

LASER MACHINE

UV, Fiber, CO₂ & Vision Laser Machine



Multi-material Marking Area



Flexible Wavelength



Industrial-grade Protection



High-speed Marking



Instalment Plan



UV LASER

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

Series
AMLS-UV

Warranty
12 months

Model No.
LV800

Power
5/ 10/ 15/ 25
(W)

Includes
Windows 10
Computer, Single
Arm Fume Purifier

Machine Size 790×600×1440 (mm)

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

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



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
AMLS-FL

Warranty
12 months

Model No.
LF700

Power
20/ 30/ 50/ 60/ 80/
100/ 120/ 150/ 200/
300/ 500 (W)

Includes
Windows 10
Computer, Single
Arm Fume Purifier

Machine Size 790×600×1440 (mm)

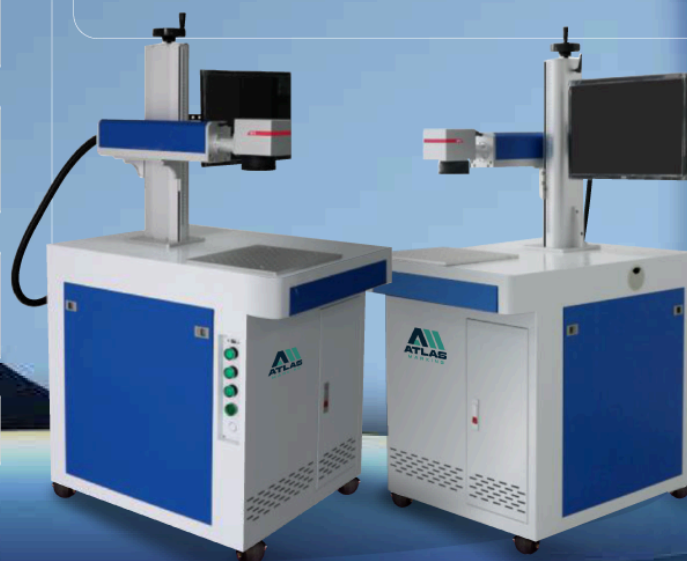
Recommended Use Case

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

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



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CO₂ LASER

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

Series
AMLS-CO₂

Warranty
12 months

Model No.
LC600

Power
20/ 30/ 50/ 60/ 80/
100/ 120/ 150/ 200/
300/ 500 (W)

Includes
Windows 10
Computer, Single
Arm Fume Purifier

Machine Size 790×600×1440 (mm)

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

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



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VISION LASER

Enhances Fiber, CO₂, and UV machines with camera + software for auto positioning and defect detection, ensuring higher accuracy and quality control.

Series
AMLS-VL

Warranty
12 months

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,
CO₂, 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.

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

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



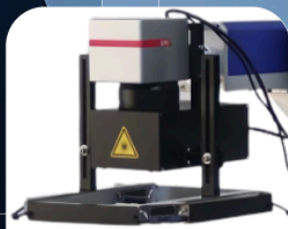
Scan to connect and customise your machine.

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

Pattern
Recognition
Identifies logos,
label edges, or
designated
marking areas.

VISION LASER

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



Vision Laser



Quality
Assurance
100%
inspection
capability for
critical
industries.

KEY FEATURES

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.



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

Purchase with Purchase

Laser Marking Fume Extractor



*Complimentary with every laser machine purchase.



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SAMPLE DISPLAY



Egg



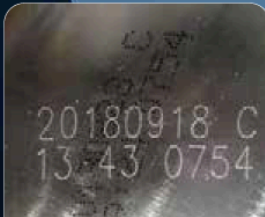
Can Ring



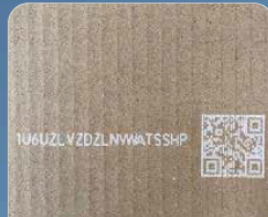
Aluminium Cap



Wine Cap



Can Bottom



Corrugated Case



PVC Leather



Watermark Paper



PE/ PET/ PT



Polypropylene



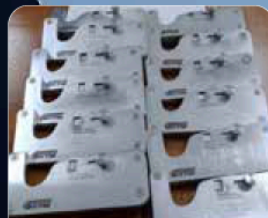
Paper



Glass



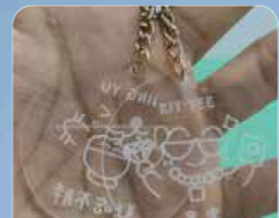
Phone Standee



Stainless Steel Gauge



Wooden Comb



Acrylic Keychain



PP Handheld Fan



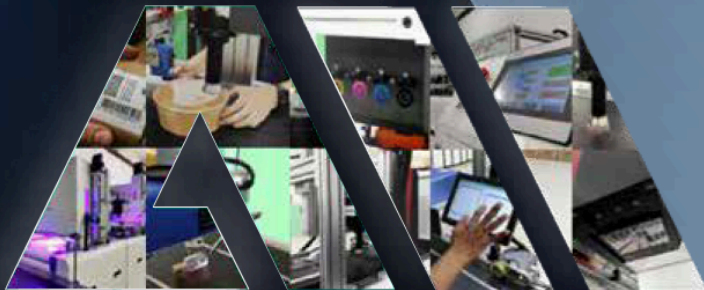
Wood



Stainless Steel Tumbler



Metal Washer



✉ sales@atlasmarking.com

🌐 www.atlasmarking.com

📍 No 6, Jalan SR 4/19, Taman Serdang Raya,
43300, Seri Kembangan, Selangor.



PCSB/QMS/60/10097