

High Power Die Board Laser Cutting Machine

L A S E R
Machine



MTX LC1500-1325

About Us

Source of Digital Solutions...

Digital Star Qatar has been leading the digital scene in Doha for over 10 years, as suppliers and distributors of signage, advertising and LED solutions. Our commitment to providing the best quality machinery and top-notch technology from around the world has enabled us to set new and improved standards in sign and digital printing industries. DSQ has developed into a true trendsetter and a reliable destination for customers seeking exhaustive custom and wholesale solutions. From sign makers, digital print houses, POS/POP makers, retail fit-out companies, to exhibition stand builders, construction companies and glass and aluminum fabricators industries, we promise to take your business to unprecedented levels

PRODUCT OVERVIEW

MATERIAL APPLICATION

Plywood / Acrylic board / MDF / Stainless Steel / Carbon Steel Plate

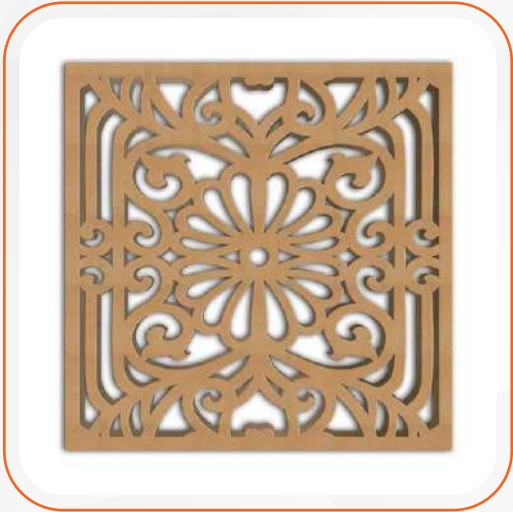
APPLICABLE INDUSTRY

It's widely used in printing, package, die making, advertising signs, metal plates, light-fixture, hardware, electric equipment, Automotive, electrical components...etc. industries.

MACHINE / ASSISTANT EQUIPMENT FEATURES

- Adopted gantry style solid welded construction for the machine bed.
- Panasonic Servo Drive and Motor system, precision HIWIN linear guide rail.
- Electronic laser nozzle with the automatic touching system and adjustment to adapt the jagged materials and keep cutting.
- Laser-cut in CW or pulse mode.
- Adopt Germany imported a special PA laser CNC system to ensure easy use and stability.
- Be equipped with professional laser cutting process parameters, that is able to automatically shift to any kerfs in eight directions, which is synchronized with an international advanced level.
- An effective fan-exhausting system with an optimized dust collector device.
- Automatic gas control system to ensure low energy consumption operation power gas consumption.

PRODUCT OUTPUT



PRODUCT SPECIFICATION

MTX LC1500-1325

Processing Scale	1220*2500mm
Machine weight	2500KGS
Laser Type	Axial Flow CO2 Sealed Laser Source
Laser power	1500W
Driving system	3 Axial Servo Motor
Table voltage	Mono-phase 220V 50Hz 10A
Laser voltage	3 Phases 380V 50Hz 30A
Controlling system	PMAC motion card
Optical system	Semi-optical
Moving structure	Gantry
Cutting precision	±0.05mm
USB port connection	Yes
Operating temperature	0-45°C
Mould cutting kerf	0.45mm, 0.71mm, 1.07mm...etc. controllable
Cutting speed	Around 90 m/h on 18mm plywood
Protective gas	Dry and oil-free air

Numerical control panel	LCD screen, light-touched key-press
Software supported	CorelDraw, Auto CAD, Photo Shop
Graphic format support	DXF, BMP, JPG, GIF, PGN, TIF, CF2, PLT
EMS memory	attached 64MB memory, can work under off-line condition
In gas	He, N2, CO2 (purity 99.999%)
Transmission system	Ball screw & linear guide
Overall dimensions	3600*2300*1800mm(L*W*H)

*Specifications are subject to change without prior notice, all rights reserved

LASER CUTTING MACHINE OPERATING ENVIRONMENT REQUEST:

1. Floor space/occupied area: 9*6m (L*W).
2. Air-conditioner for laser source.
3. High requirement of foundation: Concrete foundation, flat, strong and stable.

EXCLUDING PARTS AS BELOW:

1. Air compressor 1 set (Power 5KW or 7.5KW 10HP, match with 0.6Mpa gas holder)
2. 30KW Voltage stabilizer 1 set (Can be used for both laser and bender machine together)

ASSISTANT USING GAS AND LIQUID:

1. Assistant using gas (purity 99.999%): CO2, He, N2 and O2 (for cutting iron board sheet)
2. Liquid: Purified water

1. Automatic gas control system to ensure low consumption of energy, operation power and gas;
2. Technical imported chiller; Automatically touching system which can be used to adapt jagged materials and keep high cutting precision.
3. Software is easy to operate and understand, it's simple; Intelligent control system;
4. Imported servo motor, precision ball-screw drive, precise positioning, curve precision machining speed;
5. Be equipped with the optical path gas compensation function that can avoid diffraction & divergence of beam during the conduction process by gas disturbance, & always can maintain the positive pressure of clean gas in the optical cavity to prevent external smoke & enter in.
6. Adopt the integral high rigid load-bearing beams of third generation of dual-drive gantry structure, conquered the defects of split processing in the past and precision inconsistent in installation, to make sure the long-term stability of the axial flying optical path and geometric accuracy.
7. Be equipped with the dull compensation device in optical of autonomous developed, to ensure the consistency of the beam diameter and the constancy of focus in the entire range of processing.

TERMS AND CONDITIONS

1. Payment to be made in QR currency.
2. Payment Terms: As mentioned in Quotation.
3. Bank Details:

Bank Name	Branch	Beneficiary Name	Acc #	Swift Code
Qatar Islamic Bank	Al Khour Branch	Digital Star Qatar	0111453200015	QISB - QAQA
IBAN: QA16QISB000000000111453200015				

4. Bank Charges: Any bank charges relevant to the above transactions will be to your account.
5. Any charges, duties, taxes or levies at the ports of entry will be to our account.
6. The charges of loading, boarding and local conveyance of the technician will be to our account.
7. Any required electrical, mechanical & civil site preparation should be done by the customer according to our engineer's requirements.
8. Digital Star Qatar will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents and any related reasons, which is beyond our control.
9. Warranty will be 12 months (excluding personal damage) from date of installation from Digital Star Qatar. Wear & tear, consumables are exempted and warranty can be claimed only if you use the service from Digital Star Qatar.

10. Service will be free of cost within 12 months from the date of installation.
11. Any claim will be invoice directly to you then we will send for claiming procedure which will take 45-60 days, if the claim got approved credit note will issued directly.
12. Quotation will be valid for 7 days from here on.
13. Delivery: As mentioned in quotation

DIGITAL STAR QATAR

ديجيتال ستار قطر

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