

# INDOMAKE INSL 1500 D



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

**MADE IN INDIA**

# INDOMAKE INSL 1500 D

## Salient Features



### Top Quality Components

The rigid mild steel houses a granite reinforced printing platform with aerospace-grade Stainless Steel 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 1500 D 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 1500 D utilizes Galvanometer optical system and provides a super-smooth surface with roughness as low as 0.05 mm



### Wide Material Compatibility

INDOMAKE INSL 1500 D 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 1500 D 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 1500 D 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

## Clear/Transparent

- Applications**
- Master Patterns
  - Concepts & Prototypes
  - Fluid Flow Analysis
  - Car Headlights



## ABS Like

- Applications**
- Functional Prototypes
  - Concept Models
  - Low-volume Production Parts



## Heat Resistance

- Applications**
- Automobile Industry
  - High Temperature Model Making
  - Light Diffuser parts
  - Upto 120°C, 150°C, 220°C



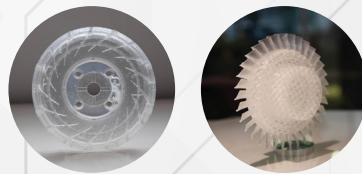
## Tough & Durable

- Applications**
- Functional Prototypes That Need To Be Tough
  - Snap-fit Models
  - Jigs & Fixtures



## Investment Casting

- Applications**
- Functional Hand Model With High Toughness Requirements
  - Snap-on Mode
  - Fixture



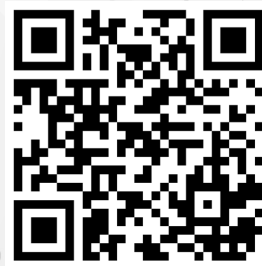
## Specifications

Printing Bed Size	1500 (W) x 800 (D) x 500 (H) mm	Dimensions		2000 (W) x 2300 (D) x 1650 (H) mm
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	0.06mm - 0.160mm	Printing Speed		150-360 g/h (Dual Scanner)
Laser Type	Diode - Pumped solid state laser Nd: YVO <sub>4</sub>			
Beam Size (Fixed Spot)	0.8mm - 0.15 mm			
Optical System	Dual Galvanometer Optical Scanner	Relative Humidity		Less than 40%
Operating Software	STPL intelligent Printing Control Software (windows)			
CAD Interface	STL, OBJ, SLC	Ambient Temperature		22° to 25° C (71.6° to 77° F)
Weight	4.0 Ton (without resin), 5.0 Ton (with resin)			
Power	16Amp/230v			
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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