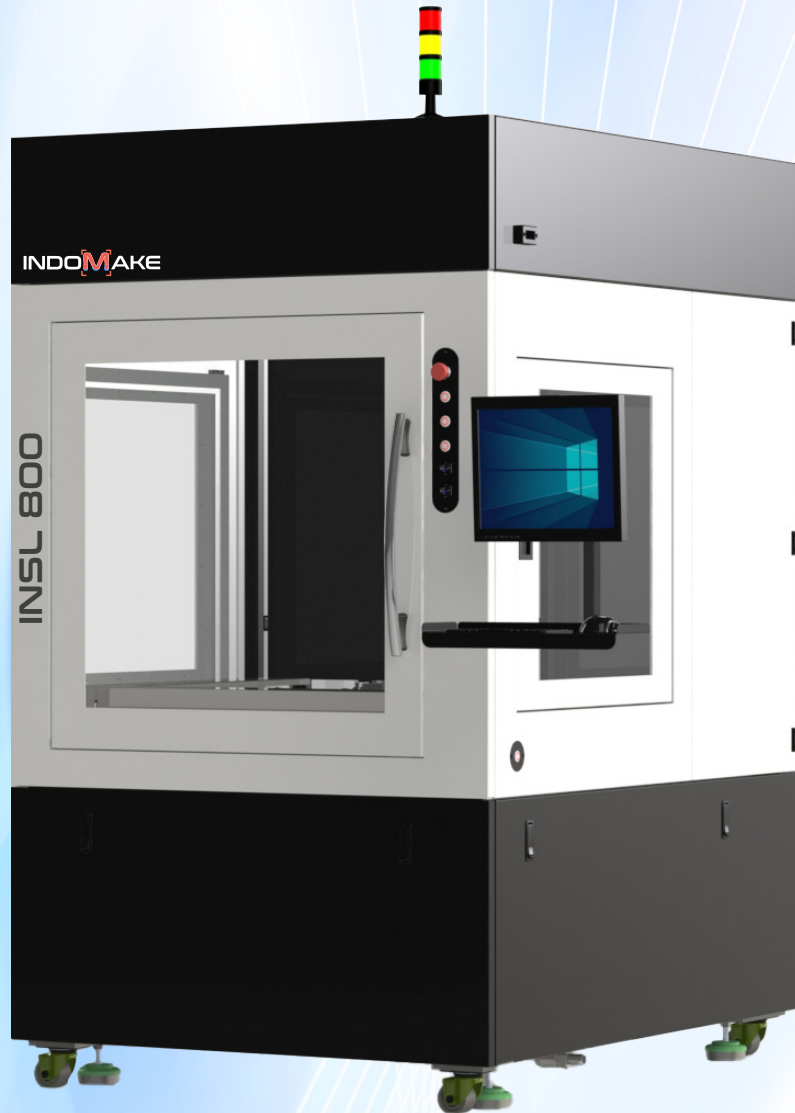




INDO[**M**]AKE INSL 800



**PRECISION ENGINEERING, STUNNING RESULTS:
THE MAGIC OF SLA 3D PRINTING.**



**ISO 9001 : 2015
MANUFACTURING
FACILITY**



**DSIR-GOVERNMENT
OF INDIA CERTIFIED
IN-HOUSE R&D UNIT**



**MSME
SUSTAINABLE
(ZED)**

INDOMAKE INSL 800

Salient Features



Top Quality Components

The rigid steel frame houses a granite reinforced printing platform with aerospace-grade aluminium Z-axis that helps minimize vibrations and maximize the precision of your work with the best quality output.



Advanced Laser Quality

Accurate beam quality, better optics, more refined scanning protocols result in precise printing. Real-time control of the laser beam makes optimizing ongoing print handy



Large Build Volume

INDOMAKE INSL 800 can effortlessly print numerous variants of design on its larger printing bed in a single printing session.



True-to-CAD Accuracy and Surface Finish

INDOMAKE INSL 800 utilizes Galvanometer optical system and provides a super-smooth surface with roughness as low as 0.05 μm



Wide Material Compatibility

INDOMAKE INSL 800 is compatible with a wide selection of different compatible materials, prototyping for customized solution and low-volume manufacturing becomes all the more feasible.



Client-based Customization

INDOMAKE INSL 800 ensures you are Industry 4.0 ready with upgrades ranging from autofocus, automatic material refill, environment sensors, as well as remote diagnostics and control of your print farm.



Flexibility at Beck & Call

INDOMAKE INSL 800 readily scales up to work in rapid prototyping end-use products with functional 3D printed designs.

Industries We Cater



Automobile



R&D Labs of Manufacturing Unit



Aerospace & Defence



Art & Craft



Medical & Healthcare



Utilities



Robotics

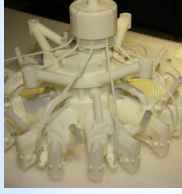
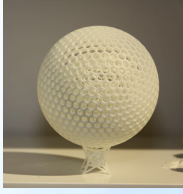
Material Compatibility



Clara A : Clear

Applications

- Master Patterns
- Concepts and prototypes
- Fluid flow analysis
- Car headlights



Formula L1 : ABS-Like

Applications

- Functional Prototypes
- Concept models
- Low-volume production parts



Magna L90 : Heat Resistant

Applications

- Automobile industry
- High temperature model making
- Wind tunnel test
- Electronics housing
- Dental orthodontics
- Lighting Production



Robusta G : Tough and Durable

Applications

- Functional prototypes that need to be tough
- Snap-fit models
- Jigs and fixtures



Robusta LR : Tough and Durable

Applications

- Functional hand model with high toughness requirements
- Snap-on model
- Fixture

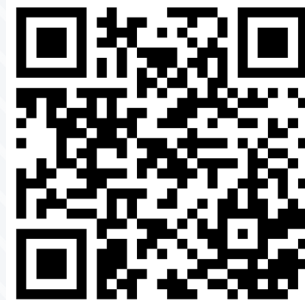
Specifications

Printing Bed Size	800 x 800 x 500			
Printing Speed	75 - 180 g/h (Signal Scanner)			
Scanning Speed	Recommended	6.0 m/s	Maximum	10.0 m/s
Accuracy	Part Size < 100 mm (3.9 in)	± 0.1 mm (0.004 in)	Part Size > 100 mm (3.9 in) ±	± 0.1 % x L
Layer Thickness	0.1 mm (0.004 in)			
Laser Type	Diode - Pumped solid state laser Nd: YVO ₄			
Optical System	Galvanometer Optical Scanner			
Beam Size (Fixed Spot)	0.08 mm - 0.15 mm			
Beam Size (Variable Spot)	Small Spot	0.08 mm	Large Spot	0.45 mm
Operating Software	STPL intelligent Printing Control Software (windows)			
CAD Interface	STL, CTL, OBJ, PLY, ZPR, ZBD, AMF, WRL, 3DS, FBX, MJPDDD, 3DPRINT, BFF, IGES, IGS, STEP and STP			
Ambient Temperature	22° to 25° C (71.6° to 77° F)			
Relative Humidity	Less than 40%			
Power Requirements	200 - 240 VAC 50/60 Hz 16 A (Available according to local voltage standard)			

OUR CLIENT BASE



GET A QUOTE



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