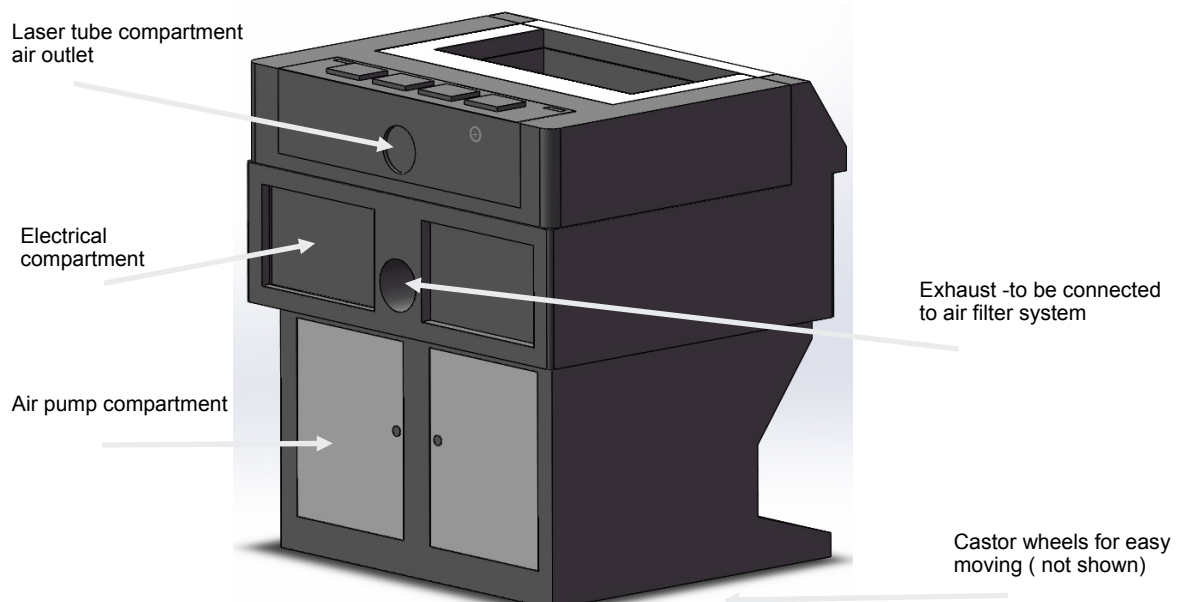
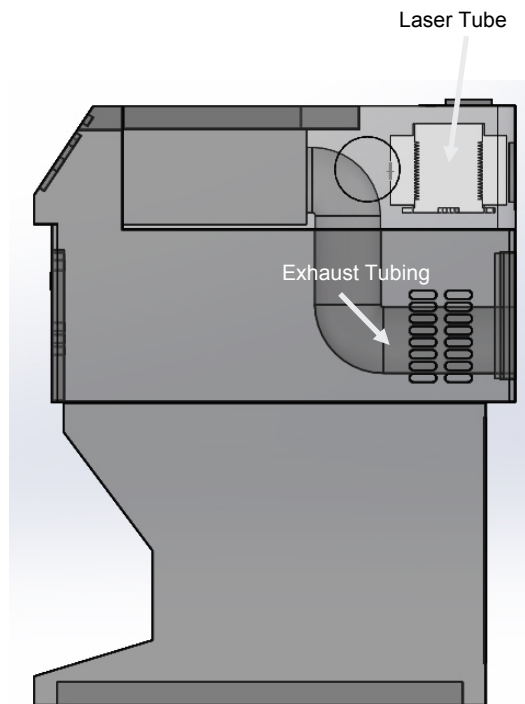
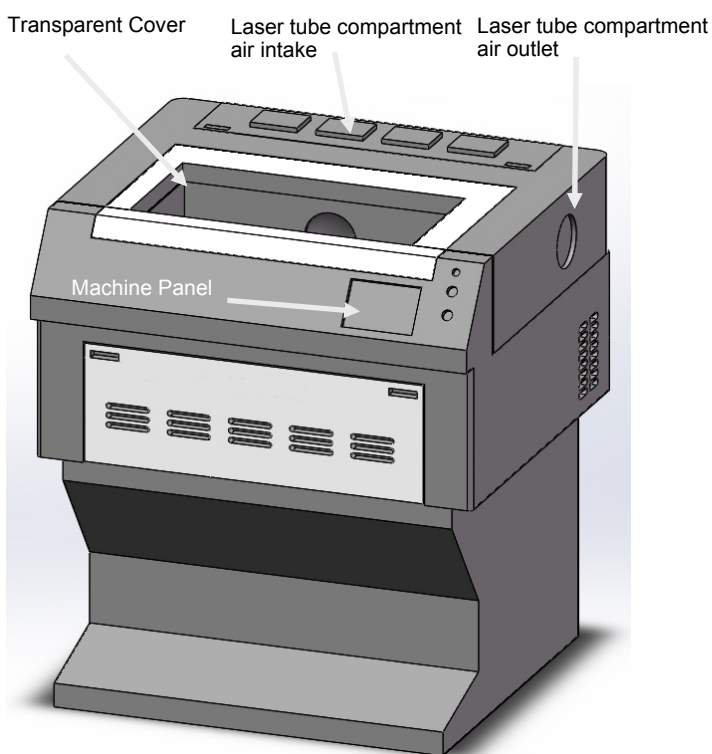


MX Series Laser Cutter



Sketch is for reference only. Design varies based on machine size

Points to consider when choosing Laser Cutters:

When choosing laser cutters, the quality of laser source and the cutting bed are important factors to consider as also the after-sales' service.

Laser Source:

Metal tubes

There are many brands of metal tubes available in the market. The main factor to consider is **durability**. One needs to be aware of the number of times a tube needs to be changed within a given period of time. Alpha Systems provide the internationally renowned brand, SYNRAD from the U.S. which not only provides trouble-free performance but has a life-span of 20,000 operational hours.



Cutting Bed:

For engravers: Cutting beds are of little significance as the work is on a superficial level.

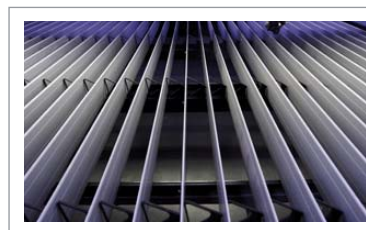
For cutters: The type of cutting beds determine the quality of the cutting edge. As the laser beam cuts through the material hitting the work bed, it reflects back to the bottom of the material causing what is called a "reflection burn". In order to reduce this burn, Alpha Systems' machines are provided with aluminium slats bed which has minimum points of contact to the material. It also absorbs any occasional reflection which may occur. This type of bed is suitable for stiff materials such as acrylic, wood etc.

For flexible materials such as leather or fabric, honeycomb bed is provided which holds the flexible material nicely flat to cut intricate patterns and the fumes and debris after cutting is driven away from the material, without lingering under the material and thus causing discoloration.

Both types of beds are open underneath for easy extraction of the fumes, emitted during operation, to the air filtration system. These are easily interchangeable based on requirement.



Honeycomb bed



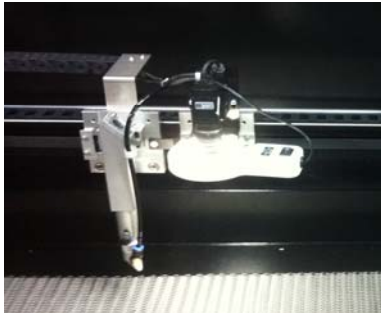
Aluminum slats bed

Quality of materials:

The components we have opted for are of high quality which ensures smooth running.

Our Service:

Alpha Systems has an excellent reputation for after-sales' service and support for customers internationally and locally. Prompt attention to a call of need is our priority. This is one of the many reasons educational institutions and business establishments have opted for our machines.



Camera option



DC Laser tube Option



Dual head option



Push/Pull table option

CO2 SEALED LASER

RF Metal tubes from well known brand SYNRAD, USA claiming 20,000 hours of life time. Does not require any maintenance. Air assist cutting to give the best result and to protect optics.

CONTROL ALGORITHM

The acceleration / deceleration control algorithm allows for rapid and smooth operations without affecting cutting quality. Gives sharp corners even at rapid speed.

OPTICAL PATH

Optical path is easy to align in case of change of any optics and provides stable and reliable laser beam quality. Gives same cutting quality to the entire working bed.

USER FRIENDLY CONTROL

Digital Numerical control system provides simplicity of operation, with complete powerful functions, maintenance friendly, and gives material and time saving.

MAINTENANCE FRIENDLY

Special design of side covers for working bed makes it easy to access the sides of machine without having to remove many screws.

OPTIMIZED WORK BED

To get the best cutting result, work bed can be chosen based on cutting requirement.

1. Aluminum strip bed for cutting hard materials such as acrylic, wood, MDF, etc..
2. Honeycomb bed for cutting flexible materials such as fabric, leather, veneer etc..
3. Automatic conveyor bed for continuous feeding and cutting fabric from rolls
4. Side to side push table for special production needs.,

Model No.	MX7050	MX0906	MX1060	MX1260	MX1490	MX1610
Laser Tube	Sealed CO2 tubes (RF or DC glass tubes)					
Laser Power	30W to 400W					
Processing Area	700X500	900X600	1000X600	1200X600	1400X900	1600X1000
Control System	User Friendly Interface					
PC Interface	USB port, net working port					
Machine Panel	LED screen 150*100					
File memory	128MB					
Supported Format	BMP,JPG,PLT,DXF,AI					
Max. Engraving speed	1200 mm/s					
Max. Cutting Speed	300 mm/s					
Image resolution	75 - 1200dpi					
Reposition Accuracy	±0.1mm					
Minimum engraved letter	1mm					
Power Supply	AC220V 50/60hz					
Red light for visual reference	option					
Door Safety Mechanism	option					
Air Pump	380W to 750W 220V 50/60hz <60db					
Stepper Motor	YES. Servo option available					
Motorized Table	Option					
Exhaust Duct	Dia 150mm					
Applicable Material	Fabric, leather, wood, paper, Acrylic, stone, bamboo etc..					

Local Agent:

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