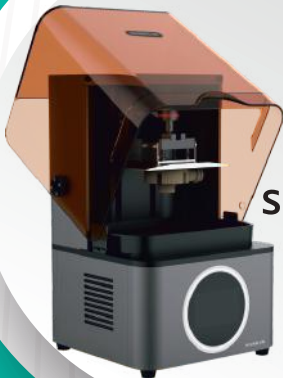


FROM CONCEPT TO CREATION 3D PRINTING MADE SIMPLE.

ASIGA®



**SHINING 3D
DENTAL**



ELEGOO



The Max 2.

Built to outperform.

Small in size, big on features.

Tried and tested, the Max 2 delivers consistency in the most demanding production environments.

- ✦ **Globally proven layer formation technologies:** Every single layer formed under a closely monitored process delivering exceptional consistency and performance.
- ✦ **Active Layer Monitoring:** Asiga's pioneering Smart Positioning System (SPS™) achieves precise layer thickness control of each and every layer, ensuring optimal print accuracy and speed.
- ✦ **DLP Micromirror Technology:** Achieve the highest standard of reliability with the broadest wavelength capability of any imaging technology.
- ✦ **Auto-Calibrating UV LED:** Combining the latest generation of high-power ultraviolet solid-state light sources with an integrated radiometer ensures years of consistent printing performance. 385nm LED as standard.
- ✦ **A simple user interface:** Navigate to your next build easily and then follow the prompts. The UI on the Max 2 will walk you through the process of starting the printer with simple messaging & clear infographics.
- ✦ **Transparent Mode™:** True water-clear resins can now be printed with extreme precision. Printing clear materials has never been this accurate.
- ✦ **Chamber heating:** Take advantage of a chamber heating system to warm your temperature sensitive materials ready for printing. Also did you know, a little heat helps reduce material viscosity allowing you to print faster!
- ✦ **Material Freedom:** Over 500 materials available. Experience the widest choice of materials on the market with unlimited and unrestricted access to many industry-leading materials for a variety of applications. Future-proof your business and stay up-to-date with the latest validated 3D print materials thanks to Asiga's Open Material Architecture.



Accessories	MAX2
Build Size xyz	119 x 67 x 76mm
Pixel size	62µm
Technology	DLP imaging with Asiga's integrated SPS™ technology and auto-calibrating LED power sensor
LED Wavelength	385nm UV industrial grade LED
Material System	Unrestricted and unlimited access to more than 500 industry-leading materials
Smart User Features	Intuitive user interface, 60-second calibration, Rapid material change-over
Software	Asiga Composer software. Lifetime updates included
File inputs	STL, SLC, PLY, STM (Asiga Stomp file format)
Power requirements	100-240VAC / 500Watts
System sizing	260 x 385 x 370mm Weight 19Kg 10.2 x x 15.2 x 14.5 inches Weight 42.6 Lbs



reddot winner 2024



**GOOD
DESIGN
AWARD®
WINNER**

The Ultra

Predictable, reliable, smart.

Our most advanced 3D printer yet.

Unrivalled 3D print monitoring technologies
Engineered to deliver production continuity
in any environment.

- ✦ **Active Layer Monitoring:** Asiga's pioneering Smart Positioning System (SPS™) achieves precise layer thickness control of each and every layer, ensuring optimal print accuracy and speed.
- ✦ **4K Imaging Resolution:** The latest high resolution imaging chipset delivers extraordinary resolution over a large build envelope.
- ✦ **Auto-Calibrating UV LED:** Combining the latest generation of high-power ultraviolet solid-state light sources with an integrated radiometer ensures years of consistent printing performance. 385nm LED as standard.
- ✦ **DLP Micromirror Technology:** Achieve the highest standard of reliability with the broadest wavelength capability of any imaging technology.
- ✦ **User features that actually make a difference:** No gimmicks. Functional, useful features to make your workflow easier.
- ✦ **Touchless Entry:** Interact with your 3D printer without contaminating surfaces or double handling. Give the Ultra a wave and watch the hood open effortlessly. Manual opening also possible!
- ✦ **Magnetic Platform Holder:** Streamline your workflow and be automation ready with the new magnetic build-platform holder. No latches, screws or calibration is necessary.
- ✦ **Infrared Material Heater:** Access a new generation of advanced materials with the infrared material heating system. Achieve temperatures up to 70°C.

Accessories	Ultra (32)	Ultra (50)
Build Volume X, Y, Z	119 x 67 x 130mm	189 x 106 x 130mm
Pixel Size	32µm	50µm
Technology	DLP	
Auto-calibrating UV LED	385nm (365nm and 405nm available on request)	
Material Compatibility	Use any one of over 500 qualified resins from the world's leading material manufacturers, or create your own.	
Software	Asiga Composer software. Lifetime updates included	
File Inputs	STL, SLC, PLY, STM (Asiga Stomp file format)	
Network Compatibility	Wifi, Wireless Direct, Ethernet	
Power Requirements	100-240VAC / 500Watts	
System Sizing	353 x 441 x 555mm Weight 32.5Kg 13.9 x 17.3 x 21.8 inches Weight 71.5 Lbs	

SHINING 3D DENTAL

AccuFab-L4K High-Precision Resin 3D Printer

A high-precision resin 3D printer that improves prototyping efficiency and shortens the new product development lifecycle.



HIGH
PRECISION



HIGH
RESOLUTION



HIGH
FIDELITY



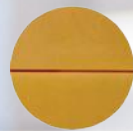
MULTIPLE
ENGINEERING
MATERIALS



IT7
Accuracy



IT8
Accuracy



IT9
Accuracy



Technical Parameters: AccuFab-L4K 3D Printer

Optical Spec	Resolution: 3840×2400
	Pixel Size: 0.05 mm
	Wavelength: 405 nm
	Light Intensity: 3 mw/cm ²
Print Spec	Light Source: UV LED + LCD
	Print Size: 192 mm×120 mm×180 mm
	Print Speed: 10~ 50 mm/h
	Tolerance: ±0.05 mm
Environment Spec	Layer Thickness: 0.025 / 0.05 / 0.075 / 0.1 mm
	Working Temperature: 20°C ~ 30° Working Humidity: 30% ~ 70%

Others	Connection: Wi-Fi/Ethernet/Thumdrive
	Weight: 19 kg
	Printer Dimensions: 360 mm×360 mm×530 mm
Available Materials	SHINING 3D Engineering Material: White Material: TR01 S1; Yellow Material: Dm12; Transparent Material: SG01; Black Material: S2; Washable Material: W1
	BASF Engineering Material: Durable Material: ST45; ST80; Rigid Material: RG35; RG50; Flexible Material: Fl60; El150
	Third Party Certified Resin: Third party resin materials approved by SHINING 3D, also can be used in AccuFab-L4K High-Precision Resin 3D Printer



SONIC MIGHTY 12K 3D PRINTER

Technical Parameters: Sonic Mighty 12K

Printing Volume	21.8 X 12.3 X 23.5
Printing Speed	Avg. 400 layers / hour
XY Resolution	19 X 24 μ m
Layer Thickness	0.01-0.30 mm
Light Source	Linear Projection LED Module
LCD Specification	10.1" 12K Mono LCD (11520 X 5120 Pixel)
Operation	5" Touchscreen Panel
Slicer Software	CHITUBOX VI 1.9.4 & above
Compatible File Format	CTB, PRZ

Connectivity	USB, Ethernet, Wi-Fi
Printer Size	33.7 X 33.7 X 51.6 cm
Printer Weight	14.3 kg
Power Requirement	DC 24V, 5A
System Power	120W
Rail System	Dual Linear Rails
Z-Axis Screw	Lead Screw
Release Film	nFEP Film

Sonic Mighty 12K 3D Printer

The Mighty You Love, Now in 12K



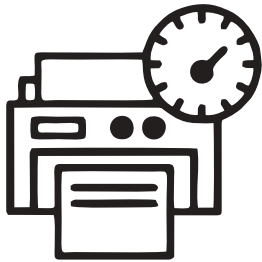
Reliable 12K
Printing Quality



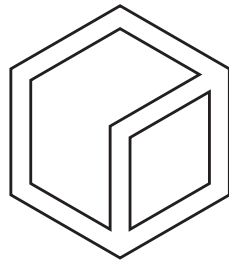
10" LCD for Bigger
Possibilities



Intuitive, User Friendly
Experience



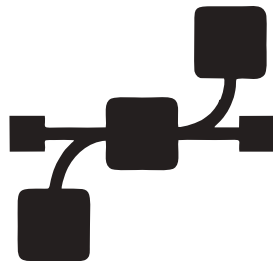
Fast Printing
Speed



Durable
Construction



Versatile Software
Compatibility



Multi-Connectivity
Options



GLB - 200M



Industrial-grade Metal
3D Printing System

The Future of Metal Manufacturing,
Printed Today.

Key Features

- ✦ Fully Open Source Parameter Editing Window
- ✦ Drying Machine, Sawing Machine, Nitrogen Generator
- ✦ Vibrating Machine, Vacuum Cleaner, Water Chiller, Air Compressor



Dual Material
Compatibility



The Parameter Editing
Window Is Fully Open Source



Metal Sintering Furnace
(for Cobalt Chrome
applications)



10 kg Metal
Powder



A wide Range of Metal
Material Process Packages



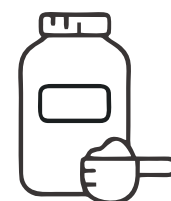
10 Build Plates



Titanium Upgrade
Optional Available



Permanent
Filters



Large-Capacity Continuous
Powder Feeding

GLB-200M Technical Specifications

Basic Size

Equipment Size	1280mm x 810mm x 1860mm
Print Size	φ 150mm x 90mm
Machine Weight	800KG

Performance Parameters

Powder Layer Thickness	0.03mm/0.06mm
Powder Delivery Method	Single-cylinder bottom-fed powder delivery
Powder Spread Method	One-way Powder Spread
Scanning Speed	7-12m/s
Dimensional Accuracy	+0.05mm
Supervisory Software	Independently developed by GLOBAL LASER BOX
Supported Interface Types	RS232/RS485, Ethernet, USB, Can open
Human-Machine Interaction Device	PC
Operating System	Windows10
Communication Protocol between Upper & Lower Computers	Modbus Standard Protocol
Driving Component	Servo Motor
Control Software	Independently developed by GLOBAL LASER BOX (YM Build II)
Data Processing Software	VoxelDance

Optical Performance

Laser System	Maxphotonics
Scanning System	RAY-MOTION High-Precision Scanning Mirror
Beam Diameter	9-120μm
Laser Power- Laser Control System	RTC4

System Protection & Energy Consumption

Protective Gas	Nitrogen, Argon
Gas Protection System	Gas Flat Flow Smoke & Dust Recovery System
Equipment Power	3KW
Operating Environment	Temperature 25+3°C, Humidity <75%
Supported Print File Format	STL
Automatic Setup & Monitoring Alarm	Supported

GLB -120M

Desktop Grade Metal 3D Printing System

**Redefining Reality,
One Print at a Time.**

Key Features

- ✦ Drying Machine, Sawing Machine, Nitrogen Generator
- ✦ Vibrating Machine, Vacuum Cleaner, Water Chiller, Air Compressor



Dual Material
Compatibility



Ultra-Small
Footprint



Metal Sintering Furnace
(for Cobalt Chrome
Applications)



10 kg Metal
Powder



A wide Range of Metal
Material Process Packages



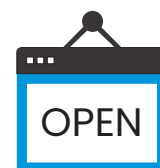
10 Build Plates



Titanium Upgrade
Optional Available



Permanent
Filters



Fully Open Source
Parameter Editing
Window

GLB-120M Technical Specifications

Basic Size

Equipment Size	700mm x 700mm x 700mm
Print Size	φ 120mm x 80mm
Machine Weight	200KG

Performance Parameters

Powder Layer Thickness	0.03mm/0.1mm
Powder Delivery Method	Top-feed Powder
Powder Spread Method	One-way Powder Spread
Scanning Speed	7-12m/s
Dimensional Accuracy	+0.05mm
Supervisory Software	Independently developed by GLOBAL LASER BOX
Supported Interface Types	RS232/RS485, Ethernet, USB, Can open
Human-Machine Interaction Device	PC
Operating System	Windows10
Communication Protocol between Upper & Lower Computers	Modbus Standard Protocol
Driving Component	Servo Motor
Control Software	Independently developed by GLOBAL LASER BOX (YM Build II)
Data Processing Software	VoxelDance

Optical Performance

Laser System	Fiber Laser
Scanning System	High-precision Scanning Mirror Laser
Beam Diameter	8-12μm
Laser Power- Laser Control System	RTC5

System Protection & Energy Consumption

Protective Gas	Nitrogen, Argon
Gas Protection System	Gas Flat Flow Smoke & Dust Recovery System
Equipment Power	0.8KW
Operating Environment	Temperature 25+3°C, Humidity <75%
Supported Print File Format	STL
Automatic Setup & Monitoring Alarm	Supported

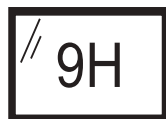
Saturn 3 Ultra 12K Resin 3D Printer



ELEGOO Saturn Ultra 3 adopts a 10-inch 12K Resin LCD 3D Printer, which allows for the production of intricate models with excellent details & exceptional sharpness. The replaceable 9H tempered glass effectively prevents scratches and damage to the LCD screen and prolongs its lifespan.



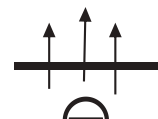
12K IPS Resolution
11520X5120 (19*24μm)



Tempered Glass
9H Hardness



Print Volume
218.88*122.88*250mm³



Patented Fresnel
Collimating Light Source



Laser-engraved
Build Plate



Upgraded
Heat Sink



Upgraded
Plug-in Air Purifier



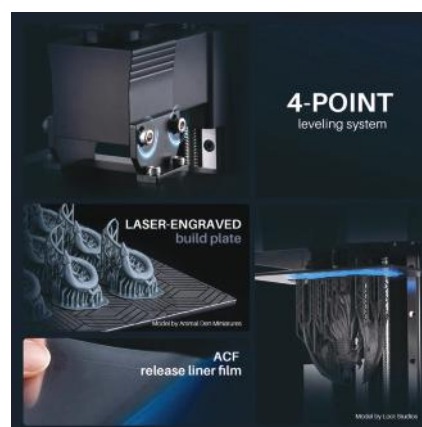
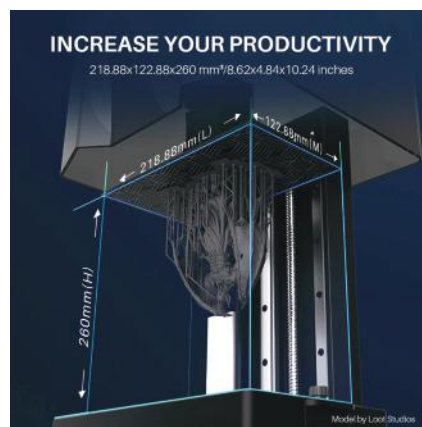
Open-Source
GOO Slicing Format

Technical Parameters: Saturn Ultra 3 12K Resin

LCD	10-inch 12K Mono LCD
System	EL3D-4.0
Motherboard System	Linux OS with 4Gb ROM
Slicer Software	Chitu Box & Voxeldance Tango & Autodesk Fusion
Touch Screen	IPS Capacitive Touch Screen
Technology	MSLA Stereolithography
Layer Thickness	0.01-0.2mm
Printing Speed	MAX 150mm/h
Z Axis Accuracy	0.01mm
Z-axis	Ball screw + Dual Linear Rails
Release Film	ACE Release Film
Light Source	COB + Refractive Light Source
XY Resolution	19x24μm(11520x5120)
Build Volume (LXWXH)	218.88 x 122.88 x 250 mm ³

Technical Parameters: Saturn Ultra 3 12K Resin

Light Source	COB+Refractive Light Source (wavelength 405nm)
Leveling Method	4-point leveling
Slicing Format	Open-source GOO format
Screen Protector	9H Tempered Glass
Air Purifier	Supported
Connectivity	USB Interface & WiFi
Operation	4.0-inch Capacitive Touch Screen
Printer Dim.(mm)	305.9(L) X 273(W) X 562.5(H)
Air Purifier	Plug-in
Wi-Fi Transfer Speeds	6-10Mbps
Heat Dissipation Method	6 copper heat pipes + 4 fans
Resin	Supports most resins on the market (water-washable, standard, ABS-like, plant-based, etc.)





WHERE **TRUST** COMES FIRST



**Warranty Ke Saath Bhi
Warranty Ke Baad Bhi**

For Sales Queries

 85277 00805

 cadcamcrm@unicorndenmart.com

Customer Care

 011-45551250, 95994 48518

 care@unicorndenmart.com | care1@unicorndenmart.com



SCAN TO VISIT OUR WEBSITE



Corporate Office: 3 Local Shopping Centre, MOR Land, Near J Block DDA Market,
New Rajender Nagar, New Delhi – 110060

    /unicorndenmart.com

* Accessories shown may not be a part of standard equipment. Specifications are subject to change without notice.

Ver 12/2024