



CASTALY INDUSTRIES CORP.

637 VINELAND AVE, LA PUENTE, CA 91746

TEL: 626-968-6330 FAX: 626-968-6333

Mail: info@castalymachine.com Web Site www.cncroutergroup.com



55" x 98" CNC Plasma Machine

PLASMA-5598C China Generator (20 ~100A) \$18,900.00

PLASMA-5598HP Hypertherm Powermax 85 Generator (20 ~ 85A) \$21,900.00

59" x 118" CNC Plasma Machine

PLASMA-59118C China Generator (20 ~100A) \$21,900.00

PLASMA-59118HP Hypertherm Powermax 85 Generator (20~85A) \$24,900.00

General Information

Model	PLASMA-5598 / PLASMA-59118 CNC Plasma Machine
FOB Los Angeles CA. US	
Payment Terms	Tooling, rigging, freight & sales taxes are not included
Warranty	50% deposit, 50% balance before ship
Delivery time	One year
	XX days after Deposit
Six Inspection Services	1. Machine Gantry X Axis square rails Parallel vertical accuracy 0.001" (0.03mm) 2. Y Axis square rails Parallel vertical accuracy 0.001" (0.03mm) 3. Z Axis ball screw Parallel vertical accuracy 0.001" (0.03mm) 4. Machine Re position accuracy 0.001" (0.02mm) 5. Machine working accuracy 0.002" (0.05mm) 6. Grating ruler travel accuracy 0.002" (0.05mm)



CASTALY INDUSTRIES CORP.

637 VINELAND AVE, LA PUENTE, CA 91746

TEL: 626-968-6330 FAX: 626-968-6333

Mail: info@castalymachine.com Web Site www.cncroutergroup.com

(Training, installation, tooling & rigging are options. Customer is responsible for local regulations and Utilities connecting)
If there are any questions, please feel free to call us at 1-(626) 968-6330 or e-mail to us at info@castalymachine.com
(Price may vary, please check our website at <http://www.cncroutergroup.com/> for the current price list)

Feel Free to contact use if you have any technical question or OEM/ODM project
We have solutions for all your needs

Features:

- **All “servo motor” driving system: All axis is driven by brush-less type, high torque AC servo motors.**
- Working mode; Untouched arc striking. Auto cutting Height adjustment by system for the best cutting result
- Auto Height protection for safety & Fast Production
- A variety of Hypertherm Powermax torch styles provide exceptional versatility for hand cutting or gouging, portable automation, X-Y table and robotic cutting or gouging
- Finishing jobs faster with cut speeds two and a half times greater than oxy / fuel on 1/2" mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.
- No need to change the air pressure. Smart Sense technology ensures that it is always correctly set.
- Drag cut at full output with a patented shield that reduces dross buildup for smoother cutting.
- Tackle different jobs with multiple, easy-to-use torch styles.
- Reduce costs with long consumable life and more up time.
- High power efficiency lowers energy consumption.
- Spring Start technology ensures consistent starting and a more reliable torch.
- Low maintenance for maximum up time.
- DSP CNC controller is set up to accept standard G-code programming formats along with on board conversational applications.
- An optional CAD/CAM system can create and edit programs then be sent to machine for easy cutting. DXF files can be imported, modified, and edited from here to create G-code.
- Moving gantry construction for space saving.
- The rigid steel frame construction has been stressed relieved prior to finish machining to provide repeatability and accuracy.
- Linear guides and sliding blocks are prismatic pre-loaded with recirculation bearings to ensure maximum rapid traverse and precision.
- The X & Y axis are equipped with a precision rack & pinion driving system.
- The Z axis utilizes a ball screw assembly complete with the pre-loaded and ground screw for long life and optimum accuracy.

Specification

1	Control system	DSP control with USB Interface
2	Command Language	G Code
3	Lathe frame	Heavy duty metal welding
4	Driving system	Japan Yaskawa servo drive & motor
5	X, Y Axis structure	Helical rack and pinion drive
6	Z Axis Structure	Taiwan TBI or HIWIN ball screw
7	X Y Z Axis Square rails	Taiwan HIWIN brand linear rails
8	Electric parts	France Schneider
9	Limited switch	Japan Omron
10	Machine working size	PLASMA-5598; X*55", Y*98", Z*4" / PLASMA-59118; X*59", Y*118", Z*4"
11	Machine Size (L x W x H)	PLASMA-5598; 126" x 84" x 56" / PLASMA-59118; 131" x 104" x 56"
12	Machine Max. travel speed	590 ipm
13	Machine Max. cutting speed	196 ipm
14	Machine power	3 PH, 220 V
15	Machine weight	PLASMA-5598; 3,510 lbs / PLASMA-5598; 3,960 lbs
16	CAD / CAM Drawing Software	Option



CASTALY INDUSTRIES CORP.

637 VINELAND AVE, LA PUENTE, CA 91746

TEL: 626-968-6330 FAX: 626-968-6333

Mail: info@castalymachine.com Web Site www.cncroutergroup.com

Machine Apply Industry

Applications for cutting various metallic material, such as metal, stainless, galvanize, aluminum, cooper, electrolytic sheet / plate and many more.

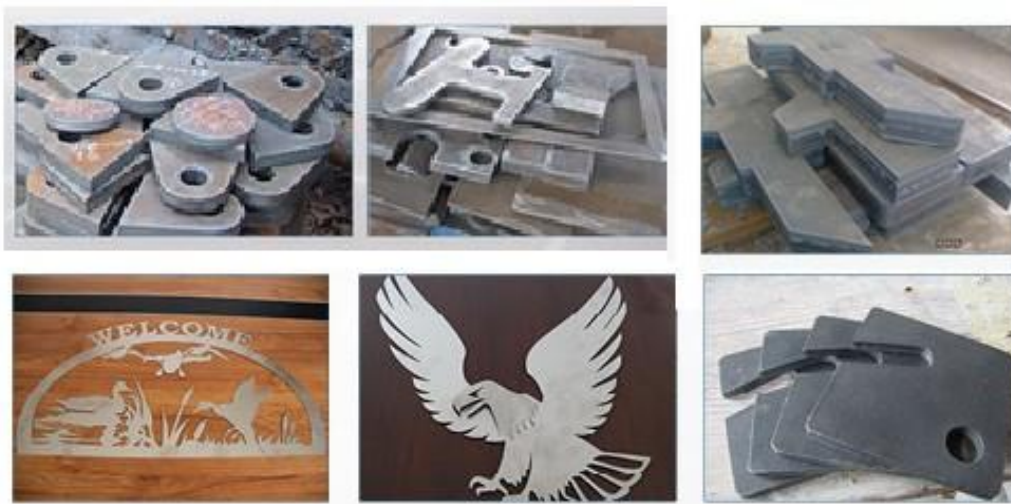


China Generator

Hypertherm Powermax 85 Generator

Production Cut Chart					
Material	Thickness		Current amp s	Production cut	
	Inch	mm		ipm	mm /min
Mild Steel	1 / 4 "	6	85	1 6 0	4 4 0 0
	1 / 2 "	1 2	85	5 6	1 6 0 0
	3 / 4 "	2 0	85	2 9	6 8 0
Stainless Steel	1 / 4 "	6	85	1 6 4	4 6 0 0
	1 / 2 "	1 2	85	4 8	1 4 0 0
	3 / 4 "	2 0	85	2 4	5 7 0
Aluminum	1 / 4 "	6	85	1 7 2	4 9 0 0
	1 / 2 "	1 2	85	6 8	1 9 3 0
	3 / 4 "	2 0	85	3 7	8 8 0

Machine Processing Samples





CASTALY INDUSTRIES CORP.

637 VINELAND AVE, LA PUENTE, CA 91746

TEL: 626-968-6330 FAX: 626-968-6333

Mail: info@castalymachine.com Web Site www.cncroutergroup.com

PLASMA-PCM Portable NC Flame Cutting Machine

Controller & Driving System Only Without Rail & Generator \$2,990.00

Moving Rail with Base Per 4 FT each \$390.00

China Generator Only (20 ~100A) \$1,590.00

Hypertherm Powermax 85 Generator Only (20 ~ 85A) \$3,790.00



- Portable for easy to operate at job site or large project
- DSP CNC controller is set up to accept standard G-code programming formats alongwith on board conversational applications.
- Rapid Speed 295 ipm
- Cutting Speed variable by controller

