

CNC laser cutting machine

S. No	Description	Specification
1	Working Area	1000 mm x 800 mm (Enclosed type)
2	Laser Type	CO2With capability to cut 25 mm Acrylic and 2.5 mm steel
3	Laser Power	150Watt or more (with continuous adjustment from 1% to 100%)
4	Wavelength	10.6 μ m
5	Supply Voltage	AC 220 V \pm 10%
6	Reposition Accuracy	\pm 0.05mm
7	Cutting Speed	0 ~ 30000 mm/min
8	Cooling	Water Cooled with Industrial Water Chiller
9	Work Environment	Should be able to withstand rugged workshop environment and rough handling by students. Temp: 00 C ~ 45.0 C . Humidity: 5% ~ 95%
10	Acceleration Speed	1 G
11	Graphic File Support	PLT, CDR, AI, DWG, DXF, DST, BMP, JPEG, TIFF, GIF, PCX etc.
12	Memory	256 mb
13	Operating Display	16 Key with Graphic Display or better
14	X-Y movement	Stepper motor with belt drive system
15	Z Axis movement	Up and Down table System(Double Motorized)-Atleast 100 mm
16	Other features	The machine must incorporate all types of accessories like, voltage stabilizer with power backup, compressors, cooling systems etc. for making the machine robust and with International safety features/ norms. provision to restart from the last position in case of power cut etc.. The machine should be in ready condition to machine acrylic sheet of 25mm and steel sheets of 2.5 mm.