

CATÁLOGO CORTADORA DE PLASMA


Our plasma can cut 0.3-30mm; our oxygen can cut 5-150mm
 Our machine can both cut by plasma and oxygen

Quotation details

Main parts	1500*3000mm/1500*2500mm working area; Shanghai Fangling controller, Star cam software; Linear guide, big power stepper motor; both flame and plasma cutting tools; With plasma power source ; with plasma source source; THC(automatic torch height controller)
Delivery time:	10 days after get payment;
Package:	3 or 4 free-fumigation wooden case;
Shipping	delivery from Qingdao port;
Warranty:	one year for whole machine, you could get spare parts within warranty period;

Technical Specification

	DT-25	DT-30
Model	DT-25	DT-30
Effective cutting range(mm)	1500×2500	1500×3000
Cutting speed (mm/min)	50-4000(max. 4000)	

Input power source	380V±10% VAC,50/60HZ 220W Three phase	
Machine body	220V±10%V AC, 50/60HZ, 220W Single phase	
Flame cutting specification (for Oxy-fuel Cutting)		
Flame Cutting thickness (mm)	5-150 (Oxygen + acetylene or propane)	
Torch height controller	Gas, electric height adjustment(±60mm)	
Flame cutting gas	Oxygen+ propane or acetylene	
Cutting torch	One piece flame cutting torch	
Plasma cutting specification (for Plasma Cutting)		
Plasma Cutting thickness (mm)	0.3-30mm (based on plasma power)	
Torch height controller	Plasma, Arc voltage height(THC)	
Plasma cutting gas	N2, O2, compressed air	
Plasma cutter	63A-160A	
Cutting torch	5m wire plasma torch	
CNC controller system	FL2100B (FLCNC optional)	
Motor	Stepper motor	
Operation precision	±0.2mm/m	
Guide length × width × thickness (mm)	3000×273×60	3500×273×60
Nesting software	SmartNest Or Fastcam	
Gas pressure (Mpa)	Maximum 0.1, Maximum 0.7	
Cutting tool Conversion Kit	Conversion kit is available to modify oxy-fuel configured machine into plasma cutting configuration, and vice versa.	

Main parts of machine

1, Shanghai Fangling brand Control system

with 7inch touch screen, with built - in 48 figures, you could choose pattern from these figures directly, very convenient.



2, Chinese best brand LK IBT plasma power source; L-160A;



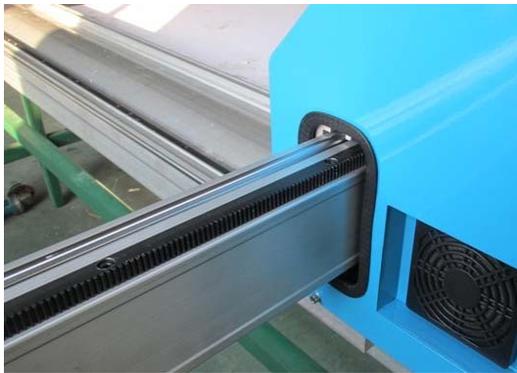
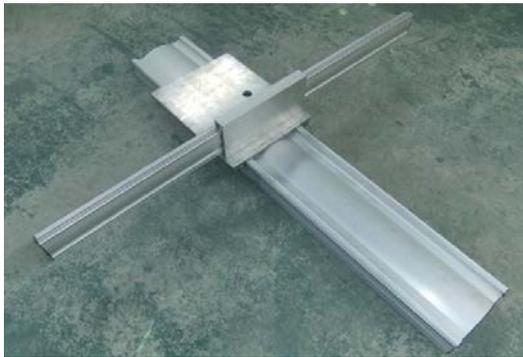
Water tank only used for 160A

- ◆Graphic display function
- ◆English interface and other 9 languages(Chinese, English, Russian, Spanish, Portuguese, Nederland, French, Japanese, Korean)

- ◆Excellent graph library ,48 graphics
- ◆steel plate correction function
- ◆Kerf can be automatically compensated
- ◆Cutting can continue when power fails
- ◆Continuous return can be done
- ◆Positioning and cutting can be done randomly
- ◆ Off-line cutting can be done:
- ◆Online upgrading function

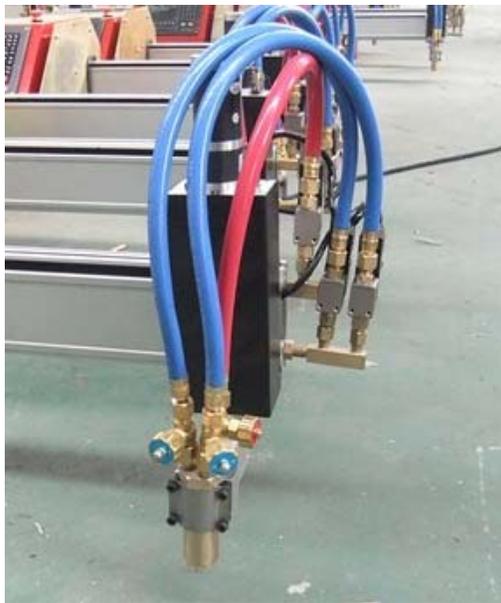
- ◆Use soft switch inverter technology, to make cutting current very stable;
- ◆Cutting current rise slowly, reduce consumption of cutting parts;
- ◆Has a wide adaptability to grid voltage;
- ◆Unique dust-proof design, high reliability;
- ◆Compact structure, small volume, light weight, can be installed on many kinds CNC machines;
- ◆Cutting air could be compressed air, which is cheap; cutting cost is very low;
- ◆Cutting current could preset accurately ,stepless adjustable;
- ◆With plasma gas pressure test function and instructions function;
- ◆Have function of test gas, easy to adjust air pressure;
- ◆ Have automatic protection function against over-voltage, under-voltage,overheating & phase failure.

3, Big size Track, use high precision linear guide, and light weight alloy-aluminum horizontal rail, not easy become deformation.



- ◆Use gapless rack and pinion in walking department,
- ◆Use stepper motor with stepper motor driver, START brand;
- ◆Vertical track use Linear guide from Taiwan, high precision and operate more stable;
- ◆Horizontal rail is alloy-aluminum in light weight, not easy be deformation;
- ◆use axis type linear guide in horizontal rail, reduce abrasion to beam and make sure high precision.

4, Flame cutting torch High pressure trachea, Longteng brand



- ◆Chinese brand: Longteng
- ◆It is made of high quality forging brass.
- ◆Balanced pressure structure design.
- ◆It adopts silver solder, which can effectively avoid leakage.
- ◆O.D.of the tube:30 mm

5, Insulation board



◆Insultion board :
used to Protect the Control system and Circuit

6, Cutting torch,



Flame
torch



Plasma
torch

◆Flame cutting torch is fixed, plasma cutting torch is
the type.
the torch and plasma torch could be changed
easily.

7, STARCAM software,
professional software used on
plasma cutters.
you also could use other CAD/CAM
software.



◆Used to drawing arbitrary shapes of spare parts,
NC cutting and programming, nesting;
◆can increase the rate of steel nesting, save
materials effectively;
◆Improve the working efficiency of programming,
nesting and cutting work, then improve the cutting
efficiency.
◆Automatic common line cutting is in the process
of automatic nesting function, could realization
common line cutting between rectangular parts and
non rectangular parts; i.e. any parts of different side
length automatic common cutting, no need manual
editing,
◆In order to prevent and avoid deformation of
thermal cutting, Fastcam could set cutting direction
and the location of perforation automatic, will directly
cutting preheating on cutting edge, avoid perforation.

8, THC(torch height control); It is optional part.



◆If metal sheets are rugged, should use THC to adjust distance from torch to metal surface.

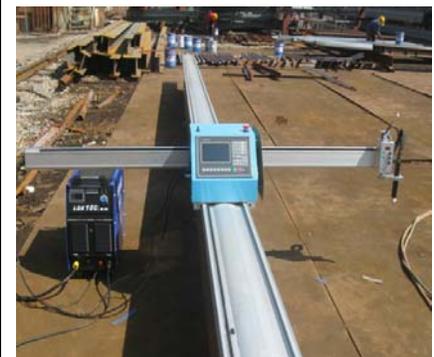


Machine working photos



Common patterns in system

Machine working photos





used to cut 0mm to 160mm metal sheets, the metal sheet could be iron, stainless steel, aluminum, copper, Titanium, tin and many other kinds metal. Widely used in trucks, trailers, motorcycles, pressure vessels, general machinery, steel structure, ship and so on.

Package



Cutting sample

