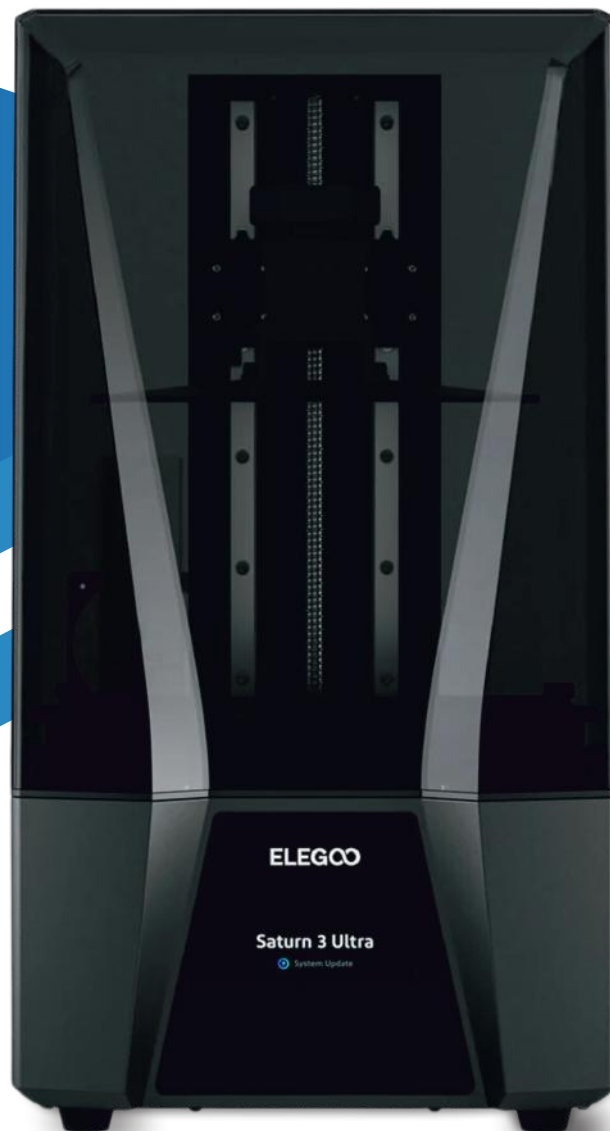


ELEGOO

SATURN 3 Ultra

12K Resin 3D Printer



3D Precision for Perfect Dental Solutions

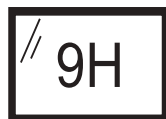
Saturn 3 Ultra 12K Resin 3D Printer



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.



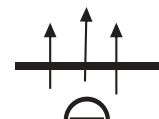
12K IPS Resolution
11520X5120 (19*24μm)



Tempered Glass
9H Hardness



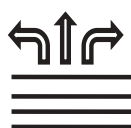
Print Volume
218.88*122.88*250mm³



Patented Fresnel
Collimating Light Source



Laser-engraved
Build Plate



Upgraded
Heat Sink



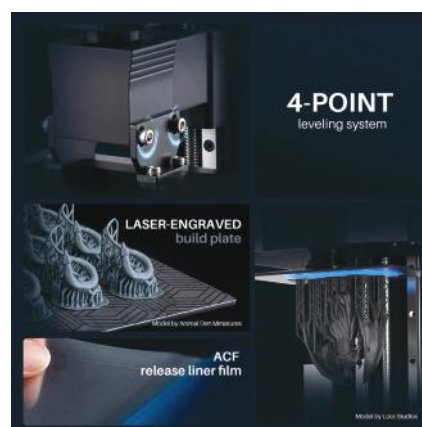
Upgraded
Plug-in Air Purifier



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	Chitubox & 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.)





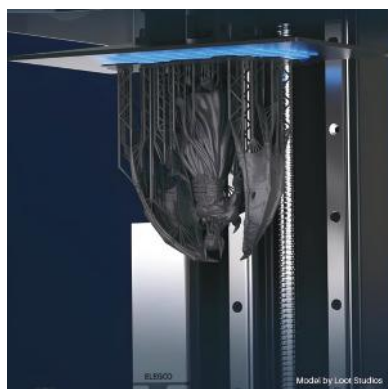
12K Print Quality

Experience the ultimate printing precision and quality with the ELEGOO Saturn 3 Ultra 3D printer. It features a 10-inch 12K mono LCD with a resolution of 11520x5120 and an XY resolution of 19x24 microns, which allows you to print models with exceptional details and sharp edges.

The printer uses a COB + refractive light source, which reduces light dispersion and provides uniform and consistent light distribution, resulting in high-quality prints with a smooth surface and dimensional accuracy.

Powerful Linux System

Powered by a brand new Linux OS with 4G ROM, which guarantees stable file transfer and faster computing, the Saturn 3 Ultra offers a smooth and efficient printing experience. Supporting Wi-Fi transfer of files, with transfer speeds of 6-10Mbps, the printer is compatible with both 2.4G and 5G networks, providing flexibility in transferring files from your computer or mobile device. And it comes with a detachable antenna, located on the right side of the printer.



Release Printing Speed

Experience higher printing success rates with the brand new ACF release film, specially designed for the Saturn 3 Ultra. With less release force, one side is frosted (face down), and the other side is smooth, combined with the upcoming ELEGOO RAPID standard resin allows for printing speeds up to 3 times faster, reaching speeds of up to 150mm/H.

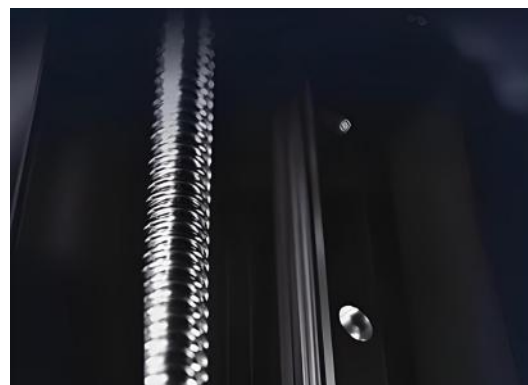
Saturn 3 Ultra comes with an all-metal machine body to enhance the printer's robustness and durability, making it capable of withstanding the rigors of frequent use. The printer's sleek and modern design also adds a touch of elegance to your workspace

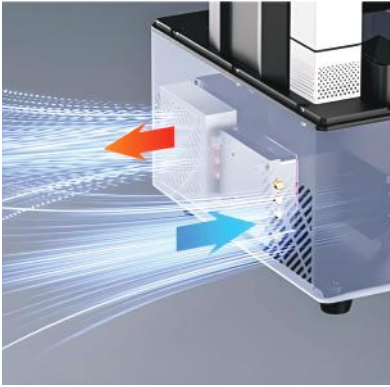
Ultra-Steady Printing Performance

Experience steady and precise printing performance with the ELEGOO Saturn 3 Ultra. The Z-axis features an integrated ball screw and dual linear guide rail, ensuring ultra-steady and accurate movement, even at high printing speeds of up to 150mm/H, and reducing layer texture on your final prints.

The 4-point leveling system is designed with four clockwise-tightening screws for easy alignment and optimal performance. After leveling once, there is no need for the hassle of repeated leveling.

The laser-engraved build plate provides excellent adhesion for tightly holding models during printing and easily removes the model after printing is done.





Excellent Printing Experience

The printer adopts double heat-conducting copper tubes and a larger cooling fan for effective heat dissipation, ensuring that your printer performs at its best and extends its service life.

The plug-in air purifier with an activated carbon filter removes resin odor during printing, and the printer has a USB socket reserved for dual USB air purifiers. Or, you can choose the ELEGOO Mars MATE air purifier with 95% VOC purification efficiency for a healthier printing environment.

4-inch HD Touch Screen

The 4-inch HD IPS touch screen with an 800*480px resolution and a new UI interface design is easy to operate and also supports multilingualism for greater convenience.



Support Wi-Fi Transfer

You can transfer files without plugging in the USB, the transfer speed is 6-10M/S*, compatible with 2.4G and 5G networks.



Large Print Volume

218.88 (L) X 122.88 (W) X 260MM (H)
Satisfy your creativity





WHERE **TRUST** COMES **FIRST**



**Warranty Ke Saath Bhi
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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