



TABLE TYPE CNC PLASMA CUTTING MACHINE C/W MAXPRO 200
Model: GSII-3015TD - MAGICAL SHEAR

MACHINE STRUCTURE:



TECHNICAL DATA:

ITEM	DESCRIPTION	Magicalshear3015
MACHINE BODY	Main Frame	Table Style CNC
	Machine size(mm)	1800*3500mm
	Effective Cutting Area (mm)	1500*3000mm
	Optional Size :	1500*4000/5000/6000mm 2000*4000/5000/6000mm
	Max. Travelling Speed (mm/min)	12000mm/min
	Cutting torch lifting distance	170mm
	Longitudinal position accuracy	± 0.2 mm/1000mm
	Longitudinal Repeatability	± 0.2 mm/1000mm
	Speed setting error	0
	THC accuracy	±0.2mm
HYPERTHERM POWER SOURCE (MAXPRO 200)	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
	Plasma Torch height sensor	HUGONG brand ARC voltage THC
	Plasma Torch Anti-collision	Yes, Supplied with
	<u>MILD STEEL</u>	
	Quality cutting	20mm
	Pierce Thickness	32mm
	From edge	75mm
	<u>STAINLESS STEEL</u>	
	Quality cutting	20mm
	Pierce Thickness	25mm
	From edge	64mm
<u>ALUMINUM</u>		
Quality cutting	20mm	
Pierce Thickness	32mm	
From edge	75mm	
Plasma Cutting Speed	200A 12mm	2790mm/min
	200A 20mm	1415mm/min
	200A 32mm	630mm/min

HUGONG WELDERS

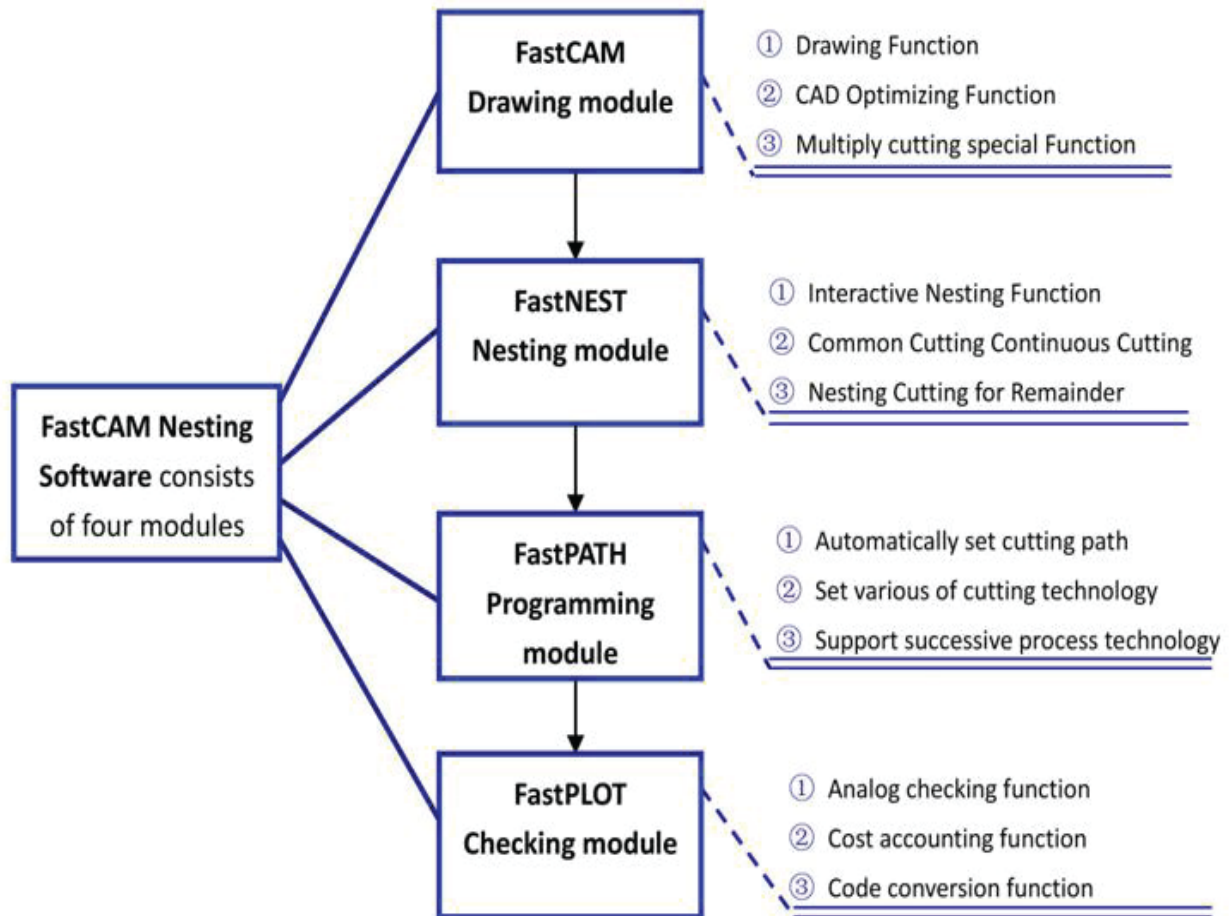


Programming and Nesting Software (FastCAM)

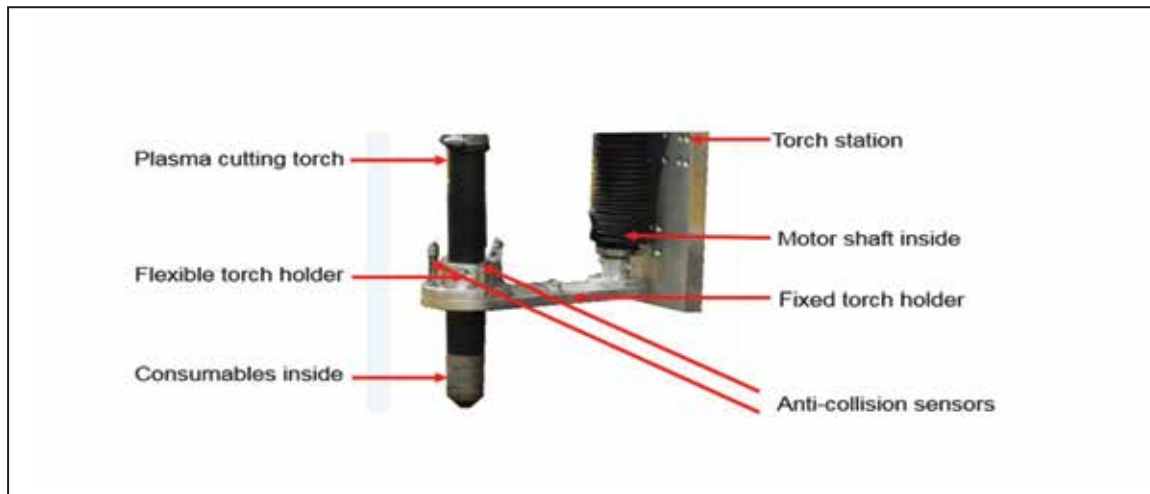
FastCAM is powerful CADD Plotting software
Specially used for number control cutting and it can
Read CAD DXF files and chooses and output the NC
Files of different controllers; In addition, it can do speed
Cutting obviously, Heighten cutting quality and thus
Improve the social and economic benefits.



The World Standard in Profiling Software



• Plasma torch Anti-collision sensor



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

Panasonic



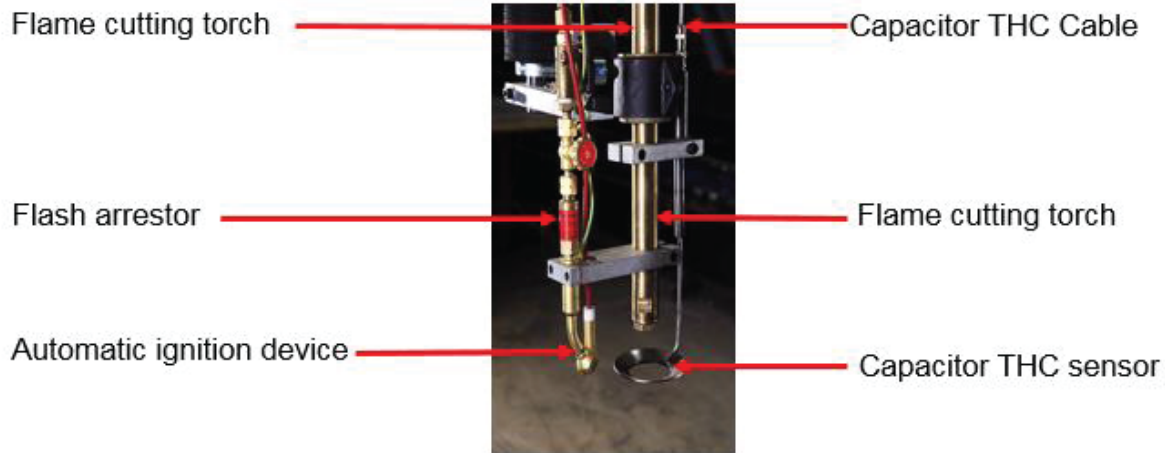
Gear box: to work with Servo motor as an assembly

- 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

NEUGART



Flame cutting assemblies:



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 optimize 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



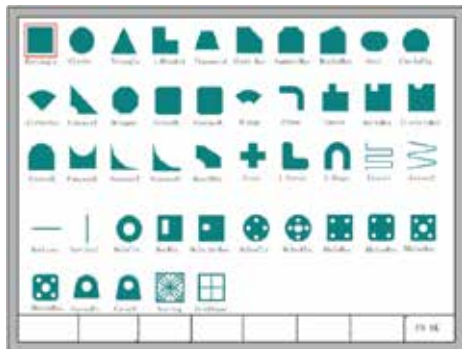
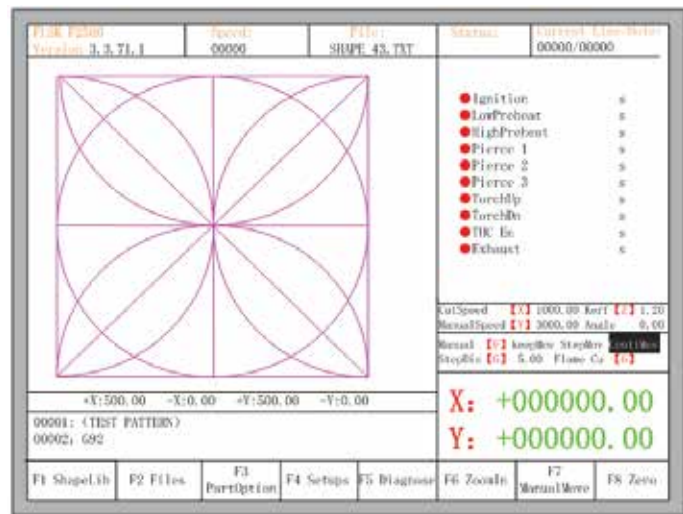
4. 1 set of Auto-ignition:

- 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.
- **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、IBE softwares.
- 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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