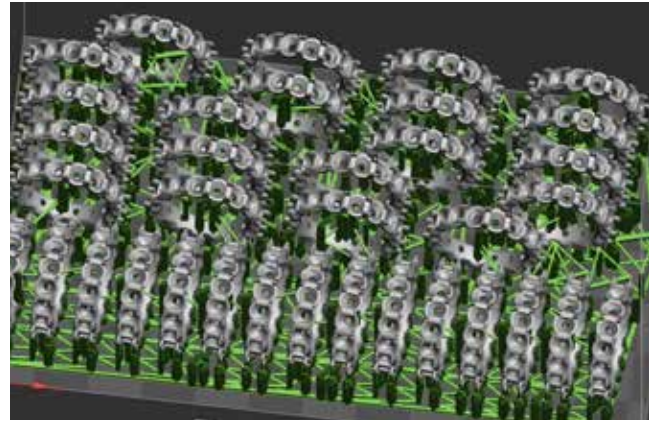# FabPro® 1000 Printer

A new standard in affordability, quality and speed in entry-level industrial 3D printing

Ideal for engineering and jewelry applications, the FabPro 1000 excels at low-volume, small-part prototyping and direct 3D production across a range of materials, producing high-quality parts with lightning speed, remarkably low operating costs and unsurpassed ease of use.

FabPro® 1000

Entry-level industrial 3D printer

PRODUCTIVITY, REDEFINED

Compared to competing systems, the FabPro 1000 features up to three-times-faster high-throughput print speeds for higher-quality parts with precision and smooth surface finish.

START-TO-FINISH SIMPLICITY

Preparing part files for printing and monitoring print jobs is easy with 3D Sprint® software. Plus, replacing print trays and switching materials is a snap, and post-processing is a simple two-step process.

INDUSTRIAL STRENGTH

This entry-level powerhouse packs industrial durability and reliability into a rugged yet compact platform, delivering the professional quality businesses need, day in and day out.

LOWER COSTS, DELIVERED

The FabPro 1000 is engineered for material efficiency and consistent, repeatable runtimes, making 3D prototyping and production more accessible and affordable than ever before.

Materials for FabPro 1000

Materials made for quality. Applications made for you.

From tough engineering plastics to castable materials, the FabPro™ materials are designed for accuracy and quality.

FABPRO PROTO GRY

A fast, general purpose plastic material ideally suited for industrial applications. The FabPro's precision printing in this opaque gray material highlights fine features, and is ready for finishing and printing, perfect for high-quality prototypes and models.

FABPRO TOUGH BLK

A durable plastic material for producing black parts for functional prototyping and production parts. Combined with the versatility, reliability and small footprint of the FabPro, this tough material provides engineers with a solution to create prototype applications quickly.

FABPRO FLEXIBLE BLK

A flexible and exceptionally durable material that allows the production of polypropylene-like parts with amazing elongation at break and impact strength. With FabPro's accuracy, this robust material provides outstanding flexibility for a wider variety of prototyping, functional testing and low volume production applications.

FABPRO ELASTIC BLK

An elastomeric material suited for the prototyping and design of a wide variety of rubber-like parts. Combined with FabPro 1000's productivity and part quality, this opaque black material accelerates the design and iteration of new concepts with rubber-like prototypes for industrial and consumer goods applications.

FABPRO JEWELCAST GRN

A green material ideal for small, fine featured jewelry master patterns for gypsum investment casting applications. This material leaves minimal ash after burnout to produce superior casting quality. Create and produce custom jewelry or other investment castings that capture fine detail and smooth surface finish.

FabPro 1000 Technical Specifications

SYSTEM PROPERTIES

Printer size	43 x 43 x 61.2 cm (16.9 x 16.9 x 24.1 in)
Weight	37.5 kg (82.67 lbs)
Interface	Ethernet connection USB (direct printing)
Software	3D Sprint®

Power input
  Printer
  With adaptor
	24V DC, 3.75A
	100-240V AC, 2A, 50/60 Hz

Package size	62 x 62 x 101 cm (24.5 x 24.5 x 39.75 in)
Package weight	55 kg (121 lbs) (including pallet)

PRINTING SPECIFICATIONS

Build size	125 x 70 x 120 mm (4.92 x 2.76 x 4.72 in)*
Pixel Pitch	65 microns (0.0025 in) (390.8 effective DPI)
Layer Thickness	30-100 microns (0.0012 to 0.004 in) (material dependent)
Wavelength	405 nm

OPERATING ENVIRONMENT

Temperature	18-28 °C (64-82 °F)
Humidity (RH)	30-70 %

ACCESSORIES	LC-3DPrint Box	LC-3D Mixer
Load Capacity (WxDxH)	260 x 260 x 195 mm	N/A
Dimensions (WxLxH)	41 x 44 x 38 cm	410 x 270 x 100 mm
Full light spectrum	300-550 nm	N/A
Weight	22 kg	4 kg
Electrical	110/230 V, 50/60 Hz, 2.6/1.3 A	100-240 V, 50/60 Hz

* Maximum part size is dependant on geometry, among other factors

Note: Not all products and materials are available in all countries - please consult your local sales representative for availability

Accessories

FINISHING KIT (included with the printer)
A finishing kit with tools you need to clean* parts, rinse tanks and lids, part cleaning brush, and utility tools are all included with the printer.

*Does not include isopropyl alcohol or other required cleaning agents.

LC-3DPRINT BOX UV POST-CURING UNIT
The LC-3DPrint Box post-curing unit is available for UV-curing parts and is the recommended UV-curing unit for all FabPro print materials.

LC-3DMIXER FROM 3D SYSTEMS
An optional LC-3DMixer automates the material mixing process.

www.3dsystems.com

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3D SYSTEMS®
Additive Manufacturing Solutions