



ELEGOO Jupiter 2 3D Printer



Model: 50.101.081300

Manufacturer: ELEGOO

EAN: 6932704919972

Product Code: 885395

R24,076

ELEGOO Jupiter 2 3D Printer

The ELEGOO Jupiter 2 is a 3D printer that uses MSLA technology, designed for both professionals and ambitious hobbyists who demand maximum precision and a large build volume. The device combines a build volume of $302.4 \times 161.98 \times 300$ mm with ultra-detailed 16K printing via a 14-inch LCD screen with a resolution of 15120×6230 pixels. A multi-point automatic leveling system, intelligent resin management, quick film replacement, and a built-in 1280×720 camera make the Jupiter 2 ideal for large-scale models, mass production, and advanced prototyping. Despite its immense capabilities, the device maintains a compact design for its class, measuring $465 \times 508.1 \times 648.1$ mm, making it easier to organize a professional workspace.

Ultra-detailed 16K printing for the most demanding projects

The 14-inch 16K LCD screen with a resolution of $15,120 \times 6,230$ pixels allows for exceptionally high model detail and smooth print surfaces. An XY resolution of $20 \times 26 \mu\text{m}$ enables the reproduction of fine textures, sharp edges, and small structural elements, which is crucial when creating collectible

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figurines, jewelry, concept models, or precise technical prototypes. Thanks to Z-axis accuracy of 0.02 mm, finished prints maintain high fidelity to the design and a professional appearance even with highly complex models.

Advanced lighting system for consistent results

The printer uses a COB light source in conjunction with a Fresnel collimating lens, ensuring even light distribution across the entire build area. This solution results in more uniform resin curing and helps maintain high print quality regardless of whether you're printing a single model or filling the entire build platform with multiple parts simultaneously.

Build space for large models and batch production

The 302.4 × 161.98 × 300 mm build volume allows you to create large models without having to split them into smaller parts and glue them together later. This not only saves time but also results in greater durability of the finished structures and a better-looking model. Such a large space also works great for batch printing of multiple parts simultaneously, which increases productivity in design studios, workshops, prototyping labs, and companies involved in the production of figurines and functional models.

Automatic leveling and user-friendly operation

The multi-point auto-leveling system automatically calibrates the build plate before printing begins, significantly reducing the risk of errors and failed prints. This allows you to start working faster and maintain high consistency in results even during intensive use of the device. At the same time, the printer allows for manual leveling adjustment, giving more advanced users additional control over settings and the printing process.

Smart resin management and less downtime

The Smart Resin Management system automatically refills resin and recovers excess resin, so you don't have to constantly monitor material levels during long print runs. This solution helps reduce resin waste and allows you to focus on designing and preparing new models.

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A design built for heavy-duty use

The Jupiter 2's modular design is engineered for easier maintenance and quick replacement of consumable parts. You can efficiently replace the LCD screen without risking damage to the structure, and the process of replacing the separation film is up to 10 times faster than with traditional solutions. This minimizes downtime and allows you to get back to work faster, which is crucial for professional use of the printer and regular model production.

Stable operation and convenient print management

The printer runs on the Linux EL3D-4.0 system and works with the ELEGOO SatelLite Slicer software. USB and Wi-Fi connectivity allow you to conveniently transfer files and manage projects in a way that suits your own workspace. A built-in 1280 × 720 camera allows you to monitor print progress without having to constantly check the device, which is particularly useful during projects lasting several hours. Operation is also facilitated by a 4-inch capacitive touchscreen providing quick access to the printer's most important functions.

Performance tailored for professional applications

The ELEGOO Jupiter 2 offers print speeds ranging from 1 to 3 seconds per layer at a layer height of 0.05 mm, allowing you to efficiently produce both individual prototypes and larger series of models. Support for layer thicknesses ranging from 0.01 to 0.2 mm provides great flexibility—you can choose maximum detail or reduce print time depending on the nature of the project. The printer is powered by 100–240 V 50/60 Hz 24 V 12.5 A, allowing it to operate in various work environments and professional studios.

Included:

- ELEGOO Jupiter 2 3D Printer
- Build plate
- Resin bottle
- Bottle cap module
- Automatic resin feed cassette
- Resin tank

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- USB flash drive
- Face mask
- Drip tray
- Funnel
- Spare screws
- Gloves
- Scraper
- Box for automatic resin feeding and recycling
- Power cord
- Tools
- User manual

Manufacturer	ELEGOO
Model	Jupiter 2
Printer dimensions	465.00 × 508.10 × 648.10 mm (L × W × H)
Build volume	302.40 × 161.98 × 300.00 mm (L × W × H)
Technology	MSLA
Display	14-inch 16K LCD screen
Print speed	1–3 s/layer (0.05 mm)
XY resolution	20 × 26 μm (15120 × 6230)
Z-axis accuracy	0.02 mm
Light source	COB + Fresnel collimating lens
Power requirements	100–240 V 50/60 Hz 24 V 12.5 A
Layer thickness	0.01–0.2 mm
Operating system	Linux EL3D-4.0
Recommended slicer	ELEGOO SatelLite Slicer
Display	4-inch capacitive touchscreen
Connectivity	USB, Wi-Fi
Camera	Built-in 1280 × 720 camera

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GPSR Link: https://psr-assets.innpro.pl/creative_technologies/sg_creative_technologies_3d_print.pdf,

Gross weight: 36000, Box length: 72,00, Box width: 58,00, Box height: 51,00, Net weight: 33500,

Information about data generation: <https://dataact.innpro.pl/elegoo/6932704919972>

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