

LASER ENGRAVING MACHINE: (01 complete set)

Technical Specification:		
Supply, erection, commissioning and proving of the machine to desired capacity, technical parameters, temperature accuracy and specified quality and rated output for the components as per input drawings and in compliance with the technical specification.		
<ul style="list-style-type: none"> Firm to specify Model / Make of the machine for desired specification in technical bid. 		
Sl.No.	Category	Description
1.	Engraving / Cutting Area (X, Y axes)	1220mm x 910mm or (4' x 3')
2.	X , Y axes Rails	<ul style="list-style-type: none"> Linear guide way. The pulleys/pinion should be equipped with maintenance free U shape bearings.
3.	Z Axis Moving	Automatic
4.	Laser Power	100W / 135W / 170W
5.	Max. Cutting Depth/ Thickness	Max. 20 / 25/30mm for materials as Acrylic, MDF, etc.
6.	Table / Bed	Motorized Up/Down Flatbed Table
7.	Minimum Letter Size	1mm – 1.5mm (English Font)
8.	Resolution	125 to 1200 DPI
9.	Laser Source Type	Metal Laser Tube type, Sealed CO ₂ Laser, Auto Focus
10.	Laser Pointer Safety	Visible-Beam Lasers: Class 2, Class 3R
11.	Transmitting Parts	Timer Belt of best quality, Linear Guide Rail of best quality
12.	Max. Engraving Speed	0-2000mm/s
13.	Speed Control	Adjustable from 0.1 to 100%
14.	Drive type	AC Servo Control
15.	Software supported for output data	<ul style="list-style-type: none"> Supported on Windows Platform i.e. ArtCut, LaserCut, AutoCAD, CorelDraw or equivalent. Graphic Format Supported: PLT,DXF,DST,BMP,JPG,JPEG,PNG,TIF, etc.
16.	Control System	Best suitable Control system with control card and its application / controlling software, should be provided along with the interface of the designing software.
17.	Interface	<ul style="list-style-type: none"> USB 2.0 / 3.0 / higher Interface, or Ethernet. Online & Offline Operation: To transmit data from PC to machine by USB cable or transmit by Flash Memory Disk.
18.	Memory Buffer	265MB or Higher
19.	Display Panel	Touch Panel for Graphical display with Parameter Setting
20.	Machine Base	<ul style="list-style-type: none"> Should be rigid for vibration damping along with levelling adjustment (if desired). Castor Wheels: Machine should be equipped with castor wheels to make it easier to move it around the workshop (when desired).
21.	Illumination	Inside cabin light, A viewing window through the main access door.
22.	Cooling	Air cooled
23.	Air Extraction System	External Exhaust System is to be equipped as desired to the specific model. Preferably on the back of the machine.
24.	Power Supply	440V±10% 50HZ or 220V±10% 60HZ or as desired for the model
25.	Certification / Quality Assurance	CE Certificate, ISO9001:2008, FDA. All parts and accessories must be OEM products and certified.
26.	Warranty	Standard warranty of one year for machine and its accessories.
27.	Reference List	Tenderer shall furnish the Reference List of firms where they have supplied similar machine giving details like: a) Firm Address with Fax no. and Name of Contact Person, b) Model & c) Year of supply. If the model is not similar, it shall be mentioned specifically.