

Specifications

Discharging mode: hot melt extrusion
Print Range: unlimited
Feeding Speed: adjustable
Print Material: ABS/PLA
Material Diameter: 1.75mm
Nozzle Diameter: 0.60mm
Nozzle Temperature: 130-230°C
Power Output: 10W
Power Input: 5VDC 2A
Power Adapter: 100-240VAC 50/60Hz
Equipment Dimension: 175 x 20 x 17mm
Equipment Weight: 40g
Certifications: **FC** **CE** **RoHS**

Limited 1 Year Warranty

We stand by our products and offer a 1 year limited warranty that covers defects in manufacture. For more information visit:
www.mynt3d.com/pages/warranty

Contact information:
MYNT3D

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MYNT3D PRINTING PEN

"PRO"

User Manual



Scanned + Archived
By:
FindMyManual.org

Please read through this user manual completely before use.

www.mynt3d.com

WARNING

BURN HAZARD. The ceramic nozzle of this device can become extremely hot. **DO NOT** touch the tip or any melted plastic or you may be severely burned. **DO NOT** allow the tip near or in contact with flammable materials. Inform others in the area that the unit is hot and should be handled with care. Allow the tip to cool completely after use and before storing. The hot tip may cause damage to painted surfaces, plastics and cloth if left in contact with these materials. Only use 1.75mm ABS and PLA filament.

ADULT USE ONLY. KEEP OUT OF REACH OF CHILDREN.

WARNING



DO NOT use this appliance near bathtubs, showers, basins or other vessels containing water.

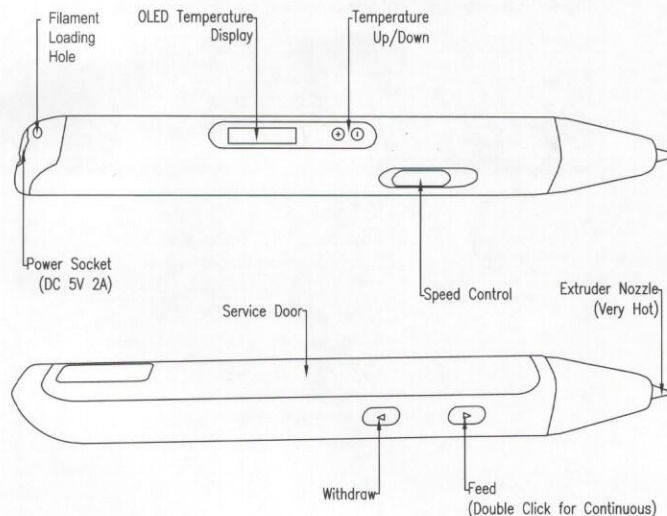


This marking indicates that this product should not be disposed of with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote sustainable reuse of material resources.

Please take a moment to verify you received all the components

1. 3D Printing Pen
2. AC Adapter
3. USB Power Cable
4. Plastic Screwdriver (for service door removal)
5. (3) Rolls of ABS Filament
6. Phillips Screwdriver (for nozzle removal)

Features and Controls of your 3D Printing Pen



Operation Instructions

1. Connect the AC Adapter and USB Power Cable to a power outlet. Insert the plug into the **power socket**. Note: This 3D pen can be used with power banks that output at least 2 amps. This way you are not tethered to a wall outlet.

2. Adjust temperature (if desired) and press the **feed** button and release. Keep an eye on the **temperature display** and wait for the pen to heat to temperature.

ABS 210°C

PLA 175°C

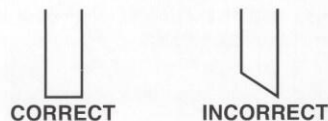
3. Straighten the end of the filament if necessary and insert it into the filament loading hole until it stops. Press and hold, or double click the **feed** button to load filament into the pen. Sliding the **speed control** all the way up will make this process faster.

4. Start your drawing on a flat surface. Poly carbonate, or glass with a thin layer of washable gluestick makes for an optimal work surface, but you can use anything that is heat safe and your filament adheres to.

Double click the feed button for continuous feed. Pressing the **load** or **withdraw** button once will exit continuous feed mode.

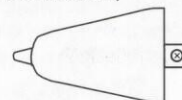
Changing Colors

1. Bring your 3D Pen up to temperature.
2. Press and hold the **withdraw** button until the filament is free.
3. Ensure the new filament is cut correctly and load into the pen.



Nozzle Maintenance

• If you believe your **nozzle is clogged**, back out the filament and cut a new end. Then open the service door and remove the nozzle to check if there is a piece that can be removed. If it's still clogged, try raising the temperature to melt the clog. However, if you find you are unable to remove the filament, please note the nozzle is modular and easily replaced. Replacement nozzles are available at mynt3d.com.



• **To check for a jam or replace the nozzle**, start by prying open the service door with a thin, flat tool. Use an eyeglasses size Phillips screwdriver to remove the screw holding in the nozzle. Slide out the nozzle, wiggling carefully if you encounter resistance.

Quick Tips

- View our initial setup walkthrough video at:
www.mynt3d.com/pages/tips
- Use lower temperatures than filament manufacturers suggest for 3D printers:

ABS: >190 C

PLA: <190 C

- If the feed motor begins to struggle **stop operation** and back out the filament. Try cutting a new end before continuing. If the motor continues to struggle there may be a piece of broken filament stuck inside. See Nozzle Maintenance section for further instructions.

Filament Tips and Notes

- When changing from PLA to ABS filament, the nozzle may emit a small amount of smoke from the increased temperature. PLA is plant-based and does not release any toxic fumes when over-heated.
- Depending on the filament being used, plastic may continue to extrude slightly after the **feed** button is released. This effect is often more pronounced with PLA, and is a symptom of commercial 3D printers as well. Decreasing the temperature slightly can help.
- It is advised to only use the **withdraw** button when changing filament. If filament is only partially withdrawn it can deform in the barrel and the pen will not extrude. If this happens you should fully withdraw the filament and cut off the deformed section.
- Filament quality varies greatly, and even reputable brands can release bad batches. If your 3D pen is behaving abnormally, a good first step is to try another roll of filament. Also, **ABS and PLA filament are damaged by excess humidity**. It is good practice to store your filament in a sealed and dry location.

Trouble Shooting

Does not extrude

Does the display light up when plugged in?

no

Does wiggling/twisting the power cable cause the display to light up?

yes

Replace power cord

no

Contact customer service to see if pen can be replaced under warranty

yes

Does it come up to operating temperature?

no

Replace nozzle

yes

Can you hear the motor struggle when the extrude button is pressed?

no

Contact customer service to see if pen can be replaced under warranty

yes

Can you back out the filament and cut a new end?

no

Contact customer service to see if pen can be repaired under warranty

yes

If the pen still does not extrude there may be a jam inside the pen. Remove the service door and nozzle. Are there visible pieces of filament?

no

Replace nozzle

yes

Remove the pieces of filament that are lodged inside the pen and reassemble. Make sure you are using high quality filament and the MYNT3D recommended temperatures for the material type.