



LuxCreo Lux 3Li+ New Generation of Large-Area Photo-Curing 3D Printer

Lux 3Li+

LuxCreo Lux 3Li+ is a production-grade DLP 3D printer developed by a top-notch R&D team composed of members from Tsinghua, Harvard, Cambridge, Georgia Tech. and North Carolina State Universities. Lux 3Li+ is ideal for rapid prototype printing and mass production of large-sized parts.

Equipped with LEAP™ high-speed separation technology, LuxCreo has developed elastic, tough, high-precision, high-temperature, and transparent resin materials for various engineering, R&D and medical industries and applications.

Lux 3Li+ is also equipped with LuxCreo's software ecosystem to implement lightweight design, high-speed slicing, printer interconnection and smart factory management.



SYSTEM SPECIFICATIONS

Build Volume (XYZ)	400 × 259 × 380 mm (15.7 × 10.2 × 15 in)
Resolution	2560 × 1600 ppi
Wavelength	405 nm
Printing Speed	Horizontal printing of a plate full of models with EM'23 > 40 mm/h
3D Printer Crated(WxDxH)	1070 × 1120 × 2080 mm (42 × 44 × 82 in)
3D Printer Uncrated(WxDxH)	850 × 780 × 1870 mm (33 × 31 × 74 in)
3D Printer Door Open(WxDxH)	850 × 780 × 2420 mm (33 × 31 × 95 in)
3D Printer Crated Weight	500 kg (1102 lbs)
3D Printer Uncrated Weight	400 kg (882 lbs)
Certifications	CE
Warranty	12 months manufacturer's warranty included Extended warranty options available

SUGGESTED OPERATING ENVIRONMENT

Temperature	22-26 °C (72-79 °F)
Humidity (RH)	≤40%
Power	100-240 VAC, 50/60 Hz, 1300/2300 W

MEMBRANE

Compatible Membrane	LEAP
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MATERIALS

Compatible Materials	EM'23
Material Packaging	Material dependent

SOFTWARE AND NETWORK

Software	LuxFlow
Connectivity	USB / Ethernet / WiFi

MINIMUM CONFIGURATION

Operating System	Windows 10 64-bit operating system
CPU	Core i7 CPU@2.40GHz
Memory	16GB
Graphics Card	NVIDIA GeForce GTX 1650Discrete graphics card
HD	HDD 500G

Case Study

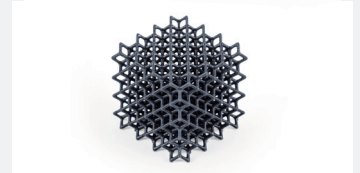
Lux 3Li+ offers end-to-end application solutions in areas such as consumer goods, rehabilitation solutions, industrial applications and automotives.



Elastic Material

EM*23

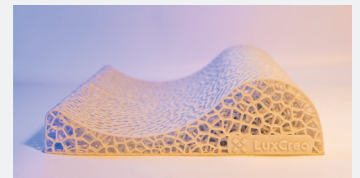
EM*23 is LuxCreo's elastic material with excellent elasticity, tear resistance and flex durability. It is ideal for functional parts requiring outstanding fatigue resistance and can be used in sports midsoles, sports protective gears, buffer materials and seals.



Case Study

3D Printed Cervical Pillow

3D printed cervical pillow is customized product providing various levels of rigidity and height based on users' neck features. It conforms to the shape of users' head and upper body and gradually improves the cervical curve. Its breathability and fitness is much superior to conventional pillow products.



3D Printed Full/Half Insole

Deigned individually, 3D printed insoles can be customized with various lattice density and rigidity. It is designed to be used in different applications such as daily wear, sports fitness and orthodontic treatment.



3D Printed Bike Saddle

3D printed bike saddle features customized lattice design and multiple functional zones without the need of using molds. The lightweight, elastic and breathable saddle product also has excellent wear resistance and water permeability.



More Applications

As a high rebound PU material with excellent tear resistance and low-temperature resistance, EM*23 can be used in sports protective gears, buffer materials, seals and many other consumer goods applications.



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