

solido SD300 Pro Desktop 3D Printer



SD300 Pro



The SD300 Pro is a desktop 3D Printer that enables you to create functional 3-dimensional models directly from your CAD data.

The network-compatible SD300 Pro is the perfect classroom solution, requiring

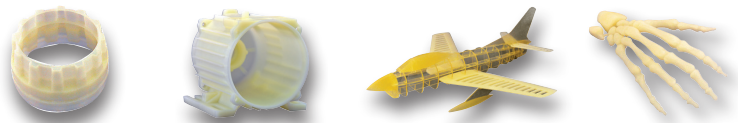
- no post-processing
- no chemical bath
- no curing time

Simply send your 3D data file to the printer, remove the model when finished and remove the support material from the model - no knife, harsh chemicals or special instruments required.

The plastic sheet lamination technology produces durable, flexible and transparent models that can be drilled, machined, finished and do not distort over time.

No other 3D printer offers such a combination of ease-of-use, safe operation and versatile model material. Bring rapid prototyping technology to your engineering program with this simple-to-use and cost-effective solution!

Think it. Design it. Build it.



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Affordability

The SD300 Pro 3D Printer carries both a low initial investment and low cost of ownership. There is no post-build curing process and no need for dedicated personnel. In addition, the cost-effective SD300 Pro consumable materials allow for a low per-model cost.

Ease of Operation

Anyone can operate the SD300 Pro 3D Printer. Building a model is as simple as printing to a typical office printer. Replacing consumable materials is no more complicated than changing cartridges on a standard office printer. The build process requires no intervention and creates no ambient dust or residue so there is no cleanup required.

Improved Design Communication

The SD300 Pro will accelerate your design and development cycle by improving communication throughout the process. Early stage concept modeling and multiple design iterations are no longer cost prohibitive. You can produce more models, more often, at a lower cost, and obtain immediate feedback from colleagues and customers. This allows early identification of design issues, ensures a smooth transition to development, and saves valuable time throughout the entire process.

Confidentiality

With the SD300 Pro, organizations can safeguard confidential, proprietary design information by keeping model creation in-house, in-department and in-office.

Durable Models

Using Plastic Sheet Lamination, the SD300 Pro 3D Printer produces rugged yet flexible models made of SolidVC®, a rigid PVC based plastic. The accuracy, strength and durability of the parts produced on the SD300 Pro make them perfectly suited for all stages of the design cycle, from concept verification through form, fit and functional testing, including snap-fit. Models can be machined, drilled, finished and painted, and they show no distortion over time.

State of the Art Curriculum

As part of intelitek's Rapid Prototyping Program, the SD300 Pro is supported by intelitek's LearnMate e-learning curriculum. This hybrid learning solution includes interactive web-based content providing students an extensive background in 3D solid modeling technology, along with step-by-step lab activities using the SD300 Pro.

Solido SD300 Pro

Materials Included

- Solido SD 300 Pro 3D Printer Order #14-3087
 - Solido SD300 Pro Desktop Rapid Prototyping Machine
 - SDView Application Software
 - User Guide (provided in PDF format)
 - USB Cable
 - Set of 3 AG Pens (Anti Glue Pens: 1mm, 3mm, 6mm)
 - 2 PVC Roll Holders
 - 2 Magnetic Pad
 - 1 Trim Knife
 - 2 Cutting Knives
 - 2 Tweezers
 - 1 Spare 6.3 amp Fuse
 - 1 Level
 - 2 Amber Modeling Kits (Each includes 381 cubic inches of modeling material. See Accessories.)

Specifications

Technology:	3D printing – Plastic Sheet Lamination
Build material:	Engineered Plastic
Material color:	Transparent, Amber, White, Black, Red, Blue
Accuracy:	± 0.25 mm (±0.0098 inches) (XY)
Layer thickness:	0.168 mm (0.006 inches) (Z)
Maximum model size:	160 × 210 × 135 mm (6.3 × 8.3 × 5.3 inches) (XYZ)
Dimensions:	W460 × L770 × H420 mm (18.1 × 30.3 × 16.5 inches)
Weight:	36 Kg (79.4 lb)
Weight with cartridge and roll:	44 Kg (97 lb)
Power consumption:	300 W, 110 / 240 VAC, 50-60 Hz, 5.4 / 2.7 A

SDView® Software

Language:	English
Input File Formats Supported:	STL
Output File Format:	SDM (Proprietary)
Platform Supported:	Windows 2000, XP

Controller PC Minimum Requirements

Processor:	Pentium III, 500 Mhz
RAM:	128MB
HD:	10MB
Interface:	USB

Affiliated with:



All specifications subject to change without notice. All trademarks are property of their respective owners.



SolidVC® Material

- Rigid Polyvinyl chloride compound
- Bonded with liquid adhesive

Properties	Condition	Value
Appearance		Transparent, Amber, White, Black, Red or Blue
Density, g/cm3	25 °C (77 °F)	1.38
Tension strength	ASTM D 638 25 °C	40 - 50
Elongation at break, %	ASTM D 638 25 °C	C30 - 100
Tensile modulus	MPa ASTM D 638, 25 °C	1200 - 2000
Heat deflection temperature	ASTM D 648 @ 264 psi	45 - 55°C (113 - 131 °F)

* Specifications are subject to change

Accessories

- Modeling Kits
 - Amber Order # 011032
 - Black Order # 011035
 - Cream Order # 011036
 - Blue Order # 011037
 - Red Order # 011038

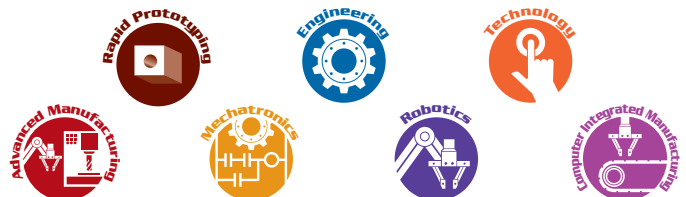
Modeling kits include:

1	Engineered Plastic Material Roll, 381 cubic inches
1	Glue Cartridge
1	Anti-Glue Cartridge
3	AG Anti Glue Pens
■ Cutting Knife	Order #011033
■ Magnetic Pad	Order #011034

Make the Solido SD300 Pro part of a comprehensive STEM program!

The Solido SD300 Pro can be combined with intelitek's dynamic e-learning content as part of a comprehensive engineering program! Customize your program by combining standards-based LearnMate™ E-Learning curriculum for

- Rapid Prototyping
- CAD
- Mechanical Engineering
- Precision Machining
- Advanced Manufacturing
- and more!



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