






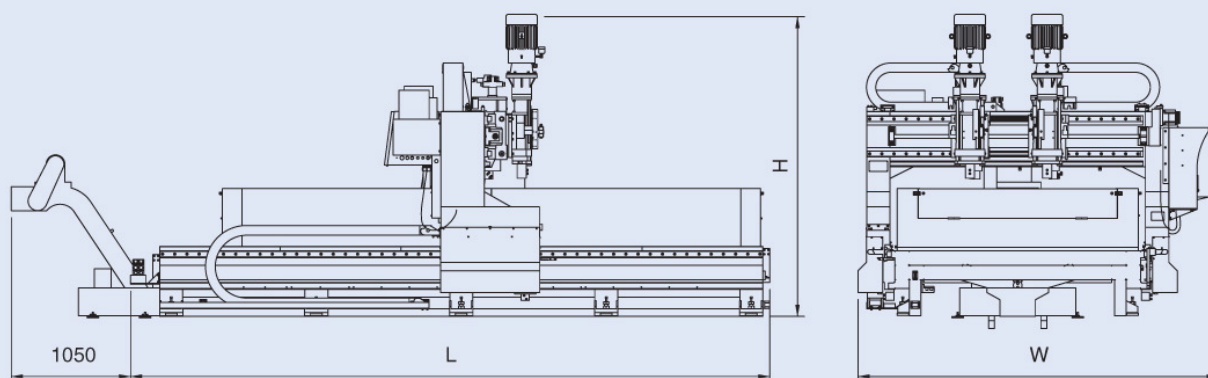
Features

1. With interactive command and color display, easy learn and easy operation.
2. With linear, matrix and flange drill pattern. It would not need the G, M code program.
3. With simulation function, it also can indicate which hole will be drilling by move coarser.
4. It is possible to read the DXF file and display the hole pattern as well as outward of plate on screen.
5. DAMA'S drill machine is a strong gantry structure, it needs space save 1/2.
6. DAMA'S drill machine is a compact design. The gantry machine, CNC controller, hydraulic power system those were integrated.
7. The distance of two spindle that can be adjusted by hand-wheel and two spindle also can be active individually or simultaneously to reach the flexible goal.
8. With keep tight equipment to insure machine stable while machine is drilling.
9. The alignment and hydraulic fixture of plate which are two in one designed, the plate load, unload, clamp quickly and convenience.
10. The machine with four work area on the table, while one side of table is working another side of table allow user to load or unload plate. Thus, the machine there is no idle time and twice the amount of drilling.
11. With avoid spraying designed to save cooling water and keep the environment clean.
12. The spindle unit with automatic initial high for drilling:
The spindle unit is provided with a sensitive self-controlled speed change function for rapid reach to plate then change to preset speed for drills. The user does not need consider the tool length and set automatic broken chip during drilling to enhance efficiency.
13. The spindle rpm control by inverter and the number of rpm is displayed on LCD. The user change rpm by knob adjusted.
14. Program hold can be active in any time while the tool dull, after replace tool, easy return and restart.
15. With center drilling function, providing user easy check the hope pitch of plate.
16. The machine is provided with Auto-Off function. This function suit a large plate and there is a lot of hole to be drilled on night work.
17. It is also option the chip conveys, for chip collect and clean.

SPECIFICATIONS

Model	DMD-1224	DMD-1235	DMD-1635	DMD-1640
Plate thickness	100 mm			
Diameter (standard)	ø16 ~ ø50			
Number of spindle	2			
Gear ratio	1:8			
Spindle rpm	160 ~ 330 rpm			
Spindle motor	7.5 HP			
Inverter	7.5 HP			
Hydraulic unit (feed)	2 HP			
X,Y servo motor	AC servo			
Work area	Plate dimension L x W mm			
One area 	1200 x 2400	1200 x 3500	1600 x 3500	1600 x 4000
Two area 	1200 x 1150	1200 x 1700	1600 x 1700	1600 x 1950
Four area 	550 x 1150	550 x 1700	750 x 1700	750 x 1950
X,Y positioning speed	8000 mm/min	8000 mm/min	8000 mm/min	8000 mm/min
Number of hydraulic fixture	8 sets	12 sets	12 sets	16 sets
Number of alignment	4 sets	4 sets	4 sets	4 sets
Power supply	3ø, 220V, 20 HP	3ø, 220V, 20 HP	3ø, 220V, 20 HP	3ø, 220V, 20HP
Machine weight	4.5 T	5.0 T	6.0 T	8.0 T
Machine dimension (L x W x H) mm	3470 x 3400 x 2750	4570 x 3400 x 2750	4570 x 3800 x 2750	5070 x 3800 x 2750
Chip convey	standard	standard	standard	standard

This information is subject to change without prior notice.



DAMA

DMP Series CNC Plasma cutting machine

Compact & Professional **ISO9001:2000**



Features

1. The portal of the DMP is made from an extremely strong and rigid structure, designed to meet the requirements of thin to medium thickness plasma applications.
2. The cutting table is integrated with the machine and equipped with fume extraction device.
3. There are 2 layers for table, upper for cutting area, lower one for sealed fume suction channel, easy to clean the cutting dross & pick up the parts & ensure the fume extraction performance in optimization.
4. The machine longitudinal and cross axis drives with rack, pinion and liner guide to do direct drive, especial the synchronized double side drives for the longitudinal axis, ensure the machine high speed traveling under stability.
5. DAMA plasma height sensor (STHC) with AVC control & magnetic anti-collision device.
6. Extra loading flame cutting torch is available, option with a flame cutting kit, up to 100mm for thicker carbon steel plate cutting.
7. Recommended option for outer bag type filter system that can be either located by customer side or provided by DAMA.
8. Powerful & ease to use Windows-XP PC based CNC.
9. LCD touch screen and full color high-resolution graphic display.
10. 50 preprogram and choice of CAD/CAM to suit all applications.
11. Multiple input for parts program loading, USB interface, RS-232 interface and Ethernet or wireless.
12. Both CAD's dxf and dwg files can be read directly for cutting.

SPECIFICATIONS

Model	DMP-1530	DMP-1560	DMP-1830	DMP-1860	DMP-2030	DMP-2060
Effective cutting width	1524 mm	1524 mm	1800 mm	1800 mm	2000 mm	2000 mm
Effective cutting length	3100 mm	6100 mm	3100 mm	6100 mm	3100 mm	6100 mm
Machine space (W x L) mm	3000 x 4500	3000 x 8000	3300 x 4500	3300 x 8000	3500 x 4500	3500 x 8000
Longitudinal drive	Dual AC Servo Motor / Rack / linear guide					
Transverse drive	AC Servo Motor / Rack / linear guide					
Cutting Speed	100 ~ 6000 mm/min					
Rapid Speed	18000 mm/min					
Plasma torch	DAMA STHC (AVC Control)					
Height sensing control						
Plasma cutting capacity	1 ~ 50 mm, Refer to plasma model					
Plasma gas	Refer to plasma model					
Power supply (CNC use)	3 phase, 220V, 60 Hz, 5KVA					
Power supply (plasma)	Refer to plasma model					

Fume suction table as standard

PC Based NC controller : BURNY 10 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.
- ▶ 1G SRAM 、 80 GB hard drive and 1.44MB floppy drive and USB interface.
- ▶ 50 pre-programmed commonly used standard shapes. Accepts either ESSl or EIA RS274-D programming formats.

Option	1. Oxy-Fuel gas cutting kit	
	▶ One gas torch with motorized torch lifter and station	
	▶ Electric regulator & pressure gauge	
	▶ Oxy-Fuel cutting logic sequence control & operation panel	
Plasma	2. Zinc powder marking torch	
	3. Bag type filter system with 7.5 HP Fan motor.	
	HYPER THERM	HPR-130XD (130A)
		HPR-260XD (260A)
		HPR-400XD (400A)
	HSD-130 High speed plasma (130A), MAX200 plasma (200A)	
	Powermax 1650 plasma (100A)	
	DAIHEN	OTC D12000 Air plasma (120A)
	Other	

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DAMA

JOINT PLATE CNC HIGH SPEED DRILLING CENTER




ISO9001:2000



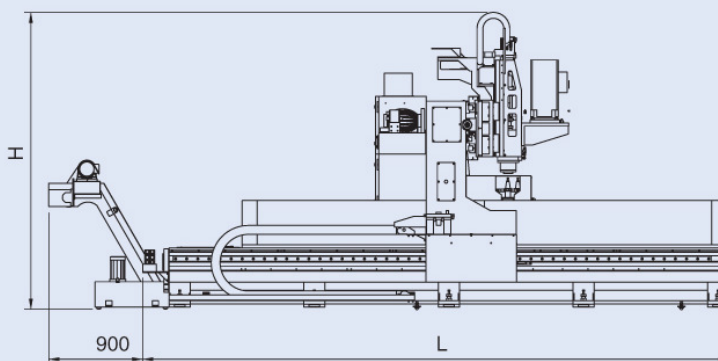
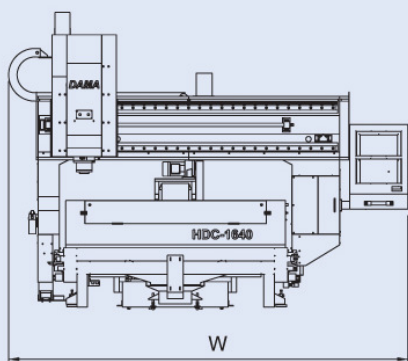
Features

1. HDC-1640 with high speed spindle up to 2500rpm, support cooling thru spindle & rigid taping for heavy duty drilling & high efficiency.
2. Best solution for nowadays high speed drilling plate with holes. More than double efficiency than hydraulic feeding drilling machine.
3. CNC system: Dama-Syntec Special purpose CNC system, Windows CE base for plate drilling jobs with ease operation interface.
4. Rigid PMC BT 40 taper spindle, drilling diameter from 8~50mm for most usage of steel construction, joint plate, heat changer plate.
5. Max drilling thickness up to 100mm, users can load many plates as layers & drills in one term.
6. Support Rigid Tapping from M8~M32 for steel construction jobs or machine parts requested.
7. 4 basic working area, during one area under drilling, operators can load in & load out other work-pieces to reduce the idle time.
8. Users can set up more than 4 sets of program home position, pre-arrange different drilling jobs on the same working table.
9. Standard 10T umbrella type ATC with tool life management, users can set up the max Z feeding distance, once over the setting value, the machine will change the tools automatically.
10. Chain type of Chip conveyer can help to clean the chip after drilling with convenience, most chip will move & load into the chip cart for easy recycling.
11. Longitudinal axes (2 sides) with Auto clamping device, they will hold & clamp the machine body tightly during drilling & enhance the machine stability.

SPECIFICATIONS

Model			HDC-1640		
IPC CNC controller (Taiwan Syntec 10A)			10.4" LCD color display part program loading: ▶ USB port ▶ RS-232, RS422, Serial Port ▶ 10 / 100 MB Ethernet RJ45		
High Speed High precision spindle (Taiwan PMC)			BT 40 spindle Rotary coupling, standard for cooling-thru tools. Adopting with spindle air cooling system & air positive pressure system to protect the spindle.		
Spindle motor & inverter			20 HP		
Spindle rpm			200 ~ 2000 rpm		
Drilling capability (Material thickness)			ø6 ~ ø50 (6t~100t)		
Tapping capability			M8 - M30		
X,Y AC servo driver and motor			1 kW		
Z AC servo driver and motor			2 kW driver and motor with brake		
Positioning speed			X, Y:12000 mm/min, Z:6000mm/min		
Positioning accuracy			≤±0.1mm		
Reproducibility accuracy			≤±0.02mm		
Verticality Accuracy			≤0.05 / 300 mm		
ATC Tool Change			10 Tools Umbrella Type		
Tool length (attach Auto measurement)			170 to 300 mm		
Work area			Plate dimension		
One area	Two area	Four area	L x W mm		
			1600 x 4000	1600 x 1950	750 x 1950
Number of hydraulic fixture			16 sets		
Chip conveyer			standard		
Cooling recycling system & water tank			High pressure coolant		
File transfer software for (DXF to G, M code)			standard		
Power supply			3ø, 220V, 20HP		
Air pressure			4 kg/cm ²		
Machine weight			8.0T		
Machine dimension (L x W x H)			5070 x 3800 x 2750 mm		

This information is subject to change without prior notice.



DAMA

HYPERCUT Series (Gantry type) High Performance CNC 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. Linear guide for transverse precision and durable.
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. Hypertherm High-End CNC controller EdgePro, ArcGlide plasma height sensor and HPR Hyperformance Autogas plasma as standard.
8. Phoenix software built-in cut charts for automatically setting process parameters.
9. Built-in CutPro™ Wizard easy use.
10. 15" Glass touch screen and Windows XP operation system.
11. RAM≥1GB、SATA hard drive、two USB ports、two Ethernet ports and RS422、RS232 ports.
12. Software utilities: Part Program Support (PPS), Remote Help, networking, Autogas support.
13. DXF import, and simple shape nesting.
14. Option MTC ProNest software for plasma True Hole cutting.

SPECIFICATIONS

Model	HyperCut 2500	HyperCut 3100	HyperCut 4000	HyperCut 5000	HyperCut 6000	HyperCut 7000	HyperCut 8000	HyperCut 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							
Rapid speed	18000 mm/min							
Power supply	3 phases, 220V, 50~60Hz, 5KVA or on request							

CNC controller : EdgePro

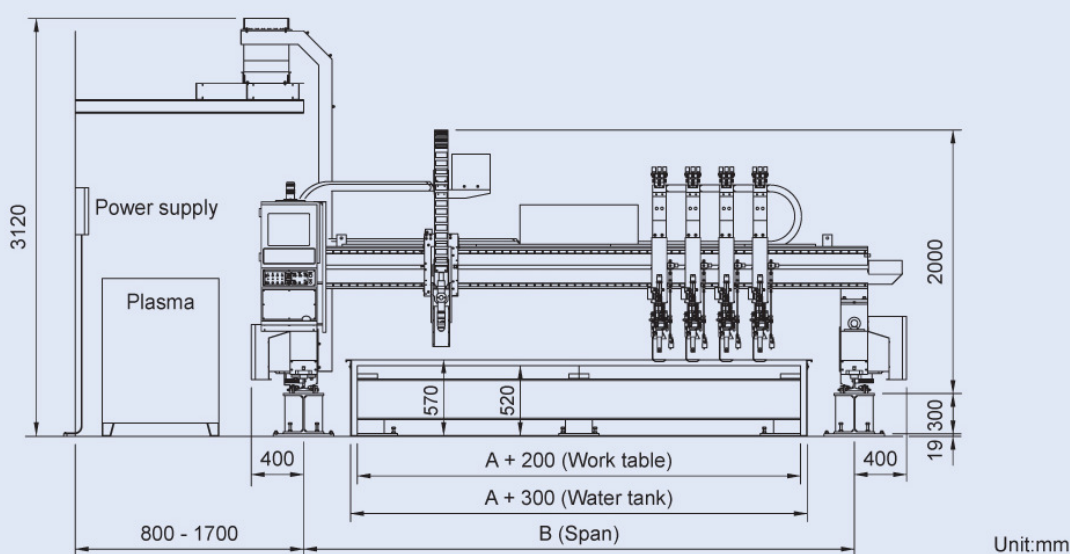
- ▶ Phoenix software built-in cut charts for automatically setting process parameters.
- ▶ Built-in CutPro™ Wizard easy use.
- ▶ 15" Glass touch screen and Windows XPe operation system.
- ▶ RAM≥1GB 、SATA hard drive 、two USB ports 、two Ethernet ports and RS422 、RS232 ports
- ▶ Software utilities: Part Program Support (PPS), Remote Help, networking, Autogas support, DXF import, and simple shape nesting.

Plasma height sensor : Hypertherm Arc-Glide THC

Hypertherm HyPerformance Plasma : HPR-130XD, HPR-260XD, HPR-400XD, HPR-800XD

Option for Oxy-Fuel cutting	1. Oxy-Fuel gas cutting kit ▶ One Oxy-Fuel torch with motorized torch lifter and station ▶ Regulator & pressure gauge and manifold ▶ Oxy-Fuel cutting logic sequence control & operation panel	
	2. Add Motorized Oxy-Fuel torch	3. Oxy-Fuel cutting torch height sensor (capacitive)
	4. Zinc Powder marking torch	5. Warter spray
	6. Electrical ignition unit	7. Rail's extension unit : Per 3000 mm/unit (X)
	8. Air Scribe	9. MTC ProNest software for plasma True hole cutting.

This information is subject to change without prior notice.



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
	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		

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