

INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

REQUEST FOR QUOTATION

Tender No.: IITK/4i-Lab./2016-2017/02

Date: 20/12/2017

Sealed two bid system type tender separately are invited for Laser Engraving & Cutting Machine for metal and nonmetal as per details given below.

Tender Opening date: 20/12/2017

Tender Closing Date: 27/12/2017

Tender Document for Laser Engraving & Cutting Machine.

1. Laser Source : Laser Source Fiber /CO2
2. Work Area : – 8feet*4feet
3. Cooling : Air Cooled
4. Speed Control : Adjustable from 0~100% (up to 16 colour-linked speed settings per job)
5. Power Control : Adjustable from 0~100% (up to 16 colour-linked speed settings per job)
6. Distance Accuracy : 0.254 mm or 0.1% of move, whichever is greater
7. Engraving Capability : 256-level Grey Scale image processing capability
8. Resolution (DPI): 300, 380, 500, 600, 760, 1000, 1500, 5000 and above.
9. Computer Interface : 10 Base-T Ethernet, Full Speed 2.0 USB
10. Display LCD panel showing current file name, total work time, laser power, cutting speed, file(s) loaded I to memory, buffer, setup and diagnostic menus
11. Operating Voltage : 200-240VAC, 50/60 Hz, Auto Switching , Max 12A

Features:

1. Automatic Z movement to load up to 120 mm thick
2. Powerful cutting capability of metal up to 0.1- 2.0 mm of Stainless Steel and 0.1- 3.0 mm of Steel and other metals with clear edge.
3. Powerful cutting capability of non-metal up to 2 – 25 mm of Acrylic, MDF, Wood etc. with clear edge.
4. Capacitive cutting head
5. Auto Focus function to automatically find correct focal distance
6. Innovative Windows Drivers for Direct output from familiar graphic program like CorelDraw, Adobe Illustrator, AutoCAD, etc.
7. Optional Accessories are Magnetic Fixtures, Rotary Fixtures, Thin Metal Film Clamping Device, Supporting Pins, and Smart Air Ultra Nozzle.

Other Terms & Conditions.

1. Tender to be submitted in two separate envelop each for Technical & Price bid, kept in single envelop addressed to under sign.
2. Tender must reach on/before date 27/12//2017 to the mentioned ADDRESS.
3. Maximum Discount to be offered keeping in view IIT's being nonprofit making organizations.
4. Only authorized dealers need to participate. Certificate submission with tender is mandatory.
5. Institute reserves the right to reject offer/tender without assigning any reason.

All Quotation to be send:

Prof.Ramkumar J, FIE (I)
4i Laboratory Near academic Gate No.4
Ram Tiwari Chair Professor
Associate Dean for Student Activities (ADSA)
Co-Ordinator, Imagineering and Micro manufacturing Lab
Department of Mechanical Engineering and Design Program
Indian Institute of Technology Kanpur
Kanpur 208016 (U.P.) INDIA