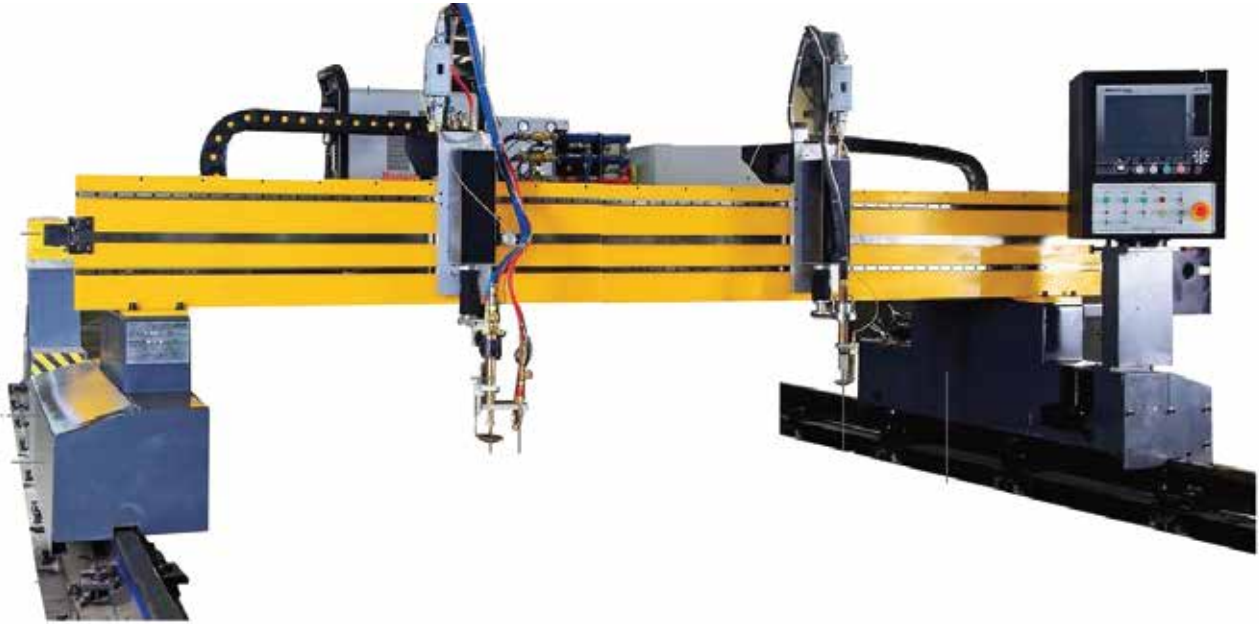




HEAVY GANTRY PLASMA MACHINE

Model: GSII-4500(Z) D



PLASMA SOURCE: HPR260XD

The HPR260XD combines fast cutting speeds, rapid process cycling, quick changeovers, and high reliability to maximize productivity, and is now available with patented True Hole technology.

KEY ADVANTAGES

- NEW HDI THIN STAINLESS STEEL TECHNOLOGY
- SUPERIOR CUT QUALITY AND CONSISTENCY
- MAXIMIZED PRODUCTIVITY
- MINIMIZED OPERATING COST
- UNMATCHED RELIABILITY

OPERATING DATA

- MILD STEEL CUT CAPACITY
DROSS FREE 32 MM (1-1/4") PRODUCTION
PIERCE 38 MM (1-1/2") MAXIMUM CUTTING
CAPACITY 64 MM (2-1/2")
- STAINLESS STEEL CUT CAPACITY
PRODUCTION PIERCE 32 MM (1-1/4")
MAXIMUM CUTTING CAPACITY 50 MM (2")
- ALUMINUM CUT CAPACITY PRODUCTION
PIERCE 25 MM (1") MAXIMUM CUTTING
CAPACITY 50 MM (2")





OPTIONAL:

- Auto gas benefits:
For HPR130XD, HPR260XD
HPRXD® auto gas systems enable better hole quality, significant productivity increase and superior cut performance over manual gas systems.

IMPROVED PERFORMANCE

- True Hole®
 - Bolt hole quality is delivered automatically without operator intervention
 - Narrows the gap with laser hole quality making a plasma suitable for many jobs previously cut with laser
 - Virtually eliminates Hole taper
 - Ding is reduced and biased to the outside of the hole
- Fine Feature™
 - Hypertherm Fine Feature settings deliver optimal results when the highest quality fine feature cuts are required
- Gas mixing
 - Mixed plasma gas capability for stainless steel offers better quality with the 130–800 A processes across the mid-range thicknesses

IMPROVED CONSISTENCY

- Reliable cut quality
 - Closed-loop control of process gases allows gas pressure and flow to remain constant at the torch, Even when incoming pressure to the system fluctuates (See gas flow diagram).

IMPROVED PRODUCTIVITY

- More production time per day with less time waiting
 - Reduced cut-to-cut and cut-to-mark time
 - Reduces waste, downtime and inaccuracies
 - All plasma parameters are adjustable at the fully integrated CNC including current, plasma pre-flow and cut flow, shield pre-flow and cut-flow and gas type
 - Various troubleshooting routines available at the CNC, including pre-flow and cut-flow gas tests, leak and Flow tests
 - Centralized control in single location eliminates the need for operator movement back and forth to adjust gas settings
- Simple robust design reduces set up time and repair
 - Highly simplified units with open access to components
 - Manifolds and motor valves are secured with mounting tab and a single screw, enabling quick onehanded installation
 - Color coded hoses and fittings for ease of assembly and quick repair time
 - Control and power boards are identical in metering console and selection console creating less confusion
 - Reduction in parts makes it easy to troubleshoot

AUTO GAS BENEFITS – TRUE HOLE (HPR XD SERIES)

Auto gas systems enable better HOLE quality, significant productivity increase and superior cut performance over manual gas systems.





ITEM	DESCRIPTION	HEAVY GANTRY+HPR260XD
MACHINE BODY	Main Frame	Heavy Gantry
	Machine Size (mm)	4500*15000mm
	Effective Cutting Area (mm)	3500*12500mm
	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	±0.5mm
CUTTING TORCH	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	HYPER THERM sensor THC
	Plasma Torch Anti-collision	Yes, Supplied with
	Plasma Piercing Thickness	38mm
	Plasma Cutting Speed	260A 12mm 3850mm/min 260A 20mm 2170mm/min 260A 32mm 1135mm/min
PLASMA UNIT	Model	O2, N2, F5*, H35**, Air, Ar
	Material	Mild Steel: Good Quality Stainless Steel: Good Quality
	Country of Origin	American
	Max output current	260A
	Power	380V, 3 Phase, 50Hz
	Duty Cycle	100% at 40° C
DRIVE	Drive Model	Dual Drive
	Servo Motor System	PANASONIC
	Gear Box	Germany Neugart
	Rails	50Kg on Y
CONTROLLER & SOFTWARE ELECTRICAL	CNC Control System	Hypertherm Micro Edge Pro
	Nest Software	FastCam Pro
COMPONENT	PLC & Electrical Components	Mitsubishi
	Stabilizer	Supplied with
	Power Voltage	220V, 1 Phase, 50 Hz



CONTROLLER



FEATURES OF HYPERTHERM MICRO EDGE PRO:

- WINDOWS INTERFACES.
- GRAPHIC CODE EDITOR
- PLATE CORRECTION
- NESTING SUMMARY
- POWER AND MEMORY BREAK POINTS
- VARIETY CONTROL FUNCTIONS
- AUTOMATIC DIAGNOSIS SYSTEM