

Professional Grade for Industry and Education

FABLICATOR

Not your average 3D Printer!

www.fablicator.com



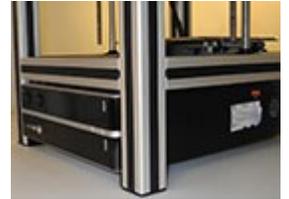
Solid, Accurate, and Ready to Create

The Fablicator is a brand new 3D printer design, unlike any other FDM printer on the market. It is an extremely accurate, solid, and versatile rapid prototype machine!

We have designed the Fablicator to be a professional desktop 3D printer which meets the needs of designers, engineers and inventors alike. Our printers are shipped fully assembled and calibrated. Also, all the necessary interface software is preloaded, so it can start printing right out of the box.

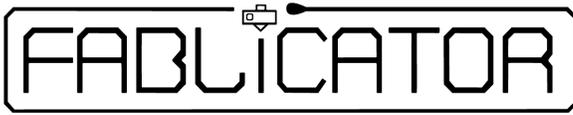
Since the Fablicator includes a complete Windows PC, install your preferred CAD program and it is possible to design, edit, and print your creations all from one place - making it a truly a complete turn-key 3D prototype solution for your office, laboratory, or factory.

Built for the professional world at a price a startup or entrepreneurial tinkerer can afford. Ideal for educational engineering programs. Lower material costs with multiple build materials in one 3D printer!



Designed & Manufactured by K&L Services Group Inc.

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Product Features

- **Fused Filament Fabrication (FFF)** - The Fablicator uses FFF Technology (sometimes also called Fused Deposited Material or Modeling) to make parts which are strong, durable, and dimensionally accurate. No messy resins or powders mean it is an ideal process for office environments.
- **Designed, Manufactured, and Tested in the USA** - Each Fablicator is built and tested by our staff to meet rigorous standards of function and quality before shipping.
- **No Assembly Required, or Software to Install** - The Fablicator arrives to you with a fully integrated Windows operating computer with all of the software pre-installed and settings established to begin printing right away. All you need to start making parts is to plug in a mouse, keyboard, monitor and have a 3D model of what you wish to make.
- **Design System Capable** - Since the Fablicator has a fully functional PC operating on Windows, most standard CAD packages are a simple install on the printer, allowing the design, editing and printing of a part to take place all on one machine.
- **Complex Parts** – Being able to use same material support and layer heights down to 100 microns allows the Fablicator to create intricate designs not possible with most traditional manufacturing methods.
- **Rigid Extruded Aluminum Frame** - You can literally stand on it, and it will not warp with changing humidity. The Fablicator is built for reliability, and is at home on the factory floor as well as in the office.
- **Precise filament deposition** - Carefully engineered mechanics allow the Fablicator to print parts quickly and with excellent surface finish, exceeding that of 3D printers costing much more.
- **A Large 7"x7"x7" Build Area** - The Fablicator's build area is perfectly sized to fit the needs of most users.
- **Reusable Build Surface** - The Fablicator uses a unique chemically treated glass build surface, which allows parts to stick firmly when printing and release with ease once the platform has cooled. Parts are printed directly on the build surface and do not have any "rafts" to be removed.
- **Material Versatility** - The Fablicator was designed for ABS, HIPS, PETG and PLA. PVA, Nylon, and others have also been successfully printed by some users.
- **Static Dissipative Materials** – When using static compliant materials, the Fablicator is ideal for making jigs and prototypes used with delicate electronics.
- **Large Selection of Printable Material Available For Use** - We do not force our users to purchase expensive proprietary filament. The Fablicator uses high quality 1.65-1.85mm filament, which can be purchased from a variety of additional sources.

• Great for Building Tough Functional Prototypes and / or Molds.

Technical Specs

General Hardware:

- Print Area: 7 x 7 x 7in (17.78 x 17.78 x 17.78cm)
- Print Volume: 343in³, (5.6Liter)
- Flow Rate: Up to 1.25in³ (20cm³) per hour
- Overall Dimensions: 18 x 20.5 x 17.5in (45.7 x 52.1 x 44.5cm)
- Weight: 44lbs (20 Kg)
- Power Requirements: 100-240V, 50/60Hz, 3A
- Filament Size: 1.75mm
- Nozzle Diameter: .35mm
- High Quality 3D Printed Parts
- Maximum Travel Speed 250mm/s
- Maximum Print Speed: 80mm/s
- Filament type:s ABS, PLA, HIPS, PVA, Nylon, PETG, and more
- Standard Layer Height: 0.1mm-0.3mm
- Heated Bed: adjustable for different print materials
- Maximum recommended extruder temperature: 300 C
- Maximum temperature for heated build platform: 125 C
- Support material: Automatically generated break away (same material) support
- Linear ball bearings
- 4 Axis, 1/16th Micro Stepping motors with 3400g*cm of Torque
- Precision ground 12 mm shafts

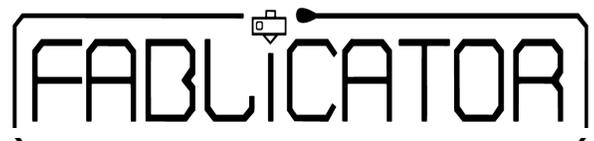
Computer Hardware:

- Processor: 3.8GHz AMD A4-7300 APU
- 500GB HDD
- RAM: 4GB DDR3
- Front 2X USB, Card Reader, DVD-RW, Back 6X USB

Wired and Wireless Network Ready

Software:

- Operating System: Microsoft Windows
- 3D printing software: KISSlicer, Pronterface



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