

## SD300-Pro: The first proven 3D printer at your desktop!

### Rock Bottom Prices!

- » Package prices starting from 7,950.– GBP
- » Strong & durable 3D models
- » Easy to use



# Desktop 3D Printer SD300-Pro

Add a new dimension to your printing! Low investment and cost of ownership



The SD300-Pro 3D Printer is bringing about a revolution to everyone dying to have rapid prototyping in house but, so far, have shied away from high investment and operational costs. It has never been easier and cheaper to produce your own 3D models – at the touch of a button!

Rapid prototyping can now live up to its name with the SD300-Pro 3D Printer. You can create the design and hold it in your hands without leaving your desk.

- optimum cost/performance ratio
- low investment and cost of ownership
- strong and durable 3D models
- no supporting structure required
- eco-friendly – no chemical treatment
- office friendly – handy, quiet and clean
- easy to use

#### Low cost

Apart from easy installation and comfortable handling the 36 kg lightweight distinguishes itself by low investment and cost of ownership.

#### Durable models and fields of application

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 by the SD300-Pro make them perfectly suitable 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.

- verify form, fit and assembly
- concept modeling
- ergonomics
- funktional models, presentations
- rapid manufacturing

#### Operation

Layer by layer the PVC prototype is produced from STL data. In an incredibly short time a 3D model is built. And what is more: This layer technique requires no supporting structures.

#### Easy handling

Everybody can operate the SD300-Pro 3D Printer. The model build process requires no intervention and the replacement of consumable materials can be done by anyone – it's no more complicated than changing cartridges on a 2D printer.

### GENERAL SPECIFICATIONS

<b>Technology:</b>	3D printing plastic sheet lamination
<b>Build material:</b>	PVC
<b>Material colour:</b>	Various colours available, including transparent
<b>Accuracy:</b>	+/- 0,1 mm (XY)
<b>Layer thickness:</b>	0.168 mm (Z)
<b>Maximum model size:</b>	160 x 210 x 135 mm (XYZ)
<b>Dimensions:</b>	465 x 770 x 420 mm
<b>Weight without kit:</b>	36 Kg
<b>Weight with kit:</b>	45 Kg
<b>Power consumption:</b>	620 W, 47/63 Hz 100-120/200-240 V

### SDview® SOFTWARE

<b>Input file formats:</b>	STL
<b>Output file format:</b>	SDM (Proprietary)
<b>Platforms supported:</b>	Win 2000, XP, Vista

### PC MINIMUM REQUIREMENTS

<b>Processor:</b>	Pentium III, 500Mhz
<b>RAM:</b>	128MB
<b>HD:</b>	10MB
<b>Interface:</b>	USB

### SolidVC® MATERIAL

**Rigid PVC Compound**  
Constructed of several rigid PVC sheets  
Bonded with liquid adhesive

PROPERTIES	CONDITION	VALUE
Density, g/cm <sup>3</sup>	25°C	1.38
Tension strength, MPa	ASTM D 638 25 °C	40-50
Elongation at break, %	ASTM D 638 25 °C	30-100
Tensile modulus	MPa ASTM D 638 25 °C	1200-2000
Heat deflection temperature, °C	ASTM D 648@ 264 psi	45-55