

XTOOL

xTool F1 Ultra

**World's First 20W Fiber &
20W Diode Laser Engraver**



Innovation Expands.

Most Detailed Results in the Largest Desktop Fiber Ever

Authorized Distributor:



دیجیتال ستار
DIGITAL STAR

Push Productivity to Factory-Level



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 The State of Qatar, 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.

xTool F1 Ultra

20W Fiber & Diode Dual Laser Engraver



The Ultimate Production Solution for Everyone



Deep-Engrave Jewelry

Create Stunning jewelry with deep metal engraving, embossing, thin metal cutting



Onsite Customizing

In just 30 seconds, F1 Ultra can earn extra by customization



Streamline your production

F1 Ultra features auto streamline Production function, finishing a batch in minutes.



Make All Types of Gifts

Working on over 300 materials F1 Ultra can satisfy all of your gift/ souvenir ideas.

Innovation Expands Engraving Boundaries

Most Detailed Results in the Largest Desktop Fiber Ever



10000mm/s

Supported by Intelligent Path Planning Algorithm



AI Helps You Design

Almost All Materials Can Be Engraved

20W
Fiber Laser

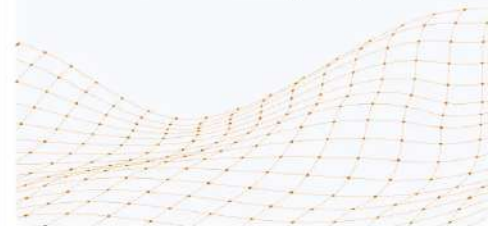
20W
Diode Laser

300+



Curve Surface Engraving

3D Curve™ Engraving



16MP Smart Camera

Auto Focus and Smart Fill



Largest in Its Kind



220x500mm

Auto Streamline™ Production



Ultra
HD



7GB Offline-use
Control Panel



Enclosed Design



Plug and Play

Work on Almost All Materials

World's First 20W Fiber & 20W Diode Dual Laser

We combined the abilities of two lasers in the F1 Ultra: a fiber laser for its exceptional metal engraving performance and a blue diode laser for engraving the most common materials.



Fiber Laser



Diode Laser



20W POWER BEAST, MAKE YOUR MASTERPIECE

With a 20W fiber laser and a 20W diode laser, F1 Ultra is potent enough for deep engraving, embossing relieving and cutting on metals, wood, acrylic, etc.

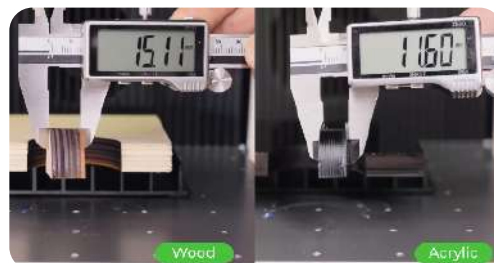


THIN METAL CUTTING

20W fiber inside F1 ultra can cut up to 0.4mm brass metal sheet, 0.3mm stainless steel metal sheet and 0.2mm aluminum metal sheet.

15MM WOOD & 12MM ACRYLIC CUTTING

20W diode laser inside F1 Ultra is powerful enough to cut wood up to 15mm, and acrylic up to 12mm.



COLOR ENGRAVING

Both fiber and diode lasers in F1 Ultra can do color engraving on metal faster than ever.

SAFE IN ALL ASPECTS



CREATE LIKE A PRO IN JUST 3 STEPS!



Step 1: Design



Step 2: Camera Positioning



Step 3: Push a Button



Done!

DIVERSE ACCESSORIES SIMPLIFY CREATIONS

(OPTIONAL)

xTool MagSwap™ RA3 Rotary
From Fast Mode Switching to
Perfect Rotary Engraving



xTool Conveyor
Expand your working area
& Streamline the engraving



xTool SafetyPro™ AP2
Air Purifier with Super
Cyclone System



PRODUCT SPECIFICATION

PROCESSING CAPABILITY	
Laser Type	20W Diode Laser + 20W Fiber Laser
Processing Mode	Laser Engraving Laser Cutting
Supported Materials	Laser Cuttable:
	Diode Laser: Paper, Wood, Leather, MDF, Felt, Some dark opaque acrylic
	Fiber Laser: Brass, Stainless Steel, Aluminum
	Laser Engravable:
	Diode Laser: Paper, Wood, Leather, MDF, Stainless steel, Some dark
	opaque acrylic, Bamboo, Fabric, Dark glass, Ceramic, Jade, Marble, Shale,
	Cement, Brick, Plated metal, Painted metal
	Fiber Laser: Stainless Steel, Aluminum, Brass, Sliver, Plastic, Platinum,
	Titanium, Gold
Working Area	8.6" × 8.6" (220 mm × 220 mm)
	8.6" × 19.6" (with conveyor) (220 mm × 500 mm)
Max. Working Speed	10000mm/s
Max. Laser Cutting Capacity (Basswood)	15 mm in Multiple Passes
Max. Processing Height	145 mm
Max. Rotary Engraving Diameter	145 mm

SMART SOFTWARE	
Supported Software	xTool Studio
Operating System	Windows / macOS
Connection Methods	USB/Wi-Fi/IP/Hotspot
Supported Files	SVG/DXF/JPG/JPEG/PNG/BMP/TIF
Almake Compatibility	Yes

EASY OPERATION	
Pre-assembled	Yes
Built-in Camera	16 MP Smart Camera
Positioning Method	Camera positioning
Focus Mode	Autofocus

Ranging System	/
Preview Method	Smart Camera Preview
	High-speed Light Live Preview

ACCURACY & PRECISION

Laser Spot Size	20W Diode Laser: 0.08*0.1mm
	20W Diode Laser: 0.03*0.03mm
Positioning Precision	N/A
Ranging Precision	0.5 mm, Camera
Image Resolution	N/A
Motion Accuracy	0.00482 mm

GENERAL INFORMATION

Safety Certification	Class 4 Laser Safety
Product Size	10.75" x 14.69" x 19.37" (273 × 373 × 492 mm)
Product Weight	32.4 lb (14.7kg)
Max. Machine Input Power	250 W - 275 W
Power Adapter Input Voltage	100 V - 240 V, AC 50/60 Hz

xTool F1 Ultra
20W Fiber & Diode Dual Laser Engraver



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 and 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. The warranty will be 12 months from the date of installation from Digital Star Qatar. Wear and tear, consumables are exempted and warranty can be claimed only if you use the Inks and Services 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. Delivery: As mentioned in quotation

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