3X3D MAGIC PEN™

Multi-Filament
3D Pen

Instruction Manual

HB Hamilton Buhl®

FUNCTIONS

Filament Hole 1/2/3

Power Socket

Filament 1/2/3 Control Button

Speed +/-

Temperature +/-

Loading Button

Nozzle

1

Plug the power adapter into a power socket and OLED screen will be powered on.

Press the Loading button to begin heating.

2

When temperature is 50°F below the preset temperature, load filament into the three filament holes, slide filament control buttons to the front position and press loading button to load filaments until they come out of the nozzle. Press loading button again to stop.

3

To remove the filament(s), slide the filament
control button to the right position. The status of
each filament will be displayed on the screen.

4

The filament won't be removed or extruded when
the control button is in the middle.

5

To select a particular filament, the controller
button must be in the left position (filament can
be selected one, two or all three slmultaneously).
The illustration above shows filament 1 is
selected/feeding, 2 is paused, and 3 ls extracting.

 Feeding Symbol

 Unloading Symbol

Press the Temperature + and Temperature - button to adjust the temperature.

Press the Speed > and Speed < button to adjust the speed.

After 2 minutes of no operation, the pen will enter sleep mode, and the temperature will go down. Then, the pen will need to heat up again before next use.

1. Heating time may be affected by environmental temperature.
2. The filament end should be cut correctly before loading.
3. The filament must be removed when the pen is not in use.

1. Keep all three filament holes loaded with filament during feeding.

2. Do not feed different types of filament at the same time.

3. Suitable for chlldren 8-years old and older. Younger children should always have adult supervision while using this product.

4. The pen nozzle and black nozzle holder get very hot; do not touch with bare hands.

5. Do not put any other material Into the filament holes.

6. Do not use any other power supply.

7. We highly recommend you only use filament provided by the manufacturer. Damage may occur to the unit if using improper filaments, which will void the manufacturer's warranty.

8. Do not get the pen wet.

FILAMENT CUT

CORRECT   **WRONG**   **WRONG**

CONTENTS

Contents:
(1) 3D Pen
(1) Pack of Filaments
(1) AC/DC Adapter
(1) Instruction Manual

PEN SPECIFICATIONS

- Voltage: 12V/2A
- Power Supply: AC/DC Adapter
- Screen: 0.91" OLED Screen
- Pen Material: Plastic
- Nozzle: 0.9mm Diameter, Ceramic
- Filamant Types: 1.75mm ABS/PLA Filamant
  (Note: PLA filaments not supplied by manufacturer)
- Filament Flow Speed: Adjustable
- Temperature: 338°F - 448°F Adjustable
- Input Voltage: 100-240V, 50-60Hz
- Pen Size: 7.2" x 1.8" x 1.5"
- Pen Net Weight: 0.28 Lbs.
- Package Weight: 1.1 Lbs.

If the screen does not power on:

Check that the power adapter is plugged in correctly. If the unit still does not power on, please contact customer service.

If the filament does not come out of the nozzle:

1. Retract the filament from the unit.

2. Make sure the temperature is at the optimal level (or slightly higher).

3. Allow the temperature to melt any clogged filament that may still be inside the pen.

4. Insert new filament and try again.

5. If these suggestions do not work, please contact customer service.

Product Registration Instructions
Visit: www.HamiltonBuhl.com
1. Click on Customer Care
2. Click on Product Registration Icon
3. Please fill out all fields marked with * to register

Warranty:
Warranty begins the date item ships from our warehouse. All products have a one year warranty from original date of shipment, unless otherwise noted.