.5" (1300x1800x90mm)
Max. Cutting Speed	393.7" (10000mm)/min

## Specifications

#### Parameters of Plasma power-Standard Value

Travel of engraving	51.2"x70.9"x3.5" (1300x1800x90mm)
Maximum speed	393.7" (10000mm)/min
Manner of receiving data	USB interface or U disk
Capacity of memory	128M
Format of instructions	G code,HPGL
Power supply	AC220/50HZ
Electric power	600W
Driving system	Stepper
Weight	617.3lb (280kg)
Plasma power supplier parameters	
Functional index	Standard Value
Input power	3?380V±20%/50Hz
Rated input current	60A
Rated input current	12KVA
Rated cutting power	60A
Rated cutting voltage	90V

Rated adj range	15-60A
Rated duty cycle	60%, 40degree
Dimensions(LxWxH)	18.9"x9.8"x17.7" (480x250x450mm)
Rating of insulation	F
Weight	88.2lb (40kg)
Machine dimension	82.7"x65.0"x57.1" (2100x1650x1450mm)
Machine weight	705.5lb (320kg)
Package	Fumigation free package
Packing size	96.5"x76.8"x67.0" (2450x1950x1700mm)
Gross weight	1102.3lb (500kg)



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