

DAMA

POWER Series High Speed CNC Flame / Plasma Cutting Machine

ISO9001:2000



Features

1. Gantry design for heavy duty: Ensuring, both precision and reliability.
2. Two full sized saddles, running on longitudinal guide rails: Giving high precision and durability.
3. Equipped with high performance AC servo drive system: Positioning and contouring speeds up to 18 mm/min.
4. The transverse guide is hardened roll bar, durable and easy cleans.
5. 300mm width transverse guide, stability and precision even with heavy torch suspension units.
6. Transverse energy feed chains: Giving efficient transportation of hoses and cables.
7. Gas control consol near the operation panel : Providing a convenient operation.
8. Plasma torch arc- voltage (AVC) height sensing system, with precise initial height torch setting , with integrated torch collision protection and automatic torch centering.
9. Powerful & ease to use Windows-XP PC based CNC.
10. LCD touch screen and full color high-resolution graphic display.
11. 50 preprogram and choice of CAD/CAM to suit all applications.
12. Multiple input for parts program loading, 1.25 inch floppy disk, USB and RS-232 /RS422 interface.
13. Can direct read CAD'S DXF or DWG file to do cut.
14. Multiple choice for cut loss go-back, easy operation.

SPECIFICATIONS

Model	POWER 2500	POWER 3100	POWER 4000	POWER 5000	POWER 6000	POWER 7000	POWER 8000	POWER 9000
Effective cutting width A	2500 mm	3100 mm	4000 mm	5000 mm	6000 mm	7000 mm	8000 mm	9000 mm
Rail span B	3500 mm	4100 mm	5000 mm	6000 mm	7000 mm	8000 mm	9000 mm	10000 mm
Effective cutting length	6500 mm +(X)							
Rails length	9000 mm +(X)							
Cutting speed	1 ~ 6000 mm/min							
Marking speed	12000 mm/min							
Rapid speed	18000 mm/min							
Cutting thickness	3 ~ 300 mm (Flame cutting)							
Two torches minimum distance	155 mm							
Hole piercing	200 mm (1 torch) (Flame cutting)							
Gas supply	Oxygen and LPG or Acetylene							
Power supply	3 phases, 220V, 50-60Hz, 5KVA or on request							

CNC controller :

- ▶ Industrial PC Based NC controller : BURNY 10 Plus SHAPE-CUTTING CONTROL
- ▶ Industrial Grade LCD 15" Touch Screen and Windows XP-based operation system
- ▶ With Cycle Start 、 Cycle Stop 、 Go To 、 Reverse Industrial Grade Membrane panel controls
- ▶ 1GB SRAM 、 80 GB hard drive and 1.44MB floppy drive 、 USB and RS232/RS422 interface
- ▶ 50 pre-programmed commonly used standard shapes

Option	1. Powder marking torch		2. Flame torch height sensor (capacitive)		3. Electrical ignition unit	
	4. Water Spray		5. Rail's extension unit : Per 3000 mm/unit (X)		6. Air Scribe	
7. Plasma	Hypertherm Hyperformance plasma HPR-130XD, HPR-260XD, HPR-400XD, HPR-800XD					
	Hypertherm High speed plasma HSD-130 (130A), High speed HT-2000 (200A)					
	Powermax 1650 plasma (100A), MAX200 (200A)					
	DAIHEN OTC D12000 air plasma					
	Others					

This information is subject to change without prior notice.

