LASER MACHINE

UV, Fiber, CO_2 & Vision Laser Machine

- Multi-material Marking Area
- Flexible Wavelength
- Industrial-grade Protection
- High-speed Marking
- Instalment Plan

Commitment to Quality - ISO 9001:2015 Certified

ISO 9001 pearl CERTIFICATION
STANDARDS MALAYSIA ACCREDITED ACB 053
PCSB/QMS/60/10097

UV LASER

Suitable for high-precision marking on plastics, glass, crystal, ceramics, PCB, wires, cables, food packaging, etc. Ideal for heat-sensitive materials.

Series	Warranty	Model No.
AMLS-UV	12 months	LV800

Power	Includes
3/ 5/ 10/ 15/ 25 (W)	Windows 10 Computer, Single Arm Fume Purifier

Machine Size **790×600×1440 (mm)**

Technical Parameter

Laser Source	UV
Laser Wavelength	355 nm
Frequency Range	20-200 KHz
Pulse Width Range	<15ns
Marking Speed	≤7000 mm/s
Min. Line Width	0.01 mm
Min. Character	0.05 mm
Repeatability	±0.01 mm
Marking Area	150×150 mm (optional)
Cooling Mode	Water Cooling
Working Power Supply	AC 220V/ 50Hz
Expected Service Life	30,000 hours
Required Operating Environment	<70% Humidity and 40–95°F (5–35°C)
Software	EZCAD
Power	Mean well

Recommended Use Case

The ideal operating condition where the machine is expected to perform efficiently.

Power (W)	Recommended Use Case	Notes
3	Small fonts, low volume, small labels	High precision, but slower
5	Standard plastic and glass marking	Good balance of speed &
100	High-speed, large-area QR codes	Ideal for mass production

Scan to connect and customise your machine.

FIBER LASER

Works on metals (stainless steel, aluminum, copper, iron) and plastics (ABS, PVC). Commonly used for tools, nameplates, and electronic parts.

Series	Warranty	Model No.
AMLS-FL	12 months	LF700

Power	Includes
20/ 30/ 50/ 60/ 80/ 100/ 120/ 150/ 200/ 300/ 500 (W)	Windows 10 Computer, Single Arm Fume Purifier

Machine Size 790×600×1440 (mm)

Technical Parameter

Laser Source	Fiber
Laser Wavelength	1064 nm
Frequency Range	20-100 KHz
Pulse Width Range	200ns
Marking Speed	≤7000 mm/s
Min. Line Width	0.02 mm
Min. Character	0.05 mm
Repeatability	±0.01 mm
Marking Area	150×150 mm (optional)
Cooling Mode	Air Cooling
Working Power Supply	AC 220V/ 50Hz
Expected Service Life	100,000 hours
Required Operating Environment	<70% Humidity and 40–95°F (5–35°C)
Software	EZCAD
Power	Mean well

Recommended Use Case

The ideal operating condition where the machine is expected to perform efficiently.

Power (W)	Recommended Use Case	Notes
20	Entry-level metal marking	Affordable, 1.5s Mark 10 × 10 (mm) QR Code
30	Mid-speed metal line	Best balance of price & performance
50	Fast deep engraving	Suitable for industrial production
100+	Metal cutting/ deep engraving	Not ideal for marking only

Scan to connect and customise your machine.

CO_2 LASER

Used for non-metal materials such as wood, paper, leather, fabric, acrylic, plastic, glass. Widely used in packaging, leather, and advertising industries.

Series	Warranty	Model No.
AMLS-CO_2	12 months	LC600

Power	Includes
20/ 30/ 50/ 60/ 80/ 100/ 120/ 150/ 200/ 300/ 500 (W)	Windows 10 Computer, Single Arm Fume Purifier

Machine Size 790×600×1440 (mm)

Technical Parameter

Laser Source	CO_2
Laser Wavelength	9300 nm / 10600 nm
Frequency Range	0-25KHz
Pulse Width Range	200ns
Marking Speed	≤7000 mm/s
Min. Line Width	0.2 mm
Min. Character	0.5 mm
Repeatability	±0.01 mm
Marking Area	150×150 mm (optional)
Cooling Mode	Air Cooling / Water Cooling
Working Power Supply	AC 220V/ 50Hz
Expected Service Life	30,000 hours
Required Operating Environment	<70% Humidity and 40–95°F (5–35°C)
Software	EZCAD
Power	Mean well

Recommended Use Case

The ideal operating condition where the machine is expected to perform efficiently.

Power (W)	Recommended Use Case	Notes
20 - 30	Paper, wood, leather surface marking	For standard marking needs
50 - 60	Shallow engraving or relief patterns	Used in packaging /branding
80 - 100	Acrylic and wood cutting	Mainly for cutting, not marking

Scan to connect and customise your machine.

VISION LASER

Enhances Fiber, CO_2, and UV machines with camera + software for auto positioning and defect detection, ensuring higher accuracy and quality control.

Series	Warranty	Model No.
AMLS-VL	**12 months**	**VL900**

Power
5/ 8/ 12/ 20/ 30/ 50/ 80/ 100 (W)

Includes
Windows 10 Computer, Vision System (Camera + Software), Single Arm Fume Purifier

Vision System Compatibility
Available for Fiber, CO_2, and UV Laser Marking Machines

Machine Size
790×600×1440 (mm)

Important
The Vision System (Camera + Software) must be installed together with the laser marking machine at the time of purchase. It cannot be added as a later upgrade.

Technical Parameter

Laser Source	**Raycus/ Max**
Laser Wavelength	**1064 nm**
Frequency Range	**20-100 KHz**
Pulse Width Range	**200ns**
Marking Speed	**≤7000 mm/s**
Min. Line Width	**0.02 mm**
Min. Character	**0.2 mm**
Repeatability	**±0.01 μm**
Marking Area	**150×150 mm (effective total coverage across all products)**
Cooling Mode	**Air Cooling**
Working Power Supply	**AC 220V/ 50Hz**
Expected Service Life	**100,000 hours**
Required Operating Environment	**<70% Humidity and 40–95°F (5–35°C)**
Software	**EZCAD**
Power	**Mean well**

Recommended Use Case

The ideal operating condition where the machine is expected to perform efficiently.

Power (W)	Recommended Use Case	Notes
20 - 30	**Paper, wood, leather surface marking**	For standard marking needs
50 - 60	**Shallow engraving or relief patterns**	Used in packaging/ branding
80 - 100+	**Acrylic and wood cutting**	Mainly for cutting, not marking

Scan to connect and customise your machine.

VISION LASER

KEY FEATURES

Automatic Positioning

Camera detects product position/ rotation, system corrects laser marking in real-time

Pattern Recognition

Identifies logos, label edges, or designated marking areas.

Defect Detection

Ensures codes/ marks are clear and scannable; detects missing or incorrect marks.

Vision Laser

Quality Assurance

100% inspection capability for critical industries.

Multi-Product Flexibility

Supports varied product shapes without frequent jig changes.

Integrated Design

The Vision System is factory-integrated with the laser machine to ensure precision and stability. Post-installation upgrades are not supported.

Scan to connect and customise your machine.

Material Vs Laser Type Suitability Summary table

Material	Fiber (1064nm)	UV (355nm)	CO_2 (10.6µm)
Metal	✓ Excellent	Fair	Not Suitable
Stainless Steel	✓ Excellent	Fair	Not Suitable
Aluminium	✓ Excellent	Fair	Not Suitable
Plastic	Limited	✓ Excellent	✓ Good
Glass	Not Suitable	✓ Best Choice	Rough Marking
Acrylic	Melts Easily	✓ Fine	✓ Good Clarity
Wood	Not Suitable	Weak Effect	✓ Deep Engraving
Paperboard	Not Suitable	Weak Effect	✓ Best Choice
Ceramic	Not Suitable	✓ Excellent	Risk of Cracks
Leather	Not Suitable	✓ Fine Texture	✓ Good for Graphics
PCB Boards	✓ Fair	✓ Precision Marking	Not Recommended
Food Packaging Film	Not Suitable	✓ Low-heat Marking	Risk of Melting

Laser Power Buying Recommendations

Your Need	Suggested Power
Fine marking (e.g., small QR code, fine text)	UV : 10W Fiber: 20W
Balanced speed and quality (e.g., food or pharma packaging)	UV: 5W/ 10W Fiber: 30W
Deep or high-contrast marking on metal	Fiber 50W and above
High daily output on automated line	UV : 10W Fiber : 50W
Non-metals like paper boxes, wood, leather	CO_2 : 30W–60W

Complimentary

Laser Marking Fume Extractor

Weight:
14 Kgs

**Complimentary with every laser machine purchase.*

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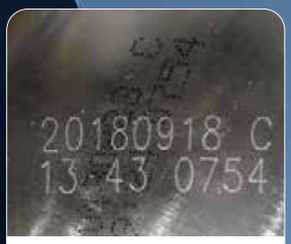
SAMPLE DISPLAY


Egg


Can Ring

Aluminium Cap

Wine Cap



Can Bottom

Corrugated Case


PVC Leather

Watermark Paper

PE/ PET/ PT


Polypropylene

Paper

Glass


Phone Standee


Stainless Steel Gauge


Wooden Comb


Acrylic Keychain


PP Handheld Fan


Wood


Stainless Steel Tumbler


Metal Washer

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ISO 9001 Pearl Certification

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