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

INDUSTRY LEADING · ONE YEAR WARRANTY

Get Started in 3 Easy Steps

- Ready to print within minutes!

1. Install included software
2. Load Filament
3. Calibrate Nozzle and Platform
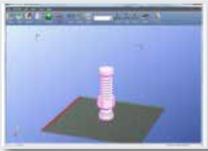
Specifications

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

Ultimate Guide to 3D PRINTING ★★★★★ Make: BEST OVERALL EXPERIENCE makezine.com

★★★★ cnet Review

www.Afinia3D.com | 888.215.3966 | 8150 Mallory Court | Chanhassen, MN 55317 | Afinia™

AFINIA 3D

Plastic Filament for use with the Afinia 3D Printers. Buy online: store.afinia.com

Premium PLA Filament Diameter 1.75mm +/– 0.10mm | Weight 700g - approx. 280meters | Extrudes at 200ºC-210ºC
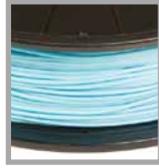
Gray	Green	Blue	Black	White	Natural
			COMING FALL 2014	COMING FALL 2014	COMING FALL 2014

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

Natural/White	Blue	Yellow	Black	Red	Green

Value Line ABS Filament Diameter 1.75mm +/– 0.10mm | Weight 1kg - approx. 400meters | Extrudes at 210ºC-250ºC
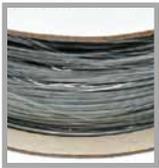
Silver	Yellow	Purple	Orange	Red	Blue
White	Gold	Black	Pink	Green	Natural

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

Color Change Grey to White	Color Change Blue/Green to Yellow/Green	Glow-in-the-Dark Green	Glow-in-the-Dark Blue	Transparent
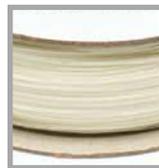
3D Printer Accessories

Black Cell Perf Board	BuildTak Platform Surface	Replacement Nozzle	Borosilicate Glass