Graphtec CE8000-60-BASE-2

Graphtec CE8000-60 Plus 24" Cutter Plotter User Manual

Model: CE8000-60-BASE-2

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Graphtec CE8000-60 Plus 24" Cutter Plotter. Designed for precision and efficiency, this industrial-grade cutting machine is ideal for a wide range of applications including signage, vinyl graphics, DTF apparel, print & cut, POP & packaging, and automotive markets. Please read this manual thoroughly before using the device to ensure safe and optimal performance.

Figure 1: Graphtec CE8000-60 Plus Cutter Plotter with accessories and software.

This image displays the Graphtec CE8000-60 Plus 24-inch cutter plotter, showcasing its main unit, the included software packages (Graphtec Studio 2 and Cutting Master 5), various rolls of adhesive vinyl in different colors, and transfer tape. The overall setup highlights the comprehensive bundle designed for immediate use in various cutting applications.

2. PACKAGE CONTENTS

Before beginning the setup, please verify that all components listed below are present in your package.

- Graphtec CE8000-60 Plus 24" Cutter Plotter Unit
- Machine Stand
- Updated CB09UB Blade Holder
- CB09UB Blade (.9 millimeter Diameter - 45 Degree)
- 12 Rolls of Assorted 651 Glossy Vinyl
- Transfer Tape

- Wireless LAN Connection Module

- Roll Media Holder

- Tool & Accessory Holder

- Graphtec Studio 2 Design Software

- Cutting Master 5 Plug-in for Adobe Illustrator and CorelDraw

- USB Connector Cable

- Cutting Blade Manual

Figure 2: Included accessories and media.

This image displays a collection of accessories and media included with the Graphtec CE8000-60 Plus. It features various colored rolls of Oracal adhesive vinyl, transfer tape, a blade holder, a cutting blade, a wireless LAN module, and the USB cable, illustrating the comprehensive nature of the product bundle.

3. SETUP INSTRUCTIONS

3.1 Assembling the Machine Stand

Carefully unpack the machine stand components. Follow the assembly instructions provided in the separate stand manual (if applicable) or refer to the quick start guide. Ensure all screws are securely fastened for stability.

Figure 3: Graphtec CE8000-60 Plus mounted on its stand.

This image shows the Graphtec CE8000-60 Plus cutter plotter fully assembled and mounted on its dedicated stand. A roll of blue vinyl is loaded into the machine, ready for cutting, demonstrating the plotter's operational setup.

3.2 Connecting the Plotter

1. Place the plotter unit securely on the assembled stand.
2. Connect the power cable to the plotter and a suitable power outlet.
3. Connect the USB cable from the plotter to your computer.
4. For wireless connectivity, install the Wireless LAN Connection Module into the designated port on the plotter. Refer to the module's specific instructions for network setup.

3.3 Software Installation

Install the Graphtec Studio 2 Design Software and the Cutting Master 5 Plug-in for Adobe Illustrator and CorelDraw on your computer. Follow the on-screen prompts during installation. Ensure your operating system meets the minimum requirements for the software.

4. OPERATING INSTRUCTIONS

4.1 Loading Media

Utilize the Roll Media Holder to feed your vinyl or other media into the plotter. Adjust the Pressure Adjustable Push Rollers to securely hold the media in place without causing damage. The newly developed Media Set Assist Function aids in proper media alignment.

4.2 Control Panel Overview

The CE8000-60 Plus features both a touch screen and mechanical keys for intuitive operation. Navigate through the new menu structure to access various settings and functions.

Figure 4: Control Panel.

This close-up image shows the control panel of the Graphtec CE8000-60 Plus cutter plotter. It features a digital display screen showing menu options like "ORIGIN" and "COND No.", along with physical buttons for "SLOW", "ESCAPE", and "ENTER", indicating both touch and tactile control options for machine operation.

4.3 Cutting Operations

The plotter boasts a 450 gf cutting force and a cutting speed of 39 inches per second. For precise print & cut applications, the reliable Registration Mark Sensing System (ARMS) ensures accurate contour cutting around pre-printed designs.

Figure 5: Cutting Head and ARMS System.

This close-up image focuses on the cutting head of the Graphtec CE8000-60 Plus, positioned over a sheet of material with printed registration marks. The image highlights the precision capabilities of the machine, particularly its Advanced Registration Mark Sensing (ARMS) system, crucial for accurate contour cutting.

4.4 Applications

The Graphtec CE8000-60 Plus is versatile and can be used for a variety of applications:

- Heat Transfer Apparel
- Print and Cut Graphics
- Vinyl Decals
- Paint Protection Film
- Vinyl Window Signage
- POP (Point of Purchase) & Packaging
- Custom Labels

- Window Tinting Film

Heat Transfer Apparel

PRINT and CUT

Vinyl Decals

Paint Protection Film

Figure 6: Diverse Applications Part 1.

This image showcases four common applications for the Graphtec CE8000-60 Plus: a person wearing a t-shirt with a heat-transferred design, various small print-and-cut stickers, a hand applying a vinyl decal to a car, and a car with paint protection film applied to its headlight, demonstrating the machine's versatility.

Figure 7: Diverse Applications Part 2.

This image illustrates four additional applications for the Graphtec CE8000-60 Plus: vinyl signage on a window for a business, a display box for product packaging, various custom-shaped food labels, and a car window with tinting film applied, further highlighting the machine's broad utility.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Graphtec CE8000-60 Plus.

- **Cleaning:** Periodically clean the exterior of the plotter with a soft, dry cloth. Ensure no dust or debris accumulates around the cutting head, rollers, or media path.
- **Blade Inspection:** Inspect the cutting blade regularly for wear and tear. Replace the blade when cuts become inconsistent or ragged. Refer to the Cutting Blade Manual for proper replacement procedures.
- **Roller Care:** Keep the pinch rollers clean and free of adhesive residue to ensure proper media feeding.
- **Firmware Updates:** Check for integrated firmware updates periodically to ensure your plotter has the latest features and performance enhancements.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

- **Poor Cut Quality:**

  - Check blade condition and replace if dull.
  - Adjust cutting force settings in the software or on the plotter's control panel.
  - Ensure media is loaded correctly and held firmly by the pinch rollers.

- **Media Feeding Issues:**

  - Verify media is aligned straight and not skewed.
  - Clean pinch rollers to remove any debris or adhesive.
  - Ensure sufficient space for media to feed freely from the front and back of the machine.

- **Connection Problems:**

  - Check USB cable connections at both the plotter and computer.
  - Restart the plotter and computer.
  - For wireless issues, verify network settings and signal strength.

- **Software Not Recognizing Plotter:**

  - Ensure drivers are correctly installed.
  - Verify the plotter is powered on and connected.
  - Try a different USB port on your computer.

If you encounter issues not covered here, please refer to the detailed troubleshooting guide available on the Graphtec support website or contact customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	CE8000-60-BASE-2
Brand	Graphtec
Cutting Force	450 gf
Cutting Speed	39 inches/second
Active Surface Area	58.42 cm²
Operation Mode	Automatic
Color	Black
Manufacturer	Graphtec America
First Available Date	October 1, 2024

8. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the documentation included with your purchase or visit the official Graphtec America website.

Should you require technical assistance, parts, or service, please contact Graphtec America customer support. Have your model number (CE8000-60-BASE-2) and purchase date ready when contacting support.

Manufacturer: Graphtec America