

SPECIFICATION SHEET

Sr.#	DESCRIPTION	QTY Nos.
01	<u>HEAVY DUTY GANTRY-TYPE CNC THERMAL CUTTING MACHINE</u> Details as attached at page: 03~05	01 No
02	<u>CHECK LIST attached at page-6~9 must be submitted dully filled with quotation</u>	

Heavy Duty Gantry-type CNC Thermal Cutting Machine

Sr. #	Description
01	Reference Model: OXYTOME PLASMATOME II T45 or equivalent. Gantry Guiding System: Useful Cutting Width: 4.0 m approx. Useful Cutting Length: 15.0 m approx. Work Table Height: 700 mm approx. Traveling Speed: 15m/min Repositioning accuracy: 0.1 mm Motorizations: 750W brushless system with low backlash reduction gears and absolute encoders (double motorization for longitudinal). No of Motorized Tool Holders: 01 x Plasma + 02 x Oxy Fuel Burners + 01 x Pneumatic Drill. Cabinet Cooling: by Air Vortex-Tube Cooling. Control Console: Complete Advanced CNC HPC digital process-II having 19 inch wide touch screen and SSD hard disk. Cutting Software: MAGICNEST 10 auto nesting (or equivalent) including 100 meter inter-connection CNC/Computer. Construction: as per EN ISO17916-2016. Plasma Cutting Process: Type of Plasma Process: Dry Multi Gas Plasma Cutting. Plasma Gas Regulation: by Automatic Gas Console. Plasma Cutting Capacity: 70mm, 80mm & 100mm for Aluminium, Stainless Steel & Carbon Steel respectively. Cutting Speed: 10 m/min. Plasma Tool-type: Impact-resistant Plasma Torch (numerical vertical travel $\geq 350\text{mm}$) with Height Control, Instant Marking, Cycle Boost, Twin Detect, Wear Compensation of plasma spare parts, Master Hole & Soft Piercing Function. Plasma Source Current Capacity: Up to 450A @ 100% Duty Cycle.

Plasma Torch Cooling: By autonomous cooling unit.

Cutting Quality: as per ISO 9013.

Oxy-Fuel Cutting Process:

Oxy Fuel Burners-type: Oxy Fuel Burners (numerical vertical travel $\geq 250\text{mm}$) with Height Control, Oxy Safe Piercing and Electric Ignition Function.

Cutting Speed: 6 m/min.

Oxy Fuel Cutting Capacity: 5-300 mm.

Oxy-Fuel Gas Regulation: by Automatic Gas Console.

Cutting Quality: as per ISO 9013.

Input Power:

3-phase, 400 V ($\pm 5\%$) @ 50 Hz.

Accessories:

With all standard accessories including

- Electric Supply Cabinet

- Stainless Steel Cutting Equipment

- Automatic Torch Indexing

- Visio (Camera) Process Unit

- Laser Positioning

- Work Table Lighting

- Automatic Lubricators

- Pneumatic Drill Unit

- Pneumatic Marking Unit

- Aerial Chains

- Operator Visual Protection

- Machine Thermal Protection

- Computer (brand: HP, Core-i7) with Printer (brand: HP)

- Plasma & Oxy-fuel Gas Hoses (100 m each)

- Air Supply Hose (100 meter)

- CNC Ethernet Network/Interfacing cable (100 m)

- Limit Switches & Emergency Stop function with 100 m cable

Service Warranty and Spares:

- One Year Service Warranty.
- Electrical, electronic and mechanical spares for two years operation.
- Oxy Fuel and Plasma Wear Parts for two years operation.
- 02 Sets of Installation, Operation, Maintenance and Diagnostic Manuals having detail drawings, electrical wiring diagrams, alarm list and remedial actions (English).
- Certificates of Conformity (English).
- Pre-shipment Inspection and Training at Manufacturer's Site.
- Installation and Commissioning of Machine at Site.

Make & Origin:

ESAB, Koike, Air Liquide Welding & Lincoln Electric/Japan, Western Europe & North America or equivalent.

Quantity:

01 Complete Package.

Note: Quotation should be supported by technical literature/catalogue otherwise quotation would be rejected.

Heavy Duty Gantry-type CNC Thermal Cutting Machine

Sr. No	Specifications	Required	Quoted
01	Origin	Japan, North America & Western Europe or equivalent	
02	Reference Model	OXYTOME-PLASMATOME II T45 or equivalent	
03	Useful Cutting Width	4.0 m	
04	Useful Cutting Length	15.0 m	
05	Traveling Speed	15 m/min	
06	Repositioning accuracy	0.1 mm	
07	Motorizations System (double motorization for longitudinal)	brushless system with low backlash reduction gears	
08	No of Motorized Tool Holders	01 x Plasma + 02 x Oxy Fuel Burners + 01 x Pneumatic Drill	
09	Cabinet Cooling	By Air Vortex-Tube Cooling	
10	Control Console	Complete Advanced CNC HPC digital process-II having 19 inch wide touch screen and SSD hard disk	
11	Cutting Software	MAGICNEST 10 auto nesting or equivalent	
12	Type of Plasma Process	Dry Multi Gas Plasma Cutting	
13	Plasma Gas Regulation	By Automatic Gas Console	
14	Plasma Cutting Capacity	70mm, 80mm & 100mm for Aluminium, Stainless Steel & Carbon Steel respectively	
15	Cutting Speed	10 m/min	
16	Plasma Tool-type	Impact-resistant Plasma Torch (numerical vertical travel $\geq 350\text{mm}$) with Height Control, Instant Marking, Cycle Boost, Twin Detect, Wear Compensation of plasma spare parts, Master Hole & Soft Piercing Function.	
17	Plasma Source Capacity	Up to 450A @ 100% Duty Cycle	

18	Plasma Torch Cooling	By autonomous cooling unit	
19	Oxy Fuel Burners-type	Oxy Fuel Burners (numerical vertical travel $\geq 250\text{mm}$) with Height Control, Oxy Safe Piercing and Electric Ignition Function	
20	Cutting Speed	6 m/min	
21	Oxy Fuel Cutting Capacity	5-300 mm	
22	Oxy-Fuel Gas Regulation	By Automatic Gas Console	
23	Cutting Quality	as per ISO 9013	
24	Construction	as per EN ISO17916-2016	
25	Input Power	3-phase, 400 V ($\pm 5\%$) @ 50 Hz	
26	Accessories, Service, Warranty & Spares		
i	Electric Supply Cabinet	Required	Yes/No
ii	Stainless Steel Cutting Equipment	Required	Yes/No
iii	Automatic Torch Indexing	Required	Yes/No
iv	Visio (Camera) Process Unit	Required	Yes/No
v	Laser Positioning	Required	Yes/No
vi	Work Table Lighting	Required	Yes/No
vii	Automatic Lubricators	Required	Yes/No
viii	Pneumatic Drill Unit	Required	Yes/No
ix	Pneumatic Marking Unit	Required	Yes/No
x	Aerial Chains	Required	Yes/No
xi	Operator Visual Protection	Required	Yes/No
xii	Machine Thermal Protection	Required	Yes/No
xiii	Computer (brand: HP, Core-i7) with Printer (brand: HP)	Required	Yes/No
xiv	Plasma & Oxy-fuel Gas Hoses (100 m each)	Required	Yes/No
xv	Air Supply Hose (100 meter)	Required	Yes/No
xvi	CNC Ethercat Network/Interfacing cable (100 m)	Required	Yes/No
xvii	Limit Switches & Emergency Stop function with 100 m cable	Required	Yes/No
xviii	One Year Service Warranty	Required	Yes/No
xix	02 Sets of Installation, Operation, Maintenance and Diagnostic Manuals having detail drawings/pictures and electrical wiring diagrams (English).	Required	Yes/No

xx	Electrical, electronic and mechanical spares for two years operation	Quote separately	Yes/No
xxi	Oxy Fuel and Plasma Wear Parts for two years operation	Quote separately	Yes/No
xxii	Pre-shipment Inspection and Training at Manufacturer's Site	Quote separately	Yes/No
xxiii	Installation & Commissioning of Machine at Site	Quote separately	Yes/No

PROCEDURAL CHECK LIST			
S.No	Description	Please Tick Yes / No	Remarks of Bidder against any Point
1.	Rates are quoted in currency other than US Dollar	Yes/No	
2.	Rates must be quoted on C and F Karachi Basis	Yes/No	
3.	It is certified that Items quoted are Original and New. We understand that Refurbished items shall not be accepted	Yes/No	
4.	Payment Shall be made by LC or TT on submission of Shipment Documents. Advance Payment Shall not be accepted.	Yes/No	
5.	Principal's performa invoice is attached with quotation.	Yes/No	
6.	Partial order will be accepted.	Yes/No	
7.	Earnest Money must be given before placement of order.	Yes/No	
8.	Validity of quotation is 90 days.	Yes/No	