



# UV LASER MARKING MACHINE

Unleash Precision and Power



MXL-UV-3W

Authorized Dealer

شركة النجم الرقمي للآلات و المعدات  
DIGITAL STAR MACHINERY AND EQUIPMENTS

# Source of Digital Solutions...

Welcome to Digital Star, your trusted partner in the world of cutting-edge printing solutions. As a leading printing machines, materials, and ink authorized dealer in Riyadh – Saudi Arabia (KSA), we pride ourselves on delivering state-of-the-art technology that empowers to achieve unparalleled levels of efficiency and quality.

At Digital Star, we understand the pivotal role that printing machinery plays in the success of your operations. With a commitment to innovation and excellence, we curate a diverse range of top-tier printing machines to meet the unique needs of our clients. Our product line-up reflects the latest advancements in the industry.

As a responsible printing machines supplier, we prioritize sustainability. Our commitment to eco-friendly practices is reflected in the products we offer, promoting energy efficiency and environmentally conscious manufacturing processes. When you choose Digital Star, you're not just investing in cutting-edge technology – you're partnering with a company that values the planet as much as your success.



MXL-UV-3W

# PRODUCT OVERVIEW

UV laser marking machine is based on its unique low-power laser beam, especially suitable for the high-end market of ultra-fine processing, such as flexible pcb board marking, cutting: silicon wafer microhole, blind hole processing :LCD liquid crystal glass two-dimensional code marking, metal surface coating marking, plastic keys, electronic components, gifts, communication equipment, etc. At the same time, the UV laser marking machine has the characteristics of ultra-high peak power and very little thermal effect, so it is very suitable for alumina and zirconia ceramic drilling and cutting, and the plastic shell does not damage the surface permanent identification, replacing the screen printing effect.

## ADVANTAGE

- **PORTABLE**

Small size, can be placed on the desktop work. Easy to carry, can be placed in the trunk of the car.

- **ENVIRONMENTAL PROTECTION**

Environmental protection, safety, UV laser marking machine does not produce any harmful chemicals to the human body and the environment, is environmentally friendly technology products.

- **RELIABLE EQUIPMENT**

UV laser marking machine has a mature industrial design, stable and reliable performance, can work continuously for 24 hours, wide temperature adaptation range (5°C -45), widely used in a variety of industry assembly line production fields.

- **GOOD USE EXPERIENCE**

UV laser marking can print a large amount of data in a very small range, laser can be marked with a very fine beam on the product material itself, even in the 1mm-1mm processing range can also print documents with high precision, accurate control, clear interpretation of the printing content, has a strong market competitiveness, and environmental protection and safety, for the operator is also a kind of intimate protection, ensure the production site clean and tidy, reduce late investment, reduce noise pollution.



# PRODUCT SPECIFICATION

| Model                     | MXL-UV-3W           |
|---------------------------|---------------------|
| Wave Length               | 355nm               |
| Repetition Rate           | 10k Hz to 150KHz    |
| Pulse Width               | ≤ 12ns @30KHz       |
| Average Power             | > 3W @30KHz         |
| Average Power Stability   | < +3% Over 24 hours |
| Spot Mode TE              | TEM00( M2 < 1.2)    |
| Beam Diameter             | 0.7mm               |
| Spot Roundness            | > 90%               |
| Pointing Stability        | < 50urad            |
| Polarization Direction    | Horizontal          |
| Polarization Ratio        | 100:1               |
| Machine Power             | 600W                |
| Cooling Mode              | Air- cooling        |
| Supported Formats         | PLT.DXF.BMP         |
| Support System            | Win7/Win10          |
| Machine Size              | 500*330*580mm       |
| Working Area              | 150*150mm           |
| Maximum Height (Material) | 100mm               |
| Focal Length              | 210mm               |
| N.Weight                  | 20Kg                |

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

## Terms and Conditions

01. Payment to be made in SAR currency.
02. Payment Terms : As mentioned in Quotation.
03. Bank Charges: Any bank charges relevant to the above transactions will be to your account.
04. Any charges, duties, taxes or levies at the ports of entry will be to our account.
05. The charges of loading, boarding and local conveyance of the technician will be to our account.
06. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.
07. Digital Star Machinery and Equipments will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents & any related reasons, which is beyond our control.
08. will be applicable as per our Warranty Policies. The Warranty will be valid after signing of Warranty Policies.
09. Service will be free of cost within 12 months from the date of installation.
10. 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.
11. Delivery: As mentioned in quotation

# شركة النجم الرقمي للآلات و المعدات DIGITAL STAR MACHINERY AND EQUIPMENTS

IBN AL SAQA 8162 | AS SALHIYAH DIST | RIYADH - 12662

 +966 11 229 4473

 +966 11 229 4473

 info@digitalstarksa.com

 www.digitalstarksa.com