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da Vinci 1.0 Pro 3in1

Recommended Retail Price: € 899
Target Audience: Makers, Schools, Hobbyists, Home-use and for Professionals.

The da Vinci 1.0 Pro 3in1 is our first 3D printer that lets you scan, print and engrave all in one place! Our most multi-functional printer is suited to hobbyists, designers and small businesses looking to create impressive, personalised prints.

Make everyday objects extraordinary

Our rapid, integrated 3D scanner only takes a few minutes to scan your object to industrial-grade resolution.

The scanner will recreate your objects digitally, which you can either print as it is or even adapt the scanned file in post-production software to add your own special features.

Create professional-grade prints

The 3-in-1 is even easier to use than its older brothers, so achieving professional prints is simpler than ever. The aluminium print bed spreads heat evenly to decrease your chance of warpage. Our printer also features a low maintenance extruder design and improved calibration, both of which improve print quality.

You asked and we listened! The 3in-1 works with non-proprietary filaments, so you can print in any PLA or ABS thermoplastic of your choice.

Personalise your prints – or anything else!

You can switch your extruder to upgrade to an optional laser engraver, which lets you personalise your items. Engrave a design in wood, leather, cardboard and many more materials.

SPECIFICATIONS

Scanner	Description
Technology	Slit Laser Triangulation
Scan Engine	2M Pixels Camera& Dual Laser Diode Module
Scan Size (ØxH)	1.2" x 1.2 "(Min.) ~ 5.9 " x 5.9 " (Max.) /3 x 3 (Min.) ~ 15 x 15 cm (Max.)
Scan Resolution	0.25mm (250 microns)
Turntable Payload	6.6lbs / 3kg (Max.)
Scan Software	XYZscan

Printing Spec.	
Technology	FFF (Fused Filament Fabrication)
Maximum Build Volume(WxDxH)	7.8 " x 7.8 " x 7.5 " / 20 x 20 x 19 cm
Resolution	0.1mm (100 microns) ~ 0.4mm (400 microns)
Print Head	Single Nozzle
Printer Bed	Heated with aluminum
Nozzle Diameter	0.4mm
Filament Diameter	1.75mm
Print Material	ABS / PLA

Dimension	
Dimension(WxDxH)	18.4 " x 22 " x 20 " / 46.8 x 55.8 x 51 cm
Weight	60.5 lbs / 27.5kg

Display	
Panel Type	2.6" FSTN LCM
Language	Multi language
Connectivity	USB 2.0 / WiFi

Software	
Scan/ File Types	XYZScan/ .stl. .das Format
Printing /File Types	XYZware/ .stl, XYZ Format (.3w), Windows (.3mf)
Operating System	Windows 7 and above / Mac OS X 10.8 and above

Hardware	
Hardware Requirements	32 / 64-bit compatible PCs with 4GB+ DRAM (for PC)
	64-bit compatible Macs with 4GB+ DRAM (for Mac)

Laser Engraving Spec. (Laser Module is optional)	
Maximum Engraving Area (WxD)	5.9 " x 5.9 " / 15 x 15 cm
Output Power	350mW ±10%
Wavelength	450nm InGaN
File Types	.jpg / .png / .bmp / .gif