STEREOLITHOGRAPHY 3D PRINTER
SLA800EX-DLC

ProtoMat
BEYOND DIMENSIONS

KING OF PRICE

www.3dprotomat.com

MINIATURIZATION

The appearance of the equipment is more compact, the floor area is reduced and the transportation cost is reduced. It has comprehensively iterated in optics, electricity, control software and appearance, and the advantages of small batch manufacturing are more prominent. Integrated structure, high stability. The parts are integrated and optimized to improve stability, durability and service life.

INTELLECTUALIZATION

The world's first Linux control system adopts DLC variable laser power control scheme, which has breakthrough productivity. The intelligent variable spot variable power high-speed scanning system improves the printing speed by 20% ~ 100%. The molded parts have extreme details and smooth surface quality.

TRUE TO CAD ACCURACY AND SURFACE FINISH

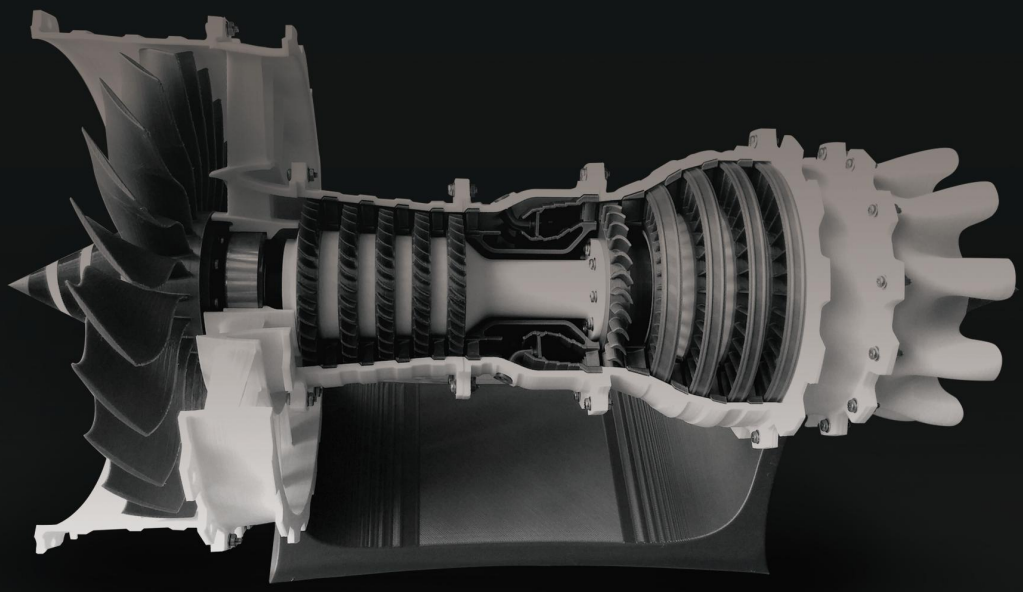
Equipped with fast and intuitive printer interface software, and a galvanometer optical system by ScanLab Germany, the SLA800 displays top scanning speeds and enhances production efficiency significantly. Surface roughness as low as 0.05 μm makes post-processing simple and efficient.

WIDE CHOICE OF MATERIALS

A selection of over 10 different custom-designed printing materials with unique characteristics for functional prototypes and low-volume manufacturing.

MADE TO MEASURE CUSTOMIZATION

We offer a considerable selection of customizations free of charge. Available upgrades include autofocus, automatic material refilling, environment sensors, as well as remote diagnostics and control, ensuring you are industry 4.0 ready.



SLA800EX-DLC TECHNICAL DATA SHEET

Model	SLA800EX-DLC
Build Size (xyz)1	800 x 800 x 550 mm (31.50 x 31.50 x 21.65 in)
Printing Speed	75 - 180 g/h (Single Scanner)
Scanning Speed	15.2 m/s (Maximum)
Accuracy	Part Size < 100 mm (3.9 in): ±0.1 mm (±0.004 in)
Layer Thickness	0.1 mm (0.004 in)
Laser Type	Maximum power 5W/Diode-pumped solid-state laser Nd:YVO_4
Optical System	SCANLAB Galvanometer Scanner Beam Size：the diameter of fixed spot：0.08mm-0.15m the diameter of variable spot：Samll spot：0.08mm-0.15m；Large spot：0.45mm
Operating Software	Sirius Intelligent Printing Control Software Linux / Windows (Optional)
CAD Interface	STL,CTL,OBJ,PLY,ZPR,ZBD,AMF,WRL,3DS, FBX,MJPDDD,3DPRINT,BFF,IGES,IGS,STEP and STP
Machine Size W x D x H	1290 x 1800 x 2350 mm (50.79 x 70.87 x 92.52 in)
Ambient Temperature	22 - 25°C (71.6 - 77°F)
Relative Humidity	Less than 40%
Power Requirements	200 - 240 VAC 50 / 60 Hz 16A (Available according to local voltage standard)

Accuracy may vary depending on build parameters, part geometry and size, part orientation and post-processing methods.

By choosing a ProtoFab SLA machine, you also gain access to comprehensive training for 3D printing, post-processing and advanced industrial design assistance. We also provide you with free lifetime technical support to help your business optimize production and maximize profitability.

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