

### **POWER** Series

# High Speed CNC Flame / Plasma Cutting Machine



#### **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.
- $\hbox{7. Gas control consol near the operation panel: Providing a convenient operation.}\\$
- 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.



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#### **SPECIFICATIONS**

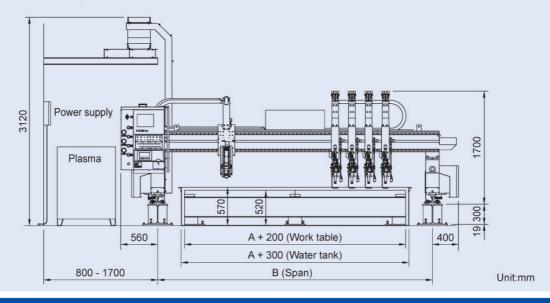
Model	POWER 2500	POWER 3100	POWER 4000	POWER 5000	POWER 6000	POWER 7000	POWER 8000	POWER 9000	
Effective cutting width A	2500 mm	3100 mm	4000 mm	5000 mm	6000 mm	7000 mm	8000 mm	9000 mm	
Rail span B	3500 mm	4100 mm	5000 mm	6000 mm	7000 mm	8000 mm	9000 mm	10000 mm	
Effective cutting length	6500 mm +(X)								
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

	1. Powder marking torch		2. Flame torch height sensor (capacitive)	3. Electrical ignition unit		
	4. Warter Spray		5. Rail's extension unit : Per 3000 mm/unit (X)	6. Air Scribe		
Option	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.



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