

# Plazma

## Cutting edge for competitive edge

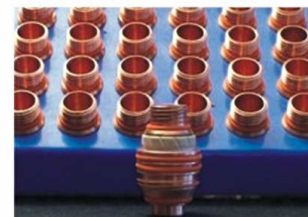
# Plazma



**Nesting :** Increased material yield with reduced costs :

This is achieved by nesting multiple parts in one plate with common cut edges. High cutting speeds reduce material handling and increase productivity 3 to 4 times than conventional method, low cutting costs and extremely low burning losses, results in overall saving per part.

- Plazma's unique Precision XY Table specially designed for Art work, Sign boards on thin sheet 2D profile cutting.
- Cantilever type CNCs, Pipe Profiling and Structural Steel 3D cutting solutions are also available.



Note :

- 1) Values are indicative and may alert due to site conditions and buyers requirements. Continuous R & D results in constant specification changes without notice.
- 2) All Plazma products and designs are protected under Patents and Copyright Acts.

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Authorised Distributor :



# PLAZMA X-Y ROBOT

## Intelligent Robotic Fabrication

**Rugged CNC Profile Cutting System.**

Aero dynamical designed gantry with synchronized double Servo drive & motors providing precision motion along longitudinal axis ( Y-axis) and single Servo drive and motor providing precision along Cross axis ( X-axis).

**24 X 7 Smarter Continuous Cutting.**





- Heavy duty Rails with 3 sides machined combined with precision Rack and pinion, Panasonic Servo drives and motors are provided for X and Y axis motion elements for high stability over longer period.
- High quality Oxyfuel cutting built in with auto gas control, auto ignition, auto torch height control with capacitive sensors & flash back arrestor etc... ensures safety and gas saving.
- Real time Plasma cutting with simple, non electronic "PLAZMA" power source combined with rugged and robust water cooled "PLAZMA" torch provides the fastest and the least cutting cost per meter.
- Plasma Torch is provided with a quick response Sensor type anti-collision system.
- Initial plate sensing direct thru Plazma torch with a motorized ball screw for precision up and down with motorized control.
- Multiple operations: A wide variety of jobs can be processed with minimal post cut operations. For example cutting, beveling, holes, slots etc... with nesting.
- Beveling head for Plazma & oxyfuel process are also available on request.
- Plasma Torch Height Control : "FEACUT" Made in USA in built in for Auto torch height control for high speed plasma cutting.
- Unique 3 torch Beveling feature for Oxy fuel and rotating Bevel head for Plazma Torch also available on request.
- Plazma "ROBOSWIFT" Software plug in add smart cutting intelligence (Optional).

**Technical Specifications:**

PLAZMA CNC		ZCCT-1.2x2.5M	ZCLG-2.5x6.5M	ZCHG-3.2x12.0M
Over all Dimensions	mm	3000 X 4000	4000 X 8000	4500 X 14000
Effective Cutting Size	mm	1250 X 2500	2500 X 6500	3200 X 12000
Rapid Travel Speed	mm/min	Up to 12000		
Positioning Accuracy	mm	+ / - 0.2 / 3000 mm		
Repeatability	mm	+/- .5/1000 mm		
X & Y Axis Drive System		Dual Servo Drive and Motors		
X , Y Axis Motion Elements		Heavy Rails combined with Rack & Pinion, Gear Box		
Plazma Station		Auto Torch Height control through Plasma Arc Voltage		
Gas Station		Capacitive Type Auto Torch Height control with auto ignition		
Gas cutting Capacity	mm	200 mm		
Auto Cycle Operation		Auto Ignition, pre-heat, Easy piercing with Flash back arrestor		
CNC Controller		Large LCD screen with Graphic Display, 512 RAM, 4 GB, Memory with RS232, LAN & USB interface		
Nesting Software		Roboswift /FastCam / Most 2D		
Plazma-Initial Plate Sensing		Auto Initial height sensing direct through Plazma torch with ball Screw system for exact Location		

- Controller : A large LCD screen with color graphic display, Intel processor, RAM 512MB, Storage-8GB, RS232 communication, USB interface provides ease of operation.
- Mirror Image, Auto Plate Alignment and Total Cut Loss Recovery. Cycle On/Off
- A Separate ON/OFF key with Emergency stop and operation indicators are provided for controller safety.
- Roboswift : Roboswift is a revolutionary software that work inside the controller to correct the errors. Therefore, the operator has to have zero programming knowledge.
- Compatible with Fast Cam/ Most 2D Nesting software.
- Standard Shape library in built for online cutting.
- Auto lead In/Out in built.
- Kerf Compensation in built.
- Auto cycle ON/OFF with Gas savings in built.
- Soft & Hard Limit provides additional safety.

