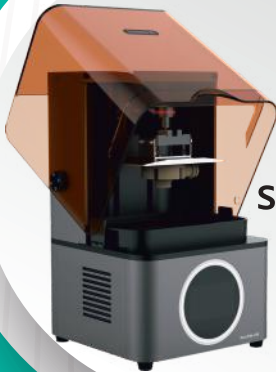


FROM CONCEPT TO CREATION 3D PRINTING MADE SIMPLE.

ASIGA®



**SHINING 3D
DENTAL**



FASTFORM



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



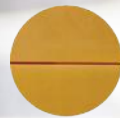
MULTIPLE
ENGINEERING
MATERIALS



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
	Light Source: UV LED + LCD
Print Spec	Print Size: 192 mm×120 mm×180 mm
	Print Speed: 10~ 50 mm/h
	Tolerance: ±0.05 mm
	Layer Thickness: 0.025 / 0.05 / 0.075 / 0.1 mm
Environment Spec	Working Temperature: 20°C ~ 30°
	Working Humidity: 30% ~ 70%

Others	Connection: Wi-Fi/Ethernet/Thumbdrive
	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: FI60; EI150
	Third Party Certified Resin: Third party resin materials approved by SHINING 3D, also can be used in AccuFab-L4K High-Precision Resin 3D Printer

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



red dot 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	



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

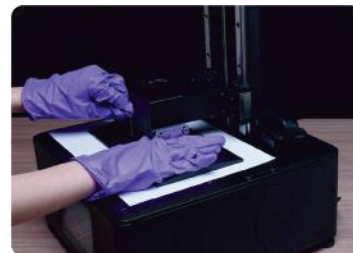
The Mighty You Love, Now in 12K



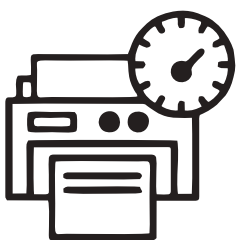
Reliable 12K
Printing Quality



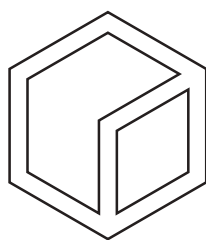
10" LCD for Bigger
Possibilities



Intuitive, User Friendly
Experience



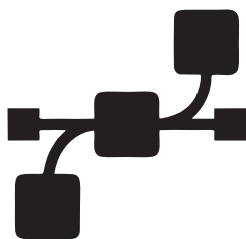
Fast Printing
Speed



Durable
Construction



Versatile Software
Compatibility



Multi-Connectivity
Options



DeskFab X1

All-in-one True Desktop

True Desktop Metal 3D Printer



CE Safety
Certificated



FDA Laser Safety
Registration
Certification

Certification Integrated, ultimate space

- ✦ Dimension: 600×650×800 mm
- ✦ Floor area: 0.39 m²



Maintenance-free for lifetime. Zero cost

- ✦ Life time of filter is more than 30,000 hours. The cost is almost "0" compare with replaceable filter
- ✦ No operation of disassembly/installation avoid risks for explosion



One-click typeset, one-click print, master the metal 3d printer without skills

- ✦ One-click AI typesetting: FastLayer automatically complete dental crowns typesetting within 5 mins
- ✦ One-click print: FastFab one-click printing function



Multi-functions, multi materials exchangeable

- ✦ Modularize powder tank available to change CoCr Titanium etc



Fool-proof construction design, easy installation

- ✦ Four different color pipe design no mistake connection



LFPT (Laser Following Powder Technology)

- ✦ Fastform special designed LFPT increases printing efficiency more than 20%



Product Parameters	
Product Model	DeskFab X1
Printer Dimensions	600mm×650mm×800mm (L×D×H)
Machine Weight	140kg
Build Size	φ100×75mm
Laser Power	300W
Number of Lasers	Single
Power feeding Type	Top power feeding, one-way recoating
Recoater Type	Flexible Soft Blade
Baseplate Installation	Quick-release magnetic fixed
Filtration Lifetime	Permanent Filter ≥30,000 Hours
Printable Materials	Cobalt–chromium alloy, Titanium Alloy, Pure Titanium, etc.
Software	FastLayer Splicing Software & FastFab control Software
Power Output	1.2kW
Protective Gas	N ₂ , Ar
Build Rate	100 crowns or 7 partial denture / 3 h

Accessories



Nitrogen Generator



Vacuum Cleaner



Electric Shovel Tools



Drying Oven



Screening Machine/
or Sieving Machine



Water Cooled Chiller



Voltage Stabilizer



Muffle Furnace



Air Compressor

FF-M140C 3D SLM Printer 3D printing machine for dental metal additive manufacturer

Quality advantage

- ✦ Stabilized optical system
- ✦ Self-developed software for one-button automatic typesetting, specially customized for dentistry.

Efficiency advantage

- ✦ 150 crowns / 5 hours. 15 frameworks / 6 hours
- ✦ Permanent filter, high powder utilization rate.
- ✦ The crown veneer can complete typesetting and data processing in 5 minutes at the earliest.

Security advantage

- ✦ > 5 years of verification, has formed an independent and perfect safety production process.
- ✦ Bring your own camera, support remote monitoring and operation, and monitor the production status anytime and anywhere.
- ✦ Integrated welding structure, strong stability and convenient installation.



Accessories



Nitrogen Generator



Vacuum Cleaner



Sawing Machine



Drying Oven



Screening Machine/
or Sieving Machine



Water Cooled Chiller



Voltage Stabilizer



Muffle Furnace



Air Compressor

Product Parameters	
Product Model	FastForm FF-M140C
Print volume	Dia 140mmx100mm
Spot size	50-80um
Scraper Type	Flexible scraper
Laser power	500W
Average power consumption	1.5KW
Minimum oxygen content	0.1%
Substrate fixing method	Quick installation substrate/screw fixation
Galvanometer scanning speed	0~10m/s
Typesetting method	fully automatic type setting and path planning
Whether to support continuous print after power failure	Yes
Printable materials	CoCr,TC4,Pure Ti
Dimension	1050x870x1750mm(LxDxH)
Powder layer thickness	0.02-0.15mm
Number of lasers	single laser
Power supply type	single phase 220v
Protective gas	nitrogen,argon
Cooling method	water cooling
Powder spreading method	Upper powder feeding
Dimensional accuracy	±0.05mm
The maximum amount of powder added at a time	2.5L
Whether to support automatic shutdown	Yes
Filter life	Permanent filter, service life not less than 30,000 hours

Standard Resins

A Top Choice for Entry-Level Users

LIGHT BEIGE



GRAY



Classic Formula for Entry-Level Users

As the best-selling resin, standard resin delivers balanced performance in terms of printing success rate, stickiness with the print bed, model details, printing precision, hardness, resilience, smell, fluidity, and ease in cleaning.

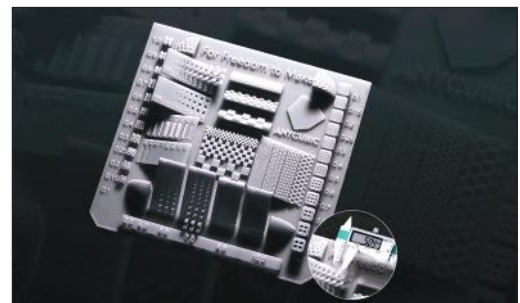


General Resin with Balanced Performance

Standard Resin can satisfy users' requirements regarding the material performance of general resin, as it delivers balanced performance in terms of stiffness, hardness, resilience, and details.

High Model Precision

Molding precision is within $\pm 0.2\text{mm}$. Based on the energy uniformity of the equipment, the molding precision can be controlled within $\pm 0.1\text{mm}$, so as to deliver good details, characteristic details, and sound hole effect.



SHINING DENT 3D Printing Materials**DM12 Implant Model (Geller Model)**

Dental Model DM12 is the ideal choice for printing separated models for crown and bridge application. DM12 optimizes model precision through its lower elasticity and higher flexural modulus compared to the previous DM11. The hardness and mechanical properties of the cured resin allows the DM12 to resist abrasion during seating and finishing for crown and bridge cases, ensuring a perfect fit every time. The yellow color offers maximum detection of margin lines and adjacent contours, and cleanup is easy thanks to the low viscosity of the resin.

Low viscosity, high stability

**DM03 Implant Model (Grey)**

Dental model DM03 is the ideal choice for printing implant models and separated models for C&B applications. This material has features including high toughness, high pressure resistance, etc. This allows the best experience when using for implant models. The hardness and mechanical properties of cured resin allows DM03 to resist abrasion and tearing force during seating and finishing implant cases, ensuring perfect cases every time. The grey colour allows the perfect performance in model details. DM03 is recommended to place at room temperature 23±2 with humidity <70%

Accuracy of printed curing model:

Within 10 days >90% | Within 15 days >85%

**SG01 Surgical Guide**

Surgical Guide SG01 is a clear and biocompatible resin intended for printing dental surgical guides. It is certified by FDA as Class I medical instrument and meets ISO 10993 standards, making it ideal for customized, non-implantable use with body contact limited to 24 hours. SG01 is a rigid polymer with minimal flex, which allows it to maintain its form during dental surgeries.

Biocompatible, transparent





WHERE **TRUST** COMES FIRST



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Warranty Ke Baad Bhi**

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

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