



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

Ref. PR No. 1000049718

RFx. No. 6100002373

Laser Scriber

Sr. No	Item Description	Detailed Technical Specification	Technical Compliance (Yes / No)	Additional Information (if any)
1.	Scribing Laser Wavelength	Wavelength < 550 nm, Preferred: UV laser ~ 355 nm		
2.	Resolution	< 6 μ m		
3.	Coverage Area (x- y plane)	minimum 300 mm X 300mm		
4.	Z-height Height adjustment	> 20 mm		
5.	Standard Working distance	min. 150 mm		
6.	Laser Pulse width	< 100 ns		
7.	Laser Pulse Frequency	>30kHz		
8.	Laser Output	> 5W		
9.	Scan Speed	Up to 5000 mm/s		
10.	Built in power meter	Thermopile for power validation		
11.	Supply	100-240 V, 50/60 Hz		

12.	Operating Condition	0 to +40°C, Up to 85% RH		
13.	Remote Control	Required (USB, RS232, Ethernet type)		
14.	Automated software controlled	Required		
15.	Safety Compliance	Instruction should be included, interlock mechanism preferred		
16.	Utilities	Submit the details along with technical specification		
17.	Warranty	1 year		