SLA SERIES · INDUSTRIAL 3D PRINTING

JP-SLA-800

Industrial-Grade SLA Stereolithography 3D Printer

355 nm Solid-State Laser · 800 × 800 × 500 mm Build Volume

An **800 × 800 × 500 mm** build volume capable of producing large parts in a single build. A **355 nm** solid-state third-harmonic laser paired with intelligent zoned scanning balances surface quality against throughput. A marble base and welded steel-frame body hold accuracy stable over long runs, while web remote control, automatic HD recording and automatic resin refilling enable a fully unattended workflow.

800 × 800 × 500	355 nm	6000 – 15000	0.1 – 0.6
Build Volume (mm)	Solid-state Third-harmonic	Scanning Speed (mm/s)	Adjustable Spot Size (mm)

01 **800×800×500 Build Volume**
Extra-large Format

02 **Intelligent Zoned Scanning**
Differentiated Scan Strategy

03 **Marble Base Platform**
High Precision & Stability

04 **Vacuum Scraper**
Negative-pressure Adsorption



JIUPAI ADDITIVE
INDUSTRIAL SLA / DLP 3D PRINTERS | 355 NM SOLID-STATE LASER

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Key Advantages CORE CAPABILITIES

01
Marble Base Platform
MARBLE BASE PLATFORM
A marble base paired with a welded steel-frame body absorbs vibration and resists thermal drift, holding accuracy stable through long continuous runs.

02
Variable Spot Scanning
VARIABLE SPOT SCANNING
A small spot of 0.1–0.12 mm refines contour detail, while a large spot of 0.4–0.6 mm speeds up infill — precision and throughput combined.

03
Intelligent Zoned Scanning
INTELLIGENT ZONED SCANNING
The system automatically identifies surface areas and thin-wall areas and applies a different scanning strategy to each, balancing surface quality and build efficiency.

04
Vacuum Adsorption Scraper
VACUUM ADSORPTION SCRAPER
Vacuum coating lays resin evenly and carries away bubbles, producing dense interlayer bonding and a smooth, fine surface finish.

05
Automatic Laser Level Control
AUTOMATIC LASER LEVEL CONTROL
A laser level sensor monitors the resin surface in real time, refilling and adjusting automatically — no manual resin top-up during long continuous prints.

06
Fully Unattended Workflow
FULLY UNATTENDED WORKFLOW
One-key start, then fully automatic operation — automatic level compensation and anomaly alarms suit overnight and weekend production. From power-on to finished part, no manual attendance is required.

Smart Connectivity · Unattended Production

Web Remote Control	Remote File Transfer	Built-in HD Camera	Anomaly Auto Alarm
NETWORK ACCESS	UPLOAD & START	AUTO RECORDING	REAL-TIME MONITOR

File upload, start, pause, resume, progress monitoring and resin refilling are all completed online — the **only step that still needs hands is removing the part.**

Technical Specifications JP-SLA-800

Model	**JP-SLA-800**
3D Printing Technology	**Stereo Lithography Apparatus (SLA)**
Build Volume	**800 × 800 × 500 mm**
Overall Dimensions	**1192 × 1321 × 1995 mm (L×W×H)**
Laser	**Solid-state third-harmonic Nd:YVO_4 · 355 nm**
Galvanometer	**Industrial-grade high-precision digital**
Scanning Mode	**Galvanometer scanning**
Scanning Speed	**Typical 6000 / max. 15000 mm/s**
Spot Size	**Small 0.1–0.12 / large 0.4–0.6 mm**
Layer Thickness	**0.05 – 0.15 mm**
Scraper	**Vacuum adsorption scraper**
Intelligent Zoned Scanning	**Surface / thin-wall differentiated**

Liquid-Level Detection	**Laser sensor, auto resin refilling**
Build Speed	**Up to 500 g/h**
Accuracy	**Part size <100 mm: ±0.1 mm**
	Part size ≥100 mm: ±0.1%×L
Remote Control	**Remote upload / start / pause / resume**
Built-in Camera	**HD recording, anomaly alarm (optional)**
Operating System	**Windows 7**
Network Type & Protocol	**Ethernet, TCP/IP**
Data Interface	**SLC**
Material	**Photosensitive resin**
Power Supply	**220 V, 50 Hz**
Rated Input Power	**500 W**
Machine Weight	**approx. 700 kg (approx. 1.25 t incl. resin)**

Applications RECOMMENDED FIELDS



Cultural & Creative
Figurines & Sculptures



Architectural Design
Architecture Models



Automotive
Body Panels & Covers

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