STPL 3D

THINK • CREATE • SURPRISE

Print solution of

TOMORROW, TODAY.

The most advanced large scale **3D printers**

INDOMAKE INSL 600

INDOMAKE INSL 600
FORMULATED FOR PRECISION WITH RAPID PROTOTYPING

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

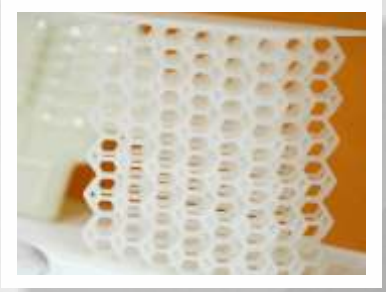
- Functional prototypes that need to be tough
- Snap-fit models
- Jigs and fixtures

Robusta LR : Tough and Durable

Applications

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

OUR SAMPLES






INDOMAKE INSL 600 TECHNICAL DATA SHEET

Printing Bed Size	600 x 600 x 400 mm (23.62 x 23.62 x 15.75 in)			
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: $YV0_4$			
Optical System	SCANLAB 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	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	1630 x 1280 x 1920 mm (64.17 x 50.39 x 75.59 in)			
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 MODELS

INDOMAKE INSL-300

Printing Size

300 x 300 x 300 mm
(11.81 x 11.81 x 11.81 in)

INDOMAKE INSL-800

Printing Size

800 x 800 x 550 mm
(31.50 x 31.50 x 21.65 in)

INDOMAKE INSL-1100

Printing Size

1100 x 600 x 550 mm
(43.31 x 23.62 x 21.65 in)

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