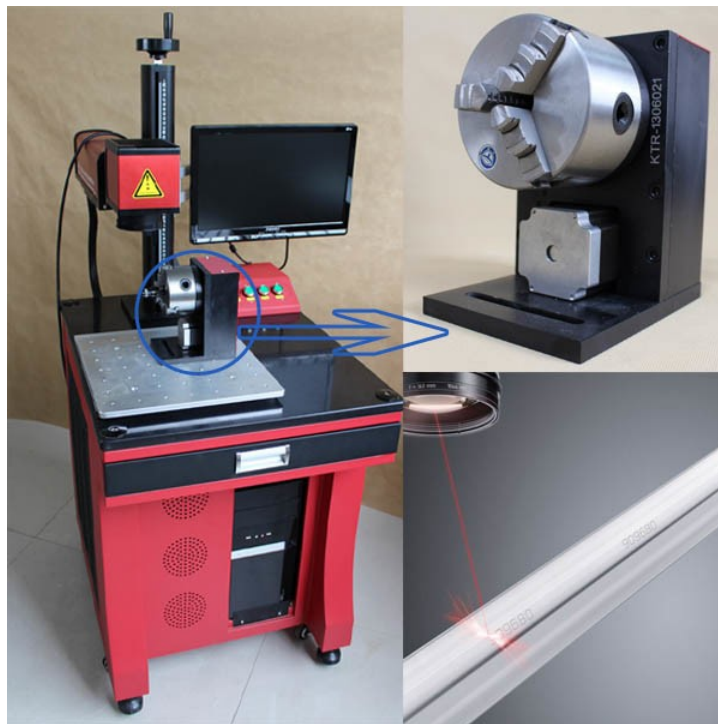


Laser Etching Machine

Product Technical Sourcing Proposal
Electronics & Energy Systems



Real supplier reference image. Final brand, model and appearance depend on selected quotation.

RECOMMENDED SUPPLY CONFIGURATION

Choose the laser source and working area from the confirmed material, maximum thickness, required cut/mark/engrave quality and realistic workload. Include extraction, cooling and safety enclosure appropriate to the process.

Product Overview, Applications & Primary Use

Precision etching system for plastics and metals with XYZ axes and beam depth control.

Technical sourcing approach

- Confirm the real operating duty and site conditions before comparing models.
- Compare supplier quotations against one common technical specification.
- Require a factory test, drawings, manuals and a critical-spares list.
- Plan freight, inspection, installation interfaces and after-sales support before purchase.

Applications and primary use

- Cutting, marking, engraving, etching, brazing or cladding of the confirmed material.
- Production sized to actual sheet/part dimensions and daily workload.
- Replacement or expansion after checking software, optics and assist-gas compatibility.
- Local installation only after power, extraction, cooling and laser-safety provisions are confirmed.



Product-Specific Technical Specification

Selection parameter	Required function / value	Buyer or site input
Process and material	Laser type suited to material and required result	Provide samples and application
Maximum size/thickness	Working area and power cover launch parts	Provide drawings and thickness range
Laser source	Required wavelength, rated power and service life	State preferred source/serviceability
Accuracy and finish	Meet dimensional and surface-quality limits	Define acceptance sample
Motion/rotary options	Handle flat or shaped parts as required	List axes and fixtures
Cooling/extraction	Protect source and remove fumes safely	State water and ventilation conditions
Software/files	Import required drawing formats and nesting	Provide file types
Safety	Enclosure, interlocks and protective equipment for installation	Confirm operator and room controls

Buyer checklist and quotation requirements

- Send material samples and drawings with maximum size and thickness.
- State whether the duty is cutting, marking, engraving, welding or cladding.
- Define speed, tolerance, edge/mark quality and daily workload.
- Confirm electricity, cooling water, assist gas and extraction availability.
- List rotary axes, fixtures, autofocus, nesting and software requirements.
- Require a sample trial and video using the intended material.
- Confirm laser-source warranty, optics/consumables and local safety provisions.

Final technical parameters, included accessories and acceptance criteria must be confirmed in the supplier quotation, test report and purchase contract. Do not purchase from photographs alone.

Indicative Product Pricing & Supply Guide

PRODUCT QUOTATION BASIS

Final pricing for Laser Etching Machine follows the confirmed technical specification, required rating or capacity, included accessories, inspection scope, delivery terms and destination.

Supply component	Indicative planning range	Quotation basis
Laser machine and source	US\$3k-30k	Minimum power for confirmed material
Chiller, extraction and essential fixtures	US\$1k-8k	Only required launch accessories
Freight and clearance	US\$2k-10k	Protected shipment
Installation, training and consumables	US\$1k-6k	Local utilities with supplier support
Low-entry laser package total	US\$7k-54k	Final price follows source and working area

Technical sourcing and delivery process

Phase 1	Define requirement and request comparable quotations - 1 to 2 weeks
Phase 2	Technical clarification, negotiation and inspection plan - 1 to 3 weeks
Phase 3	Manufacture or refurbishment - typically 3 to 10 weeks
Phase 4	Shipping and customs clearance - typically 3 to 7 weeks
Phase 5	Local installation, training and trial operation - 1 to 3 weeks

These are non-binding planning ranges. Final product price and delivered cost depend on the confirmed specification, accessories, inspection, freight, customs, exchange rate and destination.

Sanaatchi Support & Contact

- Supplier search using one confirmed product specification
- Side-by-side technical and commercial quotation comparison
- Factory test, documentation and pre-shipment inspection coordination
- Lowest-cost practical logistics planning from China to Afghanistan
- Installation-interface, spare-parts and after-sales coordination

Sanaatchi Industrial Vision Group

Afghanistan Office: +93 779 819 820 | info@sanaatchi.com

China Office: +86 159 5171 6867 | china@sanaatchi.com

Website: www.sanaatchi.com

Supplier image references

- Supplier image reference:

<https://image.made-in-china.com/2f0j00QZNTfYmEYjkD/Monthly-Deals-Factory-Fiber-Laser-Engraving-Etching-Machine-with-Rotary-Chuck.jpg>

- Supplier image reference:

<https://image.made-in-china.com/2f0j00haNosQyIzVli/50W-Desktop-Type-Fiber-Laser-Marking-Engraving-Etching-Machine-for-Stainless-Steel-Copper.jpg>