



- **CNC Plasma** Cutting Machine
- **CNC Laser** Cutting Machine
- **CNC Oxy Fuel** Cutting Machine
- **CNC Plasma With Oxy Fuel** Cutting Machine
- **CNC Fiber Laser** Cutting Machine
- **CNC Router** Machine

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AN ISO 9001 : 2008 CERTIFIED COMPANY



Decide with Confidence
65-052-6374



The Establishment of Perfect Engineering was laid in the year 2010, as the most promising manufacturer entity of next generation CNC Cutting Machine. With the specific attributes of integrated business strategies and client centric approach we are capable of serving the diverse market needs by broadening our product portfolio of hi-end machineries, such as CNC Cutting Machine, Plasma Cutting Machine, Oxy Fuel Cutting Machine, Laser Cutting Machine, CNC Wear Plate Welding Machine etc. The excellent industrial background and precise engineering knowledge reflect the quality of our offered machinery, which is well favored for its easy installation, efficient performance, longer functional life, and low maintenance.

Owing to the integrated founding values of our organization, we are able to furnish the production needs of huge and excessively complex machinery. Moreover, we use prevailing techniques and latest software programs to make our developed machinery most advanced and user-friendly. Because of the team's production expertise, our offered CNC machinery is operated on latest platforms of CAD and CAM software. Further, uprightness is the focal point of our functionalities, which helps us to grow in long run by serving the complex needs of a wide number of clients across the country.

Our mentor Mr. Brijesh Panchal strives to go an extra mile to communicate the importance of quality. He is backed by rich industrial experience and motivates us to adhere to the strict morals of ethics and production values.

Vision & Mission

Keeping in mind the latest advancements in the field of CNC Cutting Machine, we strive to achieve the highest levels of production efficiency. One of the things that make us stand out of the rest is our commitment towards quality and clients' expectations. We are well versed with the role of business strategies in our success, thus strive to improve the quality of our work by cushioning a buffer of association with most established vendors in the industry.



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CNC Plasma Cutting Machine Table TOP



Model :
PE-3000x1500

Scope:

Complete basic machine includes CNC Gantry structure with dual ac servo drive for Longitudinal, Precision Rack and Pinion with planetary gear box, cable drage chain for cross axis, interface panel and gas console.

Table Top designed structure:

Made of high qulaity steel structure with suitable spar/pads welded formmounting Lm guide ways and rack. The Spar/Pads are precisely machined. Torch mounted plates are mounted on LM blocks. Gantry station move on precision on rack and pinion arrangement.

Technical data of machine

Effective Cutting Length	: 3000 As Per Requirement Maximum 4 Mtr Length
Effective Cutting Width	: 1500 As Per Requirement Maximum 2 Mtr Width
Moving Speed	: 0-25000 mm/min
Weight	: 2000 KG
Plasma Source Hypertherm Powermax	: 45AMP, 65AMP, 85AMP, 105AMP, 125AMP, Maxpro 200AMP
PlasmaCutting Speed	: According To The Plasma Source
Cutting Thickness	: According To Plasma Source
CNC System	: HYD Controller
Auto Torch Height Controller	: Anti-collision with arc voltage with HIS
Programming Software	: MOST-2D NESTING
Drive Mode	: Dual Drive with Servo Motor
Servo System	: Panasonic Motors & Drive 5000 RPM Max Rapid Drive Speed 25000mm/Min
	Make : Japan
Gearbox	: SHIMPO/ZD
Rack & Pinion Assembly	: YYC Brand Make Taiwan 25x25 mm cross section with 2 modules HELICAL
Drag Chain	: Fully Enclosed Drag Chain For Machine Wiring Safety
Linear Guide	: Hi win Make Taiwan / THK brand Make Japan
Air Compressor	: 5 HP Air Compressor Indo Air

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CNC Plasma
Cutting Machine Gantry



Model :
PE-7000x3000

Scope:

Complete basic machine includes CNC Gantry structure with dual ac servo drive for Longitudinal, Precision Rack and Pinion with planetary gear box, cable drage chain for cross axis, interface panel and gas console.

Gantry designed structure:

Made of high qulaity steel structure with suitable spar/pads welded formmounting Lm guide ways and rack. The Spar/Pads are precisely machined. Torch mounted plates are mounted on LM blocks. Gantry station move on precision on rack and pinion arrangement.

Technical data of machine

Effective Cutting Length	: 7000 (As Per Requirement Maximum 40 Mtr Length)
Effective Cutting Width	: 3000
Moving Speed : PLASMA	: 0-25000 mm/min
Weight	: 2000 KG
Plasma Source	: 45AMP, 65AMP, 85AMP, 105AMP, 125AMP, Maxpro 200AMP
Hypertherm Powermax	
PlasmaCutting Speed	: According To The Plasma Source
Cutting Thickness	: According To The Plasma Source
CNC System	: HYD Controller
Auto Torch Height Controller	: Anti-collision with arc voltage with HIS
Programming Software	: MOST-2D NESTING
Drive Mode	: Dual Drive with Servo Motor
Servo System	: Panasonic Motors & Drive 5000 RPM Max Rapid Drive Speed 25000mm/Min
	Make : Japan
Gearbox	: SHIMPO/ZD
Rack & Pinion Assembly	: YYC Brand Make Taiwan 25x25 mm cross section with 2 modules HELICAL
Drag Chain	: Fully Enclosed Drag Chain For Machine Wiring Safety
Linear Guide	: Hi win Make Taiwan / THK brand Make Japan
AIR COMPRESSOR	: 5 HP AIR COMPRESSOR Indo Air

CNC Plasma With Oxy Fuel
Cutting Machine Gantry



Model :
PE-7000x3000

Scope:

Complete basic machine includes CNC Gantry structure with dual ac servo drive for Longitudinal, Precision Rack and Pinion with planetary gear box, cable drage chain for cross axis, interface panel and gas console.

Gantry designed structure:

Made of high qulaity steel structure with suitable spar/pads welded formmounting Lm guide ways and rack. Thespar/pads are precisely machined. Torch mounted plates are mounted on LM blocks. Gantry station move on precision on rack and pinion arrangement.

Technical data of machine

Effective Cutting Length	: 7000 (As Per Requirement Maximum 40 Mtr Length)		
Effective Cutting Width	: 3000		
Moving Speed	: 0-25000 mm/min	OXY FUEL : 0-5000 mm/min	
Weight	: 2000 KG		
Plasma Source Hypertherm Powermax	: 45AMP, 65AMP, 85AMP, 105AMP, 125AMP, Maxpro 200AMP		
PlasmaCutting Speed	: According To The Plasma Source / Varies For OXY-FUEL		
Cutting Thickness	: According To The Plasma Source /Varies For OXY-FUEL Up to 250mm		
CNC System	: HYD Controller		
Auto Torch Height Controller	: Anti-collision with arc voltage with HIS		
Programing Software	: MOST-2D NESTING		
Drive Mode	: Dual Drive with Servo Motor		
Servo System	: Panasonic Motors & Drive 5000 RPM Max Rapid Drive Speed 25000mm/Min		Make : Japan
Gearbox	: SHIMPO/ZD		
Rack & Pinion Assembly	: YYC Brand Make Taiwan ,25x25 mm cross section with 2 modules HELICAL		
Drag Chain	: Fully Enclosed Drag Chain For Machine Wiring Safety		
Linear Guide	: Hi win Make Taiwan / THK brand Make Japan		
AIR COMPRESSOR	: 5 HP AIR COMPRESSOR Indo Air		

CNC Oxy Fuel / Profile /Gas Cutting Machine



Model :
PE-7000x3000

Scope:

Complete basic machine includes CNC Gantry structure with dual ac servo drive for Longitudinal, Precision Rack and Pinion with planetary gear box, cable drage chain for cross axis, interface panel and gas console.

Gantry designed structure:

Made of high qulaity steel structure with suitable spar/pads welded formmounting Lm guide ways and rack. The Spar/Pads are precisely machined. Torch mounted plates are mounted on LM blocks. Gantry station move on precision on rack and pinion arrangement.

Technical data of machine

Effective Cutting Length	: 7000 (As Per Requirement Maximum 40 Mtr Length)
Effective Cutting Width	: 3000
Moving Speed	: 0-8000 mm/min
Weight	: 2000 KG
Cutting Speed	: 0-600mm/Min
Cutting Thickness	: OXY-FUEL Cutting Up to 250mm
CNC System	: HYD Controller
Auto Torch Height Controller	: Anti-collision with arc voltage with HIS
Programming Software	: MOST-2D NESTING
Drive Mode	: Dual Drive with Servo Motor
Servo System	: Panasonic Motors & Drive 5000 RPM Max Rapid Drive Speed 25000mm/Min Make : Japan
Gearbox	: SHIMPO/ZD
Rack & Pinion Assembly	: YYC Brand Make Taiwan ,25x25 mm cross section with 2 modules HELICAL
Drag Chain	: Fully Enclosed Drag Chain For Machine Wiring Safety
Linear Guide	: Hi win Make Taiwan / THK brand Make Japan

CNC Fiber Laser Cutting Machine

IPG LASER SOURCE
"CLOSE BODY"



PERFECT:
3000mm X 1500mm



Scope:

Complete basic machine includes close body structure with dual ac servo drive for Longitudinal, Precision Rack and Pinion with planetary gear box, cable drage chain for cross axis, interface panel and gas console.

Close Body designed structure:

Made of high qulaity steel structure with suitable spar/pads welded formmounting Lm guide ways and rack. The Spar/Pads are precisely machined. Torch mounted plates are mounted on LM blocks. Gantry station move on precision on rack and pinion arrangement.

Technical data of machine

Effective Cutting Length	: 3150	Effective Cutting Width	: 1550
Moving Speed	: 0-80000 mm/min	Laser Source	: IPG 300W to 4000 KW
Cutting Speed / Thickness	: Laser According to Source		
CNC System	: Wehong torch screen 22"CONTROLLER		
Auto Height Control	: Anti-collision with arc voltage with HIS		
Programming Software	: MOST-2D NESTING / SIGMA PROFETIONAL		
Drive Mode	: Panasonic 1.5 KW A6 series	SERVO MOTOR Make : Japan	
Servo System	: Panasonic 1.5 KW A6 series	SERVO drive Make :-Japan	
Gearbox	: SHimpo 1:7 , ZD	Make : Japan	
Rack & Pinion Assembly	: Alanta 2 module 2mtr length helical rack	Make : Germany	
Linear Guide	: THK ultra high class prison linear guide	Make : Japan	
Drag Chain	: Igus fully enclosed	Make : Germany	
Installation	: Including		
Warranty	: 2 years machine and 2 years on laser source		
Laser Head	: Laser According to Source		
Structure	: Laser body structure 2062 grad steel structure with Heat Treatment Certificate		
Consumables	: 5 set		
Pallet exchanger	: Single / Dual pallet as per customer requirement		
Stabilizer & UPS	: Yes stabilizer, UPS		

CNC Fiber Laser
Cutting Machine

IPG LASER SOURCE
"OPEN BODY"



PERFECT:
3000mm X 1500mm

Scope:

Complete basic machine includes open body structure with dual ac servo drive for Longitudinal, Precision Rack and Pinion with planetary gear box, cable drage chain for cross axis, interface panel and gas console.

Open Body designed structure:

Made of high qulaity steel structure with suitable spar/pads welded formmounting Lm guide ways and rack. The Spar/Pads are precisely machined. Torch mounted plates are mounted on LM blocks. Gantry station move on precision on rack and pinion arrangement.

Technical data of machine

Effective Cutting Length	: 3150	Effective Cutting Width	: 1550
Moving Speed	: 0-80000 mm/min	Laser Source : IPG 300W to 4000 KW	
Cutting Speed / Thickness : Laser According to Source			
CNC System	: Wehong torch screen 22"CONTROLLER		
Auto Height Control	: Anti-collision with arc voltage with HIS		
Programming Software	: MOST-2D NESTING / SIGMA PROFETIONAL		
Drive Mode	: Panasonic 1.5 KW A6 series	SERVO MOTOR Make : Japan	
Servo System	: Panasonic 1.5 KW A6 series	SERVO drive Make :-Japan	
Gearbox	: SHimpo 1:7 , ZD	Make : Japan	
Rack & Pinion Assembly	: Alanta 2 module 2mtr length helical rack	Make : Germany	
Linear Guide	: THK ultra high class prison linear guide	Make : Japan	
Drag Chain	: Igus fully enclosed	Make : Germany	
Installation	: Including		
Warranty	: 2 years machine and 2 years on laser source		
Laser Head	: Laser According to Source		
Structure	: Laser body structure 2062 grad steel structure with Heat Treatment Certificate		
Consumables	: 5 set		
Pallet exchanger	: Single / Dual pallet as per customer requirement		
Stabilizer & UPS	: Yes stabilizer, UPS		

CNC ROUTER
Machine

TABLE TOP
SPINDLE MOTOR : 6 KW



PERFECT:
2500mm X 1250mm

Scope:

Complete basic machine includes table top structure with dual ac servo drive for Longitudinal, Precision Rack and Pinion with planetary gear box, cable drage chain for cross axis, interface panel and gas console.

Table Top designed structure:

Made of high qulaity steel structure with suitable spar/pads welded formmounting Lm guide ways and rack. Thespar/pads are precisely machined. Torch mounted plates are mounted on LM blocks. Gantry station move on precision on rack and pinion arrangement.

Technical data of machine

Effective Cutting Length	: 2500
Effective Cutting Width	: 1250
Moving Speed	: 0-10000 mm/min
Weight	: 1000Kg
Spindle Moto	: 6 - KW Spindle
Z MAX -in	: 300MM
Power supply	: AC380V/50~60HZ/3Phase
Programming System	: NC STUDIO Controller
Ball screw for "Z"	: 25MM Higher Accuracy
Drive Mode	: Dual Drive with Servo Motor
Servo System	: Panasonic Drive And Motors
Gearbox	: SHIMPO/ZD
Rack & Pinion Assembly	: YYC Brand Make Taiwan, 25x25 mm cross section with 2 modules HELICAL
Linear Guide	: 25MM Hi win Make Taiwan / THK brand Make Japan
Drag Chain	: Drag Chain for machine wiring safety Make Germany
Lubrication Systems	: Automatic lubrication systems
Engraving & Cutting Tools	: 4 No. (Standard)
Includinding Accessories	: Dust Collector
Customer Scope	: Computer

Hypertherm Source

The World Leader in
Plasma Cutting Technology

Plasma Source
Hypertherm Powermax

45AMP, 65AMP, 85AMP, 105AMP,
125AMP, Maxpro 20AMP

CNC Plasma System



Machanised Plasma Systems



MAXPRO200



Drag Chain



Consumables



Hypertherm
HyPerformance Plasma

IPG Laser Source

IPG
PHOTONICS



HYDTHC[®]

THC : XPTH3C-300II
CNC Controller : F2300B