

**DAMA**

## HYPER X Series X-Definition CNC Plasma Cutting Machine

Model	Hyper X 2500	Hyper X 3100	Hyper X 4000	Hyper X 5000	Hyper X 6000
Effective cutting width	2500 mm	3100 mm	4000 mm	5000 mm	6000 mm
Rail span	3500 mm	4100 mm	5000 mm	6000 mm	7000 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 : Edge Connect					
<ul style="list-style-type: none"> <li>Phoenix software built-in cut charts for automatically setting process parameters.</li> <li>Built-in CutPro™ Wizard easy use.</li> <li>19" touch screen and Windows 10 embedded operation system.</li> <li>RAM≥1GB, SATA hard drive,two USB ports,EtherCAT communication support,LAN,USB,WIFI.</li> <li>Software utilities: Remote Help, CutPro Wizard, and ProNest CNC simple shape Nesting.</li> </ul>					
Plasma Height Sensor: Hypertherm Sensor THC					
Plasma :Hypertherm XPR300 / XPR 170					
Plasma Power Supplu Request:71.43KVA, 40.48KVA, 3 phase, voltage on request.					
Plasma Gas Request	CORE : O <sub>2</sub> ,Air,N <sub>2</sub>	VWI : O <sub>2</sub> ,Air,N <sub>2</sub> ,H <sub>2</sub> O,F <sub>5</sub>	OptiMix : O <sub>2</sub> ,Air,N <sub>2</sub> ,H <sub>2</sub> O,F <sub>5</sub> ,H <sub>2</sub> ,Ar		
Option	1.Oxy-Fuel cutting kit: <ul style="list-style-type: none"> <li>One Oxy-Fuel torch with motorized torch lifter and station</li> <li>Regulator &amp; pressure gauge and manifold</li> <li>Oxy-Fuel cutting logic sequence control &amp; operation panel</li> </ul> 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 3000mm/unit (X) 8.Software(ProNest)                        9.Flat Bevel Module 10.Pipe Cutting (Flat/Bevel)              11.Tube Cutting(Flat/Bevel)				
Bevel Module	Max Bevel Angle	±50°			
	Nesting Software	ProNest2019 BEVEL Module			
Pipe/Tube Module	Effective cutting Length	3M	6M	9M	12M
	Nesting Software	Hypertherm RTP2.1 with Nesting Module			

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**D**esign  
**A**ccuracy  
**M**anufacturing  
**A**ssurance



**Knowing the Future  
Knowing Customer Needs**

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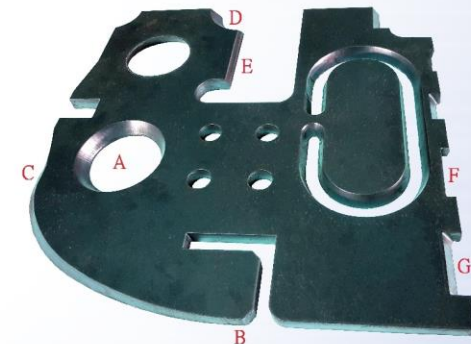
**HYPER X Features:**

- Gantry design for heavy duty to ensure both precision and reliability.
- Two full sized saddles, giving high precision and durability.
- High speed digital etherCAT communicate interface between controller and digital AC servo drive system enhances overall machine system reliability, and the positioning speed up to 18 M/min.
- Linear guide for transverse precision and durability.
- 300mm width transverse guide, stability and precision even with heavy torch suspension units.
- Transverse energy feed chains: Giving efficient transportation of hoses and cables.
- HYPER X set up with Edge Connect controller, Sensor THC plasma height sensor and XPR X-definition auto-gas plasma, provides high performance and achieve repeatable excellent cutting quality.

**Bevel Module Features:**

- Speed and Precision Beveled Parts by using DAMA Bevel Head Attachment.
- Built with Hypertherm XPR Power Source Providing Continuously Productivity.
- Guarantee Cut Quality by Applying True Hole and True Bevel Technology.
- Dual Tilt Design to Offer Target Angle Accuracy, ensuring 360 Degree Rotation and also up to 50 Degree Bevel Angle.

- A: V Bevel 30 Degree
- B to C: Gradually Bevel 0-45 Degree
- D: Bevel 40 Degree
- E: Bevel 45 Degree Root 10mm
- F: A Bevel 30 Degree
- G: Blind Bevel 30 Degree



TUBE-250mm\*250mm\*10mm Cross Dimension and Bevel Cut  
PIPE-diameter 312mm \*10mm Straight and Bevel Cut

