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() Industrial Area 2, P.O Box: 41007, Sharjah-U.A.E

شركة لاروزا اللوات و المعدات التعديدية ذ.م.م TOLL FREE : 800 527672

GANTRY TYPE CNC PLASMA CUTTING MACHINE

MODEL : GSII - 4000



TECHNICAL DATA:

	Main Frame	Medium Gantry	
	Machine Size (mm)	4000*14000mm	
	Effective Cutting Area (mm)	3200*12000mm	
	Optional Size :	Available	
MACHINE	Max. Travelling Speed (mm/min)	12000mm/min	
BODY	Cutting torch lifting distance	170mm	
	Longitudinal position accuracy	± 0.2 mm/1000mm	
	LongitudinalRepeatability	± 0.2 mm/1000mm	
	Speed setting error	0	
	THC accuracy	±0.2mm	
	Oxy-fuel cutting torch station number	1	
	Oxy-fuel cutting torch number	1	
	Oxy-fuel cutting thickness	6-150mm by 1 flame torch	
	Oxy-fuel Torch height sensor	Yes, with capacitor sensor THC	
	Oxy-fuel Torch Ignition system	Yes, Supplied with	
	Plasma cutting torch number	1	
CUTTING	Plasma Torch height sensor	HUGONG brand ARC voltage THC	
TORCH	Plasma Torch Anti-collision	Yes, Supplied with	
	Plasma dross free thickness	14mm	
	Plasma Piercing thickness from middle	22mm	
	Plasma cutting from edge thickness	38mm	
		105A 12mm 2060mm/min	
	Plasma Cutting Speed	105A 20mm 940mm/min	
		105A 32mm 370mm/min	

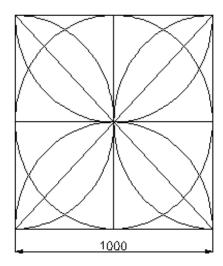
HUGONG WELDERS



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CNC CUTTING ACCURACY DESCRIPTION

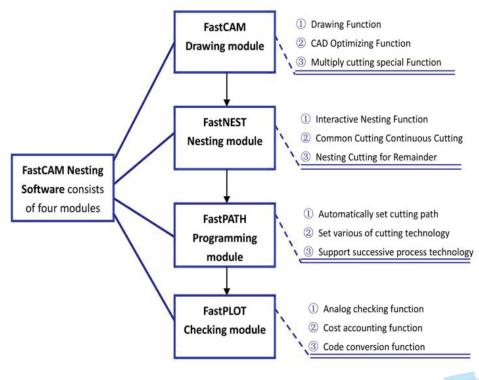
1	Speed difference to pre-set	Unit	0
2	lengthwise accuracy	mm	≤±0.2mm/10000mm
3	4 sides accuracy	mm	±0.5 mm/1000mm
4	Diagonals accuracy	mm	±0.5 mm/1000mm
5	Repeating accuracy	mm	±0.2 mm/1000mm
6	Crossover point	mm	±0.2 mm/1000mm
7	turning back to start point	mm	±0.2 mm/1000mm



PROGRAMMING AND NESTING SOFTWARE (FASTCAM)

FastCAM is powerful CADD Plotting Software Specially used for number control cutting and it can Read CAD DXF files and chooses and output the NC Files of different controllers; In addition, it can do speed Cutting obviously, Heighten cutting quality and thus Improve the social and economic benefits.





HUGONG welders

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HUGONG STANDARD THC

- Power supply: AC24±5%
- Lift motor: DC24V DC Motor
- Drive motor: PWM
- Output current: 1A-4A
- Working temperature: -10-60
- Divided voltage ratio:100:1
- Accuracy: ±1V-±5
- Running transfer: alternative ARC transfer and pierce transfer
- Outer dimension: 310*270*95mm

PLASMA TORCH ANTI-COLLISION SENSOR THC



THC FUNCTION



SERVO MOTOR: TO WORK WITH GEAR BOX AS AN ASSEMBLY

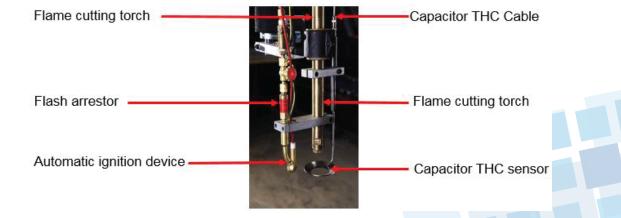
- Japan brand product
- Panasonic brand, AC servo motor is used for movement driving.
- AC 450W

GEAR BOX: TO WORK WITH SERVO MOTOR AS AN ASSEMBLY

- Germany famous brand
- Rotation ratio: 40:1
- Minimum constant working life: 20,000.00 hours
- Speed: 30,000r/min
- 10 years without problem, no need for maintenance

HUGONG WELDERS

FLAME CUTTING ASSEMBLIES:











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1. 1 set of oxy-fuel torch: AMERICAN BRAND GENTEC TORCH

GENTEC Torch Handles and Cutting Attachments are machined from high quality forged brass. Torch Handles feature Tube-in-a-Tube design for high handle strength. Cutting Attachments feature a spiral tube mixer design which optmize fuel/oxygen mixture. Stainless steel tubes and lever provide strength and durability. "A" hose fitting, 3/8"-24.

2. Automatic capacitor THC

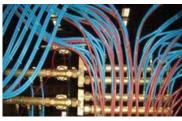
- Power supply: AC24V±10%,5A
- Sensing height: 2-30mm, 15mm is best
- Accuracy: ±0.2mm
- Motor: DC motor
- THC Working temperature: -10-60°C
- Sensor head working temperature: -10-200°C
- IP 64: dust proof
- IP16 industrial Terminal, 4 core and 6 core
- 3. 3 sets of gas hose are installed:
 - 1 set of Cutting oxygen hose,
 - 1 set of preheating oxygen hose,
 - 1 set of fuel gas hose
- 4. 1 set of Auto-ignition:
 - It consists of ignition torch, ignition signal cable, fuel gas hose and bracket.
 - Operator controls ignition by pushing button on controller panel.
 - Maximum Space from ignition torch to Gentec torch is 100mm.
- 5. Flash arrestor to prevent burning back.
 - For operator and equipment safety

HG613 CONTROLLER:

- A fashionable and separated cabinet
- Cabinet carries HG613 controller and Electrical parts.
- 15 inch, 1024*768, high definition 16 million colors and high brightness LCD
- 64M SDRAM
- available for user: 256M or 1G electronic hard disk
- USB: USB 1.1 front interface
- full-steel structure which defends electromagnetic radiation, interference and static electricity.
- Parameters backup and online upgrade.
- Chinese/English file system and menu, and the menu can be switched only by one key.
- 45 categories different graphics(including grid pattern), chip part and hole part are alternative.
- Support the EIA code (G code) and various FastCAM, FreeNest, SmartNest, IBEsoftwares.
- Compact keyboard design and easy to input files.
- Graphics have some operations such as Proportion, Rotate, Mirror.
- Graphics can be arrayed in matrix, interaction, stacked modes
- All input and output port type and the number can be customized (normally open or normally closed)
- Provide a front USB interface for copying files.







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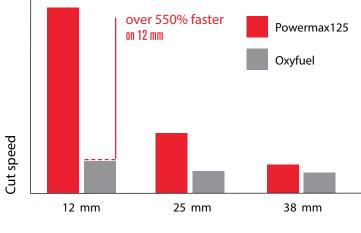
Hypertherm[®] Powermax125[®]

Professional-grade plasma metal cutting and gouging system for handheld cutting 38 mm and mechanized piercing 25 mm.

Capacity	Thickness	Cut speed
	Cutting	
Recommende	d38 mm	457 mm/min
	44 mm	250 mm/min
Severance (hand cutting)	57 mm	125 mm/min
Pierce*	25 mm	
	*Pierce rating for handheld use	e or with automatic torch height control
Capacity	Metal removal rate	Groove profile*
	Gouging	
Typical gouge	12,52 kg/hr	4,3 mm–7,9 mm D x 6,1 mm-
	*Actual groove profile varies w	ith torch angle arc stretch and technique

Actual groove profile varies with torch angle, arc stretch, and technique

Relative cut performance on mild steel



Thickness

MAXIMUM PRODUCTIVITY

- Finish jobs faster with cut speeds 5 times greater than oxyfuel on 12 mm mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.
- Maximize your cutting time with 100% duty cycle.

LOW OPERATING COSTS

• Reduce costs with consumable life up to four times longer than other systems in this amperage range.

• Electrode end-of-life detection protects the torch and workpiece from damage by automatically stopping power when the electrode is overused.

EASY-TO-USE FOR CUTTING AND GOUGING

• No need to change the air pressure. Smart Sense[™] technology ensures that it is always correctly set.

• Tackle different jobs with multiple, easy-to-use torch styles. BUILT AND TESTED TO WITHSTAND THE HARSHEST CONDITIONS

• Duramax[™] Hyamp torches are designed for high-impact and heat resistance.

 SpringStart[™] technology ensures consistent starting and a more reliable torch.

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Low maintenance for maximum uptime.

Hypertherm®