

# AFINIA 3D

**Out-of-the-Box 3D Printing Experience For Engineers, Educators and Hobbyists**

## Key Features

- Free lifetime tech support
- Ready to use Out-of-the-Box
- Fully assembled
- Auto Leveling Platform Calibration, and Nozzle Height Detection
- High quality, non-proprietary, inexpensive plastic filament
- Heated Platform



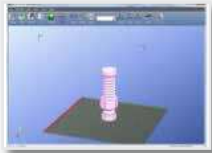
## Get Started in 3 Easy Steps

- Ready to print within minutes!

1. Install included software

2. Load Filament

3. Calibrate Nozzle and Platform



## Specifications

### Contents

- Afinia H480 3D Printer
- Easy-to-Use 3D Printer Software
- 3 Perf Boards for the platform
- Handling tools
- Full Spool of ABS plastic (700g)

### Software

- PC: Win XP, Vista (32- and 64-bit), Windows 7/8/8.1 (32- and 64-bit)
- Mac: 10.6 – 10.8

### Printing

- Build Volume: 140 x 140 x 135mm
- Vertical Resolution: 0.15 – 0.40mm
- Print Material: ABS, PLA
- Filament Diameter: 1.75mm
- Heated Platform

### Electrical

- Power: 100-240VAC, 2.5A, 50-60Hz
- Connection: USB 2.0 (Printer may be disconnected once print begins for standalone use.)

### Operation

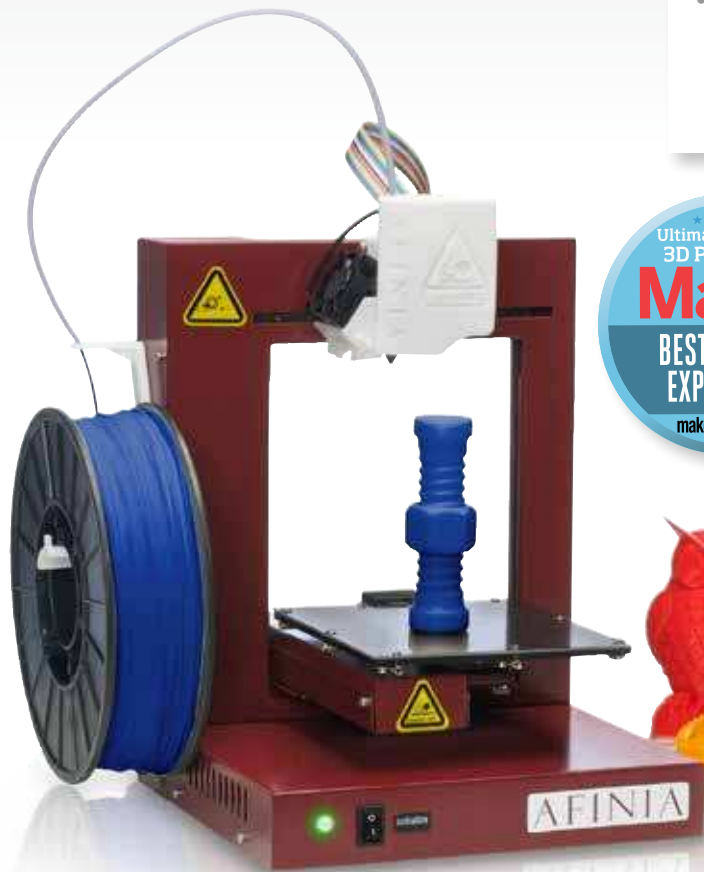
- Easy-to-use single software interface to:
  1. Load one or more .STL files
  2. Scale, Rotate, Move the models to fit the virtual platform
  3. Choose your Layer Thickness, Fill and Support parameters
  4. Print in either Normal, Fast or Fine speed

### Physical

- Dimensions: 245 x 260 x 350mm
- Weight: Under 11 lbs.
- Environmental Temperature: 60°F to 85°F recommended
- Relative Humidity: 20 – 50% recommended

### File Input

- Input Format: STL, UP3, UPP
- Most CAD software supports output to STL such as Autodesk, Solidworks, Sketchup, Tinkercad, Blender, openSCAD
- There is an extensive online community for downloading and sharing 3D model files



"The Afinia H-Series Desktop 3D printer is the most approachable model we've reviewed, and we'd recommend it to anyone serious about getting started with 3D printing."

~Rich Brown, Senior Editor cnet.com

# AFINIA 3D

Plastic Filament for use with the Afinia 3D Printers. Buy online: [store.afinia.com](http://store.afinia.com)

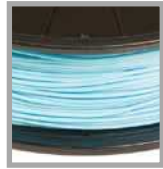
**Premium PLA Filament** Diameter 1.75mm +/- 0.10mm | Weight 700g - approx. 280meters | Extrudes at 200°C-210°C



Gray



Green



Blue



Black



White



Natural

**Premium ABS Filament** Diameter 1.75mm +/- 0.10mm | Weight 700g - approx. 280meters | Extrudes at 260°C-270°C



Natural/White



Blue



Yellow



Black

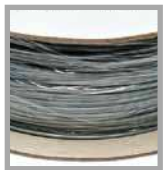


Red



Green

**Value Line ABS Filament** Diameter 1.75mm +/- 0.10mm | Weight 1kg - approx. 400meters | Extrudes at 210°C-250°C



Silver



Yellow



Purple



Orange



Red



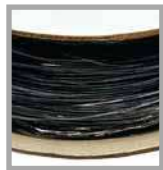
Blue



White



Gold



Black



Pink



Green



Natural

**Specialty ABS Filaments** Diameter 1.75mm +/- 0.10mm | Weight 1kg - approx. 400meters | Extrudes at 210°C-250°C



Color Change  
Grey to White



Color Change  
Blue/Green to Yellow/Green



Glow-in-the-Dark  
Green



Glow-in-the-Dark  
Blue



Transparent

## 3D Printer Accessories



Black Cell  
Perf Board



BuildTak  
Platform Surface



Replacement Nozzle



Borosilicate Glass