

MILEFA PAB04AR

MILEFA 3D Printer Table with Filament Storage and Power Outlet

Model: PAB04AR | User Manual

INTRODUCTION

Thank you for choosing the MILEFA 3D Printer Table with Filament Storage and Power Outlet. This heavy-duty workstation is designed to optimize your 3D printing setup, providing ample space for multiple printers, extensive filament storage, and convenient integrated power. This manual will guide you through the assembly, operation, and maintenance of your new 3D printer table.

Key features include:

- **Dual-Printer Workstation:** Two spacious work surfaces (27.6"L×23.2"W and 25"L×23.2"W) accommodate multiple 3D printers.
- **Integrated Filament Storage:** An 80-spool filament rack (10 on top + 70 below) with a three-tier shelf system, compatible with 200g, 500g, and 1kg PLA/ABS/TPU spools.
- **Adjustable Design:** The top crossbar offers three-position height adjustment, and the second tier provides three settings for versatile spool sizes and printer heights.
- **Robust Construction:** Built with a 20mm corrosion-resistant metal frame, scratch-resistant P2 particleboard, and H-beam side supports for a 350-lb load capacity.
- **Built-in Power:** Features two integrated AC outlets and two USB ports for convenient power access and cable management.

1. SETUP AND ASSEMBLY

Before beginning assembly, ensure all parts are present and undamaged. Refer to the included parts list and

diagrams. Assembly is designed to be straightforward with numbered parts and step-by-step instructions. A Phillips head screwdriver (not included) may be required in addition to any provided tools.

1.1 Unpacking and Part Identification

Carefully unpack all components. Lay them out on a clean, soft surface to prevent scratches. Identify each part using the provided labels and the assembly diagram.

1.2 Assembly Steps

1. **Frame Assembly:** Begin by assembling the main metal frame components. Ensure all bolts are finger-tightened initially.
2. **Shelf Installation:** Attach the P2 particleboard shelves to the frame. Note that the second tier offers three adjustable height settings. Choose the desired height during this step.
3. **Filament Rack Setup:** Install the filament storage rods. The top crossbar for the filament holder is adjustable to three positions to accommodate different printer heights.
4. **Power Outlet Integration:** Secure the integrated power strip to its designated location on the frame.
5. **Final Tightening:** Once all components are in place and aligned, fully tighten all bolts using the provided tool. Do not overtighten.
6. **Adjustable Feet:** Install the non-slip adjustable feet at the base of the table. Adjust them to ensure the table is level and stable on your floor.

1.3 Layout Options

The MILEFA 3D Printer Table offers three primary layout configurations to suit your workspace needs:

- **Workspace Extension:** Maximizes surface area for larger projects or additional equipment.
- **Compact Setup:** Ideal for smaller spaces, providing a balanced footprint with ample storage.
- **Extended Storage:** Best for users with larger filament collections, offering maximum spool capacity.

3 LAYOUT OPTIONS, CUSTOMIZED TO YOUR NEEDS

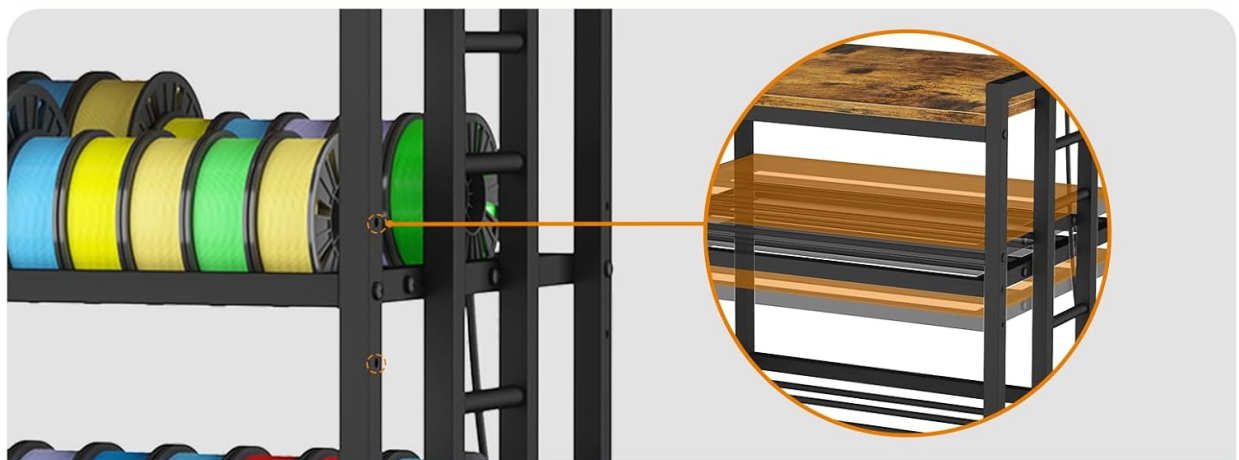


Figure 1: Three customizable layout options for the 3D Printer Table.

ADJUATABLE STORAGE RACK



Adjustable Height Filament Holder



3-position adjustable shelves

Figure 2: Adjustable height filament holder and 3-position adjustable shelves.



Figure 3: Product dimensions for planning your workspace.

1.4 Assembly Video Guide

For a visual guide to the assembly process and product features, please refer to the official product video:

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Video 1: Official MILEFA overview showcasing the 3D Printer Table's features and functionality.

2. OPERATING INSTRUCTIONS

The MILEFA 3D Printer Table is designed for efficient and organized 3D printing operations.

2.1 Placing 3D Printers

Utilize the two main work surfaces to place your 3D printers. The larger surface (27.6"L×23.2"W) is suitable for most standard printers, while the smaller surface (25"L×23.2"W) can accommodate a second, more compact

printer or other accessories. Ensure printers are centered and stable on the surfaces.



Figure 4: Example of dual 3D printer setup on the table.

2.2 Filament Storage and Management

The integrated filament rack can store over 80 spools. Organize your 200g, 500g, and 1kg PLA, ABS, or TPU filament spools on the three-tier shelves. The top crossbar can be adjusted to ensure optimal feeding to your printer, preventing tangles and improving print quality.

DUAL 3D PRINTER RACK WITH STORAGE

Compatible with various types
of 3D printers

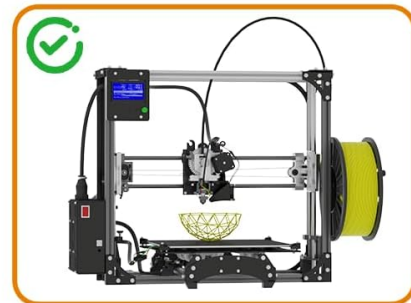
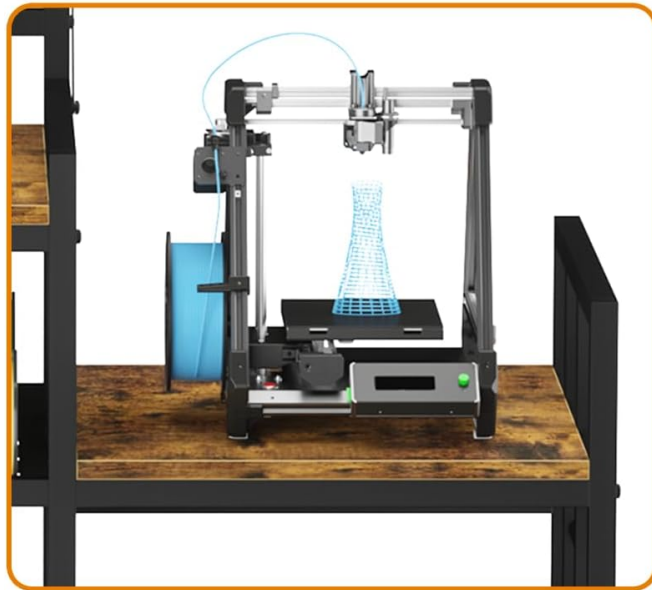
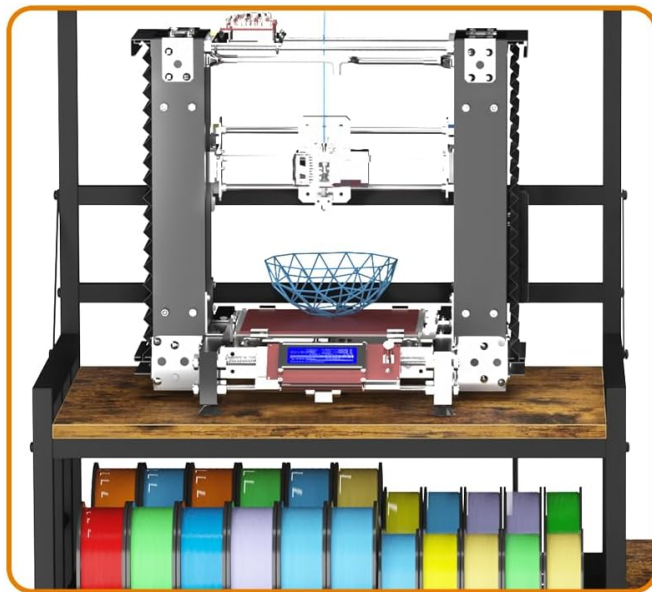


Figure 5: Filament storage capacity and spool size compatibility.

2.3 Using the Integrated Power Outlets

The table includes two AC outlets and two USB ports. Plug your 3D printers, laptops, or other accessories directly into these outlets for a tidy and efficient power solution. Ensure that the total power draw does not exceed the rated capacity of the power strip.



Figure 6: Integrated power socket and structural details.

3. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your MILEFA 3D Printer Table.

3.1 Cleaning

The P2 particleboard surfaces are scratch-resistant and easy to clean. Use a soft, damp cloth to wipe down surfaces. Avoid abrasive cleaners or harsh chemicals that could damage the finish. For the metal frame, a dry or slightly damp cloth is sufficient.

3.2 Stability Check

Periodically check all bolts and fasteners to ensure they remain tight. Vibrations from 3D printers can sometimes loosen connections over time. Re-tighten as necessary to maintain the table's stability.

3.3 Filament Rods

Ensure the filament rods are free of dust or debris that could impede smooth spool rotation. Clean them as needed.

4. TROUBLESHOOTING

This section addresses common issues you might encounter with your 3D printer table.

4.1 Table Wobbles During Printing

- **Check Leveling:** Ensure the adjustable feet are properly adjusted to level the table on uneven floors.
- **Tighten Fasteners:** Re-check and tighten all assembly bolts. Loose connections can contribute to instability.
- **Printer Placement:** Ensure your 3D printer is centrally located on the work surface to distribute weight evenly.
- **External Bracing:** For high-speed printers or if significant wobble persists, consider placing the table against a sturdy wall or adding external bracing for enhanced stability.
- **Printer Settings:** If your 3D printer supports features like Input Shaping (vibration compensation), calibrate these settings to mitigate the impact of table movement on print quality.

4.2 Difficulty Accessing Filament Spools

Due to the depth of the storage shelves, accessing spools at the very back can sometimes be challenging. Consider organizing frequently used spools towards the front or utilizing the adjustable shelf heights to create more accessible rows.

4.3 Power Outlets Not Working

- **Check Main Power:** Ensure the table's power cord is securely plugged into a functional wall outlet.
- **Reset Breaker:** The integrated power strip may have a reset button if it has tripped due to overload.
- **Inspect Connections:** Verify that the power strip is correctly connected to the table's internal wiring during assembly.

5. SPECIFICATIONS

Feature	Detail
Brand	MILEFA
Model Number	PAB04AR
Color	Rustic Brown
Material	Engineered Wood, Metal
Item Weight	46 Pounds

Feature	Detail
Item Dimensions (L x W x H)	23.2 x 29.2 x 59 inches
Load Capacity	350 lbs (Manufacturer stated), 300 lbs (Specification listed)
Number of Levels	5
Power Outlets	2 AC outlets, 2 USB ports
Filament Spool Capacity	Over 80 spools (200g/500g/1kg compatible)
Assembly Required	Yes

6. WARRANTY INFORMATION

MILEFA stands behind the quality of its products. This 3D printer table is covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact MILEFA customer support directly. We offer "360° AFTER-PURCHASE CARE" to ensure your satisfaction.

7. CUSTOMER SUPPORT

If you have any questions regarding the assembly, operation, maintenance, or troubleshooting of your MILEFA 3D Printer Table, please do not hesitate to contact our customer support team. We are here to help.

Contact Information:

Website: [Visit the MILEFA Store on Amazon](#)

Email: [Insert Customer Support Email Here]

Phone: [Insert Customer Support Phone Number Here]

PRODUCT OVERVIEW

Here are additional views of the MILEFA 3D Printer Table:



Figure 7: Overall view of the MILEFA 3D Printer Table in Rustic Brown.



Figure 8: The 3D Printer Table integrated into a workspace.