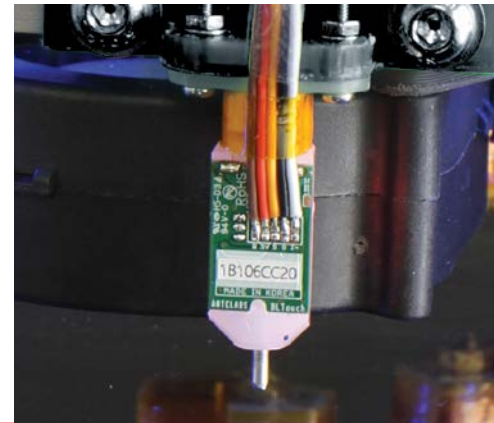


# PROElectronics Rebuild

Give Your 3DP1000 or Workbench Printer the **PRO** Boost

THINK  
PRINT  
SAVE | **BIG**  
The **most trusted** open-market 3D printer



- ▶ Grow Your Investment
- ▶ Increase Quality, Accuracy, and Print Resolution
- ▶ Enable Remote Operation and Monitoring
- ▶ Faster Roadmap to Enable Up to 16x Print Speeds

**3DP**  
3D PLATFORM

# THINK PRINT SAVE | BIG

The **most trusted** open-market 3D printer

## Investments Should Grow...**Right?**

3D Platform's business philosophy is that our customers' 3DP investment should appreciate in value. To accomplish that, we're **Introducing our PROElectronics Rebuild Program.**

**Upgrade your machine to the latest electronics capability at a fraction of the cost of a new machine.**

## For \$7,600 USD\* Upgrade Includes:

### 1 **Refurbished Mechanics**

- Refurbished actuators, lead screws, and nuts.
- Build platform re-validated for squareness, flatness, and bed leveling.
- Glass inspected and replaced if necessary.\*\*

### 2 **Advanced Electronics New "Brainbox"**

- Upgrade 8-bit 16 MHz processor to 32-bit 120MHz main processor.
- Enhanced quality, accuracy, and resolution detail for your 3D prints.
- Touch screen interface for advanced print monitoring and operation.
- Electrical connectors with provisions for future upgrades and quick-swap maintainability.

### 3 **Remote Monitoring & Operation**

- Remote access via Wi-Fi or Ethernet allows for mobile device access.
- Monitor, stop, restart, and get detailed print information and statistics.

### 4 **Advanced Bed Leveling**

- State-of-the-art auto mesh bed leveling up to 441 points.
- Shortens set-up times, increases productivity, quality, and reliability.

### 5 **Enhanced Filament Feed**

- Advanced filament delivery system helps prevent disruptive breaks and tangles.
- Dual filament sensors further enhance system print reliability.

### 6 **Access to 3DP's Market Leading Extruder Options**

- A baseline 3DP rebuild is provided with the proven industry standard volcano extruder.
- Rebuilt printer upgraded with electrical compatibility, allowing you to take advantage of our state-of-the-art, high-volume extruders.

### 7 **Warranty**

- A 90-day warranty is included with your rebuild.

\* United States Dollar

\*\* Cost of replacement glass is not included in the published price. If the glass needs to be replaced, it will be done at the current list price for glass.

**NOTE:** Price listed assumes returned machine has working SurePrint Servo motors on X, Y, and Z axes. Additional charges may apply if SurePrint servo motors are not present, or need to be replaced.

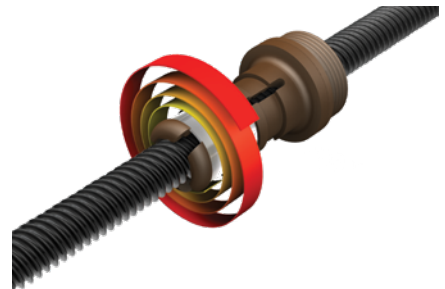


# PROElectronics Rebuild

Give Your 3DP1000 or Workbench Printer the PRO Boost

## 1 Refurbished Mechanics

Your printer's mechanical system will be reconditioned to **ensure factory new performance**. This will include as necessary: refurbished actuators, lead screws, and nuts. The build platform will be re-validated for squareness, flatness, and bed leveling. Glass will be inspected and replaced if necessary.\*





# High Performance **Electronics Upgrade**

## **2** New Brainbox

Upgrade from 8-bit 16 MHz processor to 32-bit 120MHz main processor. Together, optimized firmware and processing power **enhance quality, accuracy, and resolution detail** for your 3D prints. This extra processing power supports a **touch screen** interface for advanced print monitoring and operation. Also, the brainbox features electrical connectors with provisions for future upgrades and quick-swap maintainability.



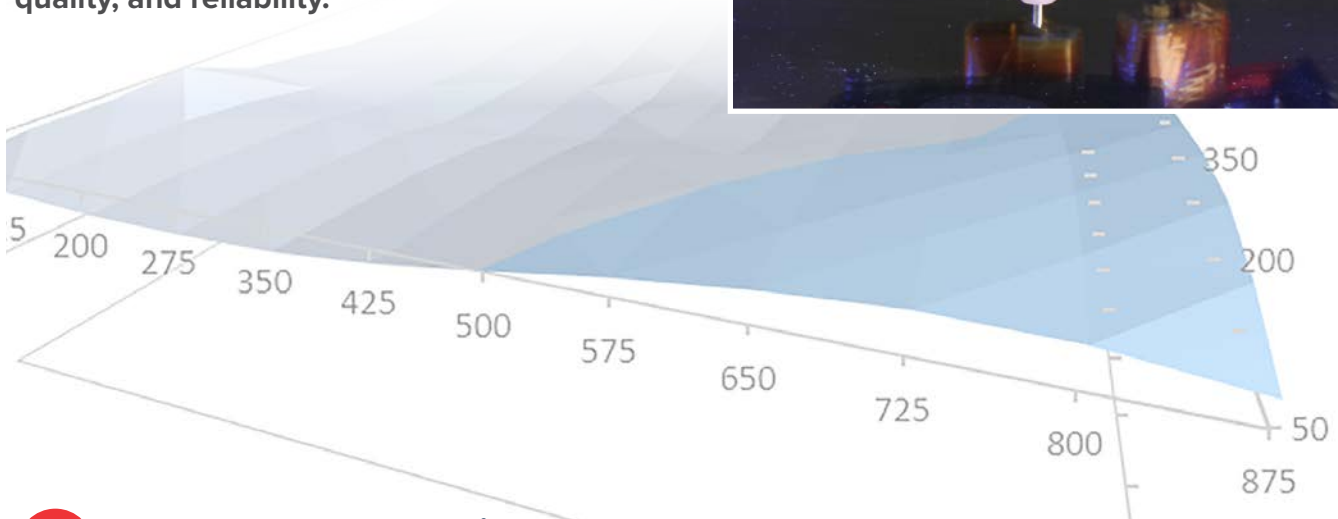
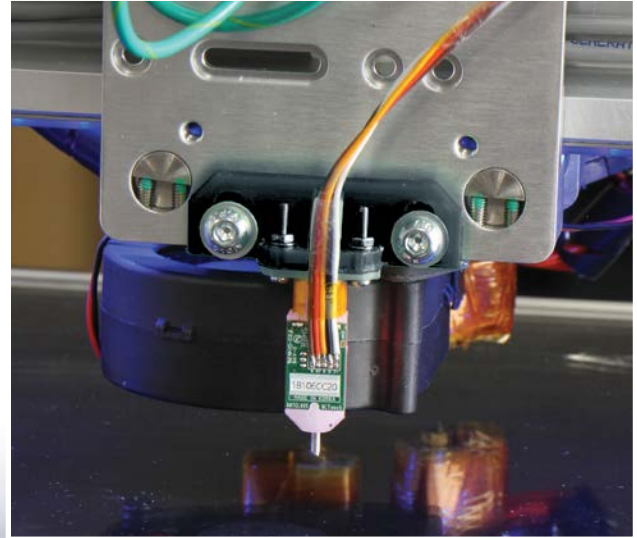
## **3** Remote Monitoring & Operation

Not in the office? No problem. **Remote access** via Wi-Fi or Ethernet allows you to remotely control and monitor all your printing jobs from your mobile device. You can also stop and restart prints, as well as get detailed print information and statistics.



## 4 Advanced Bed Leveling

Touch probe provides state-of-the-art auto mesh bed leveling up to 441 points. The advanced mesh mapping algorithm **shortens set-up times and increases productivity, quality, and reliability.**



## 5 Enhanced Filament Feed

Our advanced filament delivery system helps **prevents disruptive breaks and tangles.** Dual filament sensors further enhance system print reliability.



## 6 Advanced Extruder Options

The standard rebuild is provided with the proven industry standard volcano extruder. Your rebuilt printer will also be upgraded with electrical compatibility to take advantage of our state-of-the-art, high-volume extruders, allowing you to **increase your print speed up to 16x**.

EXTRUDERS						
		Volcano		HFA	HFE300	HFE900
Availability		optional	standard	optional	optional	optional
Filament Size (Nominal, mm) <sup>1</sup>		1.75	2.85	2.85	2.85	6
Hot End Power (watts)		40	40	50	300	900
Material Consumption (kg/hr) <sup>2</sup>		0.08	0.08	0.16	0.32	1.35
Nozzle Size, minimum (mm)		0.2	0.4	0.4	1.0	1.2
Nozzle Size, standard (mm)		0.4	0.6	0.6	1.0	2.4
Nozzle Size, maximum (mm)		1.2	1.2	2.4	2.4	4.8
Additional Power Consumption (A @ 208V) <sup>3</sup>		0.0	0.0	0.0	1.5	4.3
Compatible Nozzle Sizes (mm) <sup>4</sup>	0.2	O	X	X	X	X
	0.3	O	X	X	X	X
	0.4	STD	O	O	X	X
	0.6	O	STD	STD	X	X
	0.8	O	O	O	X	X
	1.0	O	O	O	STD	X
	1.2	O	O	O	O	O
	1.4	X	X	O	O	X
	1.6	X	X	O	O	X
	1.8	X	X	O	O	X
	2.0	X	X	O	O	X
	2.4	X	X	X	O	STD
	3.0	X	X	X	X	X
	3.6	X	X	X	X	O
	4.0	X	X	X	X	X
	4.2	X	X	X	X	X
	4.8	X	X	X	X	O
	5.0	X	X	X	X	X

**LEGEND:** X = Unavailable, STD = Standard, O = Optional

1. Consult factory for filament specifications and requirements for HFE900.
2. Actual material consumption will vary based on settings.
3. Additional power is per extruder. Double amount for two extruders.
4. Not all nozzle sizes are stocked. Consult factory for details.

3D PLATFORM FILAMENT EXTRUDERS ARE THE FASTEST ON THE MARKET. WITH **UP TO 16X SPEED OVER THAT OF COMPETITORS**, YOU CAN PUSH ADDITIVE MANUFACTURING TO NEW HEIGHTS.



**Increase Your Print Speed Up to 16x**  
Spools printed per day (24 hours) / per extruder

Industry Baseline  
VOLCANO

NEW  
HFA

NEW  
HFE300

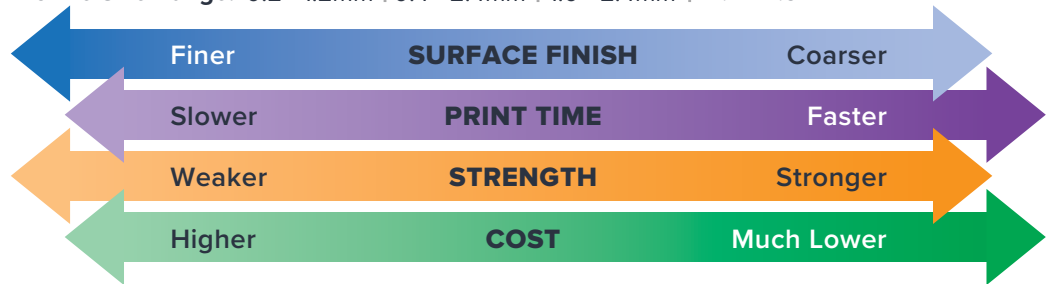
NEW  
HFE900

Use a small diameter nozzle for fine layer resolutions.

Use a large extruder and a large diameter nozzle for fast printing and ultra-strong parts.



	Industry Baseline VOLCANO	NEW HFA	NEW HFE300	NEW HFE900
<b>Volume / Second:</b>	18mm <sup>3</sup> /s	35mm <sup>3</sup> /s	70mm <sup>3</sup> /s	273mm <sup>3</sup> /s
<b>Volume / Hour:</b>	3.9in <sup>3</sup> /hr	7.7in <sup>3</sup> /hr	15.4in <sup>3</sup> /hr	60.0in <sup>3</sup> /hr
<b>Nozzle Size Range:</b>	0.2 - 1.2mm	0.4 - 2.4mm	1.0 - 2.4mm	1.2 - 4.8mm



## 7 Warranty & Logistics

### Warranty

- A 90-day warranty is included with your rebuild.
- Your warranty can be increased to one year with the purchase of an optional extension for \$2,750 USD.



### Logistics



#### Standard Option

- 1 week shipping to factory.
- 2-3 weeks at factory.
- 1 week shipping back to you.

**4-5 weeks / \$7,600 USD\***  
Keep your existing serial number.



#### Express Option\*\*

- On-site delivery of rebuilt 3D printer.
- Swap with your 3D printer.

**1 day / \$8,600 USD\***  
New serial number.

\* Customer is responsible for inbound and return shipping costs.

Cost of replacement glass is not included in the published price. If the glass needs to be replaced, it will be done at the current list price for glass.

\*\* Express Option is subject to availability and scheduling.





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