

Unbranded DC-330Pro

Unbranded DC-330Pro 13-inch A3 Mini Vinyl Cutter Plotter Instruction Manual

Model: DC-330Pro | Brand: Unbranded

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Unbranded DC-330Pro 13-inch A3 Mini Vinyl Cutter Plotter. Please read this manual thoroughly before using the machine to ensure proper setup, usage, and maintenance. Keep this manual for future reference.

The DC-330Pro model features upgraded movable paper rollers for better material stabilization, an additional communication interface for USB flash drives, an integrated screen display for improved user interaction, and a camera-based A3 positioning system for higher accuracy. The number of paper rollers has been increased from 2 to 3 to prevent material lifting or curling.

2. SAFETY PRECAUTIONS

- Protective material must be removed before turning on the cutting plotter.
- Check the label on the back side of the plotter to confirm that the rated voltage required by the plotter matches the voltage of the power base.
- Firstly make sure that the power switch is off, then plug the power supply into a grounded power outlet.
- Please do not touch the power cord with wet hands to avoid electric shock.
- Please only use the power cord, data cable provided with this product, or manufacturer-approved replacements.
- Please do not drop metal objects and liquids into the machine to avoid malfunction.
- After shutting down, you must wait another 5 seconds to turn on the cutting plotter again, otherwise it will cause damage to the cutting plotter.
- In thunderstorms, turn the power switch to OFF and unplug the power cord.
- Please do not privately change the manufacturer's components.
- Manufacturer reserves the right to change product specifications without prior notice.
- The manufacturer only bears the legal obligations of the product itself sold to the users, and does not bear other losses caused by the malfunction of the products.
- Without our company's permit, no part of this manual can be copied or transmitted in any name.

3. PACKING LIST

Ensure all items are present and undamaged upon unpacking:

- 1 x Main Unit
- 1 x Power Adapter (110-240V)
- 1 x Power Cable
- 1 x USB Data Cable
- 1 x USB Flash Drive
- 1 x Cutting Blade Holder, Set of Blades (45°)
- 1 x Drawing Pen Holder, Pen Cartridge
- 2 x Cutting Mat
- 1 x Warranty Card

4. PRODUCT OVERVIEW

Familiarize yourself with the main components and features of your vinyl cutter.



Figure 4.1: Side view of the DC-330Pro vinyl cutter.

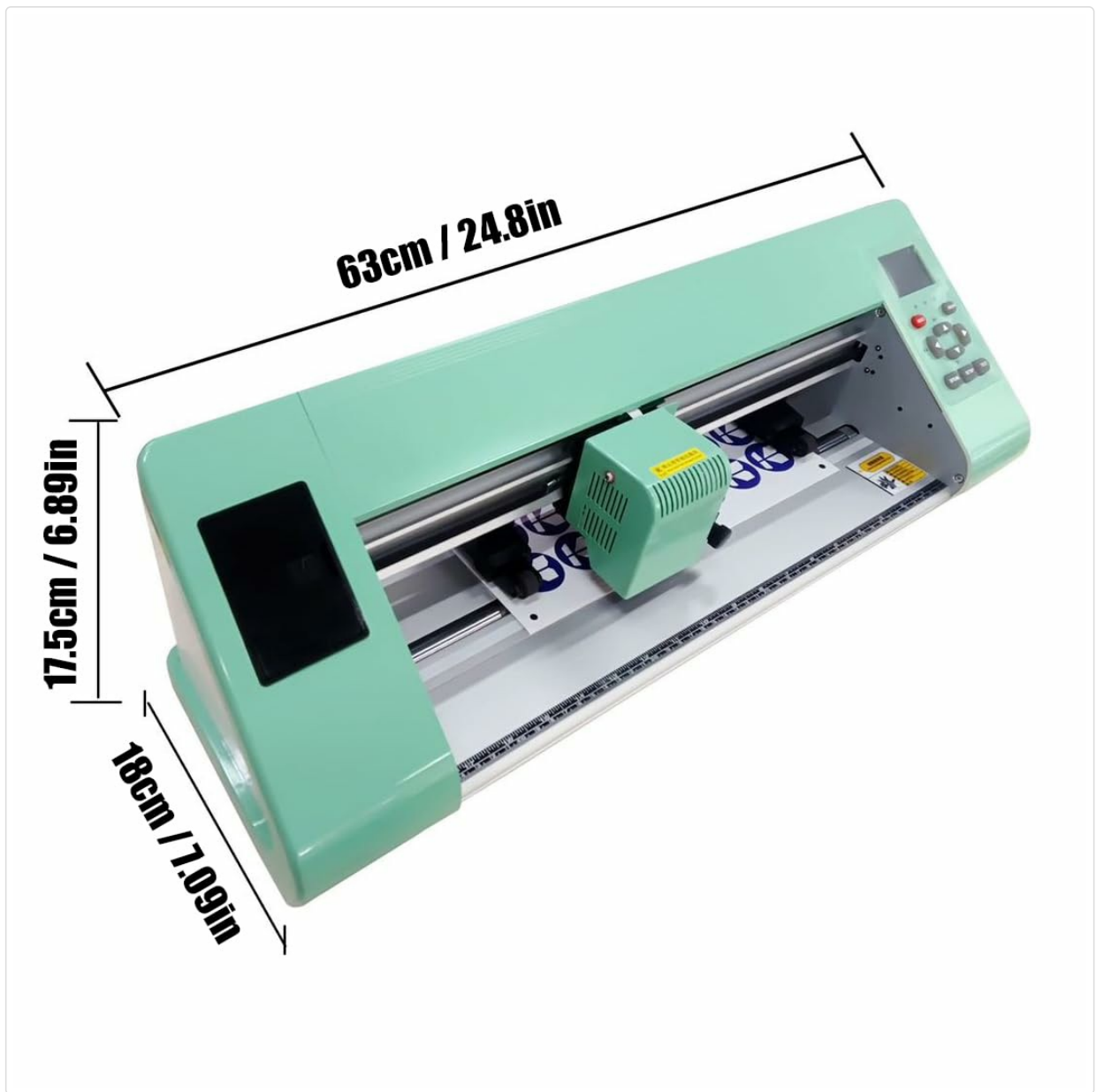


Figure 4.2: Dimensions of the DC-330Pro vinyl cutter (63cm/24.8in length, 17.5cm/6.89in height, 18cm/7.09in depth).

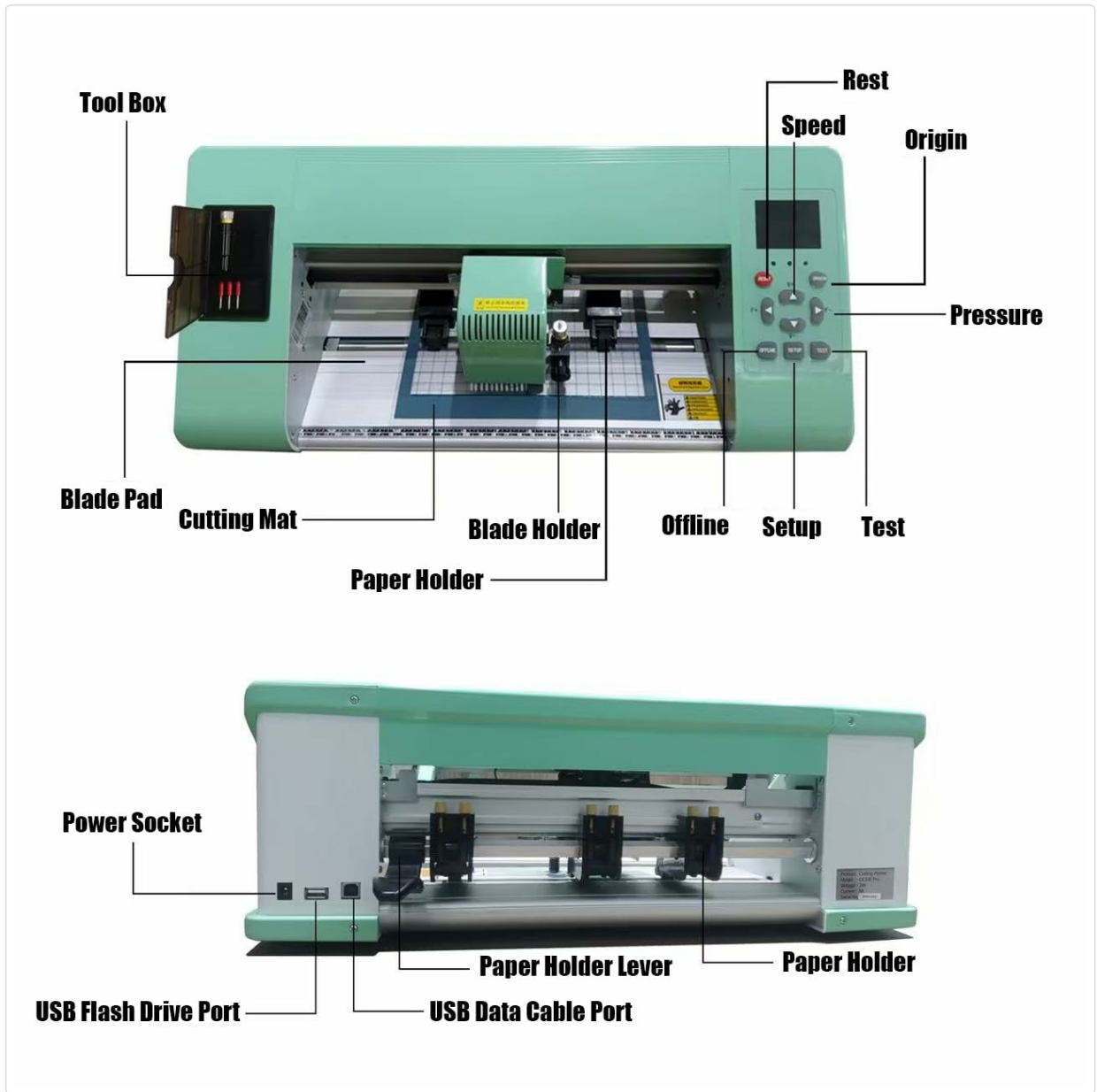


Figure 4.3: Front and rear component identification. Front: Tool Box, Blade Pad, Cutting Mat, Blade Holder, Paper Holder, Rest, Speed, Origin, Pressure, Offline, Setup, Test. Rear: Power Socket, USB Flash Drive Port, USB Data Cable Port, Paper Holder Lever, Paper Holder.

When cutting is complete, exit the material



(pic 7)

Note: Specific operation can refer to USB flash drive operation video, including as follows

1. Ordinary cutting video
2. Automatic contour video
3. Automatic deviation correction video
4. Software installation video

Figure 4.4: Detailed component breakdown. Key parts include the pinch rollers, carriage, blade clamp, touch screen, and various ports.

5. SETUP

5.1 Assemble Floor Stand (If applicable)

If your model includes a floor stand, follow these steps for assembly:

1. Attach the horizontal support bars to the vertical legs using the provided screws and screwdriver. Ensure all connections are secure.
2. Install the caster wheels onto the base of the vertical legs.
3. Mount the vinyl cutter main unit onto the assembled stand, aligning the mounting points and securing with screws.

Video 5.1: Visual guide for assembling the plotter stand and mounting the unit.

5.2 Plug in the Power Cord

Connect the power cable to the plotter's power socket and then to a grounded electrical outlet. Ensure the power switch is in the OFF position before connecting.

Video 5.2: Demonstration of connecting the power cord and turning on the unit.

5.3 Connect the USB Cable to Computer

Connect the provided USB data cable from the plotter to your computer's USB port.

Video 5.3: Guide on connecting the USB cable for computer communication.

5.4 Place the Paper to be Cut

Load your vinyl or other cutting material onto the rollers. Ensure it is aligned straight and free of wrinkles.

Video 5.4: Instructions for loading the cutting material onto the plotter.

5.5 Press the Pressure Rollers

Lower the pressure rollers to firmly hold the material in place. This prevents shifting during the cutting process.

Video 5.5: How to engage the pressure rollers to secure the material.

5.6 Install the Blade

Carefully insert the cutting blade into the blade holder. Ensure it is seated correctly.



Figure 5.1: Blade assembly diagram.

Video 5.6: Visual guide for installing the blade into the holder.

5.7 Adjust Blade Depth

Loosen the blade adjustment nut and rotate the shank to adjust the length of the exposed blade tip. Determine the tip length according to the thickness of the material. A test cut is recommended to find the optimal depth.



Figure 5.2: Blade depth adjustment for various material thicknesses.

Video 5.7: Demonstration of adjusting the blade depth and performing a test cut.

5.8 Software Installation

Insert the provided USB Flash Drive into your computer. Follow the on-screen instructions to install the SignMaster software. You will need to enter the Product Serial Number (PSN) found on the left side of the opened software box to activate the software.

Video 5.8: Step-by-step guide for installing and activating the SignMaster software.

6. OPERATING INSTRUCTIONS

6.1 Control Panel Overview

The control panel allows you to navigate menus, adjust settings, and control the plotter's movement.



Figure 6.1: Control buttons description and operation instructions flowchart.

6.2 Setting Origin Point

Use the arrow keys on the control panel to move the blade carriage to your desired starting position on the material. Press the 'Origin' button to set this as the new origin point for your cut.

Video 6.1: How to use the control panel to set the cutting origin.

6.3 Test Cut

Perform a test cut to verify the blade depth and pressure settings are appropriate for your material. Adjust as needed.

Video 6.2: Performing a test cut and adjusting blade settings.

6.4 Sending Design to Cutter

Once your design is ready in the SignMaster software, select the appropriate cutter model and media width. Click 'Cut Now' to send the design to the plotter.

Video 6.3: Steps to prepare and send a design from the software to the vinyl cutter.

6.5 Weeding Vinyl

After cutting, carefully remove the excess vinyl from around your design using a weeding tool. This process reveals your final cut design.

Video 6.4: Demonstration of weeding excess vinyl from a cut design.

6.6 Applying Transfer Tape

Apply transfer tape over your weeded vinyl design. Use a squeegee to ensure the vinyl adheres to the tape and remove any air bubbles.

Video 6.5: Guide on applying transfer tape to the vinyl design.

6.7 Painting with Stencil (Optional)

If using the vinyl as a stencil, apply it to your surface. For best results and to prevent bleeding, seal the stencil with a thin layer of your base coat paint before applying the final color.

Video 6.6: Tips for using vinyl as a stencil for painting projects.

7. MAINTENANCE

- **Cleaning:** Regularly clean the plotter's surface and rollers with a soft, dry cloth. Ensure no dust or debris accumulates in the cutting area.
- **Blade Replacement:** Replace blades when they become dull to ensure clean and precise cuts. Refer to section 5.6 for blade installation.
- **Software Updates:** Periodically check for software updates to ensure optimal performance and compatibility.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Cutter not responding	Loose cable connection, software not activated, incorrect driver.	Check USB and power connections. Ensure software is activated and the correct cutter model is selected in the software.
Poor cut quality	Dull blade, incorrect blade depth, insufficient pressure, material not secured.	Replace blade, adjust blade depth (Section 5.7), increase cutting pressure, ensure material is held firmly by rollers.
Material jams or shifts	Material not loaded straight, pressure rollers not engaged, material too thick/thin.	Reload material straight, engage pressure rollers, verify material compatibility with cutter specifications.

9. SPECIFICATIONS

- **Model:** DC-330Pro
- **Voltage:** AC100-240V
- **Max. Feeding Width:** 450mm
- **Max. Cutting Width:** 310mm
- **Cutting Thickness:** ≤1mm
- **Speed/Pressure:** 20-800mm/s, 20-500g
- **Buffer:** 1-4M
- **LCD Display:** CN/EN
- **Real-time Speed:** Adjusting Support
- **Interface:** USB+U-DISK
- **Re-cutting Function:** Support
- **Re-cutting Accuracy:** 0.127mm
- **Resolution Ratio:** 0.0245mm/step
- **Language Format:** HPGL
- **Item Weight:** 20 Pounds
- **Material:** Metal
- **Color:** Red
- **Active Surface Area:** 928.6 square inches
- **Operation Mode:** Automatic

10. WARRANTY

This product includes a Warranty Card. Please refer to the Warranty Card included in your packaging for detailed information regarding warranty coverage, terms, and conditions. Keep your proof of purchase for warranty claims.

11. SUPPORT

For technical assistance, troubleshooting, or inquiries about your Unbranded DC-330Pro vinyl cutter, please contact your retailer or the manufacturer's customer support. Refer to the contact information provided on the product packaging or the official website.