



INDOMAKE INSL-600



**FORMULATED FOR PRECISION
WITH RAPID PROTOTYPING**



**ISO 9001 : 2015
MANUFACTURING
FACILITY**



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



**MSME
SUSTAINABLE
(ZED)**

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 600 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 600 utilizes Galvanometer optical system developed by ScanLab, Germany, and provides a super-smooth surface with roughness as low as 0.05 μm



Wide Material Compatibility

INDOMAKE INSL 600 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 600 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

The INDOMAKE INSL 600 readily scales up to work in rapid prototyping end-use products with functional 3D printed designs.

INDUSTRIES WE CATER



Automobile



Aerospace & Defence



Healthcare & Medical



Robotics



R&D Labs of Manufacturing Units



Art & Craft



Utilities

WIDE 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

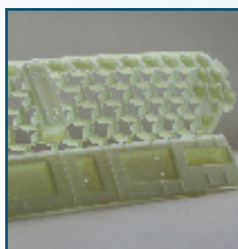
- Automobile industry
- High temperature model making
- Wind tunnel test
- Electronics housing
- Dental orthodontics
- Lighting Production



Robusta G : Tough and Durable

Applications

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

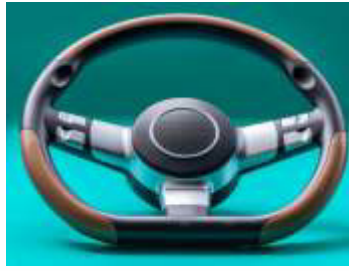


Robusta LR : Tough and Durable

Applications

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

PRINTING SAMPLES



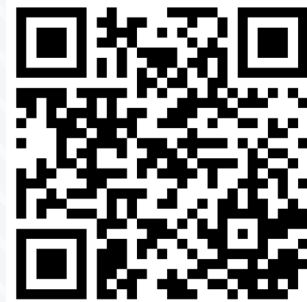
TECHNICAL DATA SHEET

Printing Bed Size	600 x 600 x 400 mm	
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	High Precision Galvanometer 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 Software	
CAD Interface	STL, CTL, OBJ, PLY, ZPR, ZBD, AMF, WRL, 3DS, FBX, MJPDDD, 3DPRINT, BFF, IGES, IGS, STEP, STP	
Machine Size W x D x H	1849 x 1512 x 2194	
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



SAHAJANAND TECHNOLOGIES PRIVATE LIMITED

Sahajanand Estate, Vakhariawadi, Near Dabholi
Char Rasta, Ved Road, Surat - 395 004. GJ, India.

+91 9925113344 www.STPL3D.com

3dinfo@stpl.com [f](#) [t](#) [v](#) /STPL3D