VEVOR Vinyl Cutter Machine28in

VEVOR 28-inch Vinyl Cutter Machine Instruction Manual

Model: Vinyl Cutter Machine28in

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your VEVOR 28-inch Vinyl Cutter Machine. Please read this manual thoroughly before using the device to ensure proper function and safety.

Key Features:

- **Quick Start Function:** Built-in test function allows previewing designs before cutting, reducing material waste.
- **System Compatibility:** Supports Windows 7-11 and macOS, with USB, U-disk, or serial port connections. Includes a licensed SignMaster activation code.
- **Dual-Blade Design:** Equipped with main and auxiliary blades for simultaneous drawing and cutting or scoring, eliminating the need for frequent blade changes.
- **Material Versatility:** Handles sheets and rolls up to 1 mm thick, with adjustable force (20–500 gf) for various materials like vinyl, HTV, sticker paper, and cardstock.
- **Precise Cutting:** Features intelligent contour detection with ±0.1 mm accuracy and dual-spring pinch rollers for stable media handling and exact tracking.

WHAT'S IN THE BOX

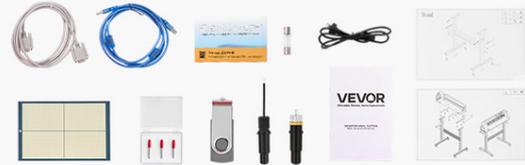Verify that all components are present upon unpacking:

- 1 x Vinyl Cutter Machine
- 1 x User Manual
- 1 x Exploded Diagram
- 1 x Creasing Blade
- 2 x Blade Holder
- 1 x Cutting Blades (Set of 3)
- 1 x Fuse
- 1 x Cutting Mat (A3)
- 1 x SignMaster Software (Windows + macOS)

- 1 x Screw Pack (M4 × 40 mm × 8, M4 × 16 mm × 6)

- 1 x USB Cable

- 1 x Serial Cable

- 1 x Power Cable

- 1 x USB Flash Drive

- 1 x Pen Holder

- 1 x Platform Assembly

Item Model Number: **SK-720L**

Material: **ABS Plastic & Aluminum Alloy**

Net Weight (including accessories): **35 lbs / 15.9 kg**

37" / 940 mm   **17.91" / 455 mm**

40.55"
1030 mm

1 x User Manual
1 x Exploded Diagram
1 x Creasing Blade
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1 x USB Cable
1 x Serial Cable
1 x Power Cable
1 x USB Flash Drive
1 x Pen Holder
1 x Platform Assembly

Image: All components included with the VEVOR Vinyl Cutter Machine.

SETUP

1. Assemble the Stand (if applicable)

Follow the instructions in the included "Exploded Diagram" and use the provided screw pack to assemble the machine stand. Ensure all connections are secure for stability.

Image: The vinyl cutter machine fully assembled on its stand.

2. Connect to Power and Computer

Connect the power cable to the machine and a suitable power outlet. For computer connection, choose one of the following options:

- **USB Port:** Use the provided USB cable to connect the machine to your computer.
- **U-Disk Port:** Insert a U-disk (USB flash drive) with your cutting files directly into the machine.
- **Serial Port:** Use the serial cable to connect to a computer with a serial port.

Compatible with Windows & Mac

SignMaster license included – No disc needed

Compatible Systems

✓ Windows 7 ✓ Windows 8 ✓ Windows 9

✓ Windows 10 ✓ Windows 11 ✓ MAC

COM port

USB port

U-Disk port

Image: Rear view of the machine showing U-Disk, USB, and COM ports for connectivity.

3. Software Installation and Compatibility

The VEVOR Vinyl Cutter Machine is compatible with Windows 7-11 and macOS. Install the included SignMaster software using the activation code provided. No CD driver is required for setup.

Your browser does not support the video tag.

Video: Demonstrates connecting the vinyl cutter to a computer and validating the SignMaster software license, highlighting system compatibility.
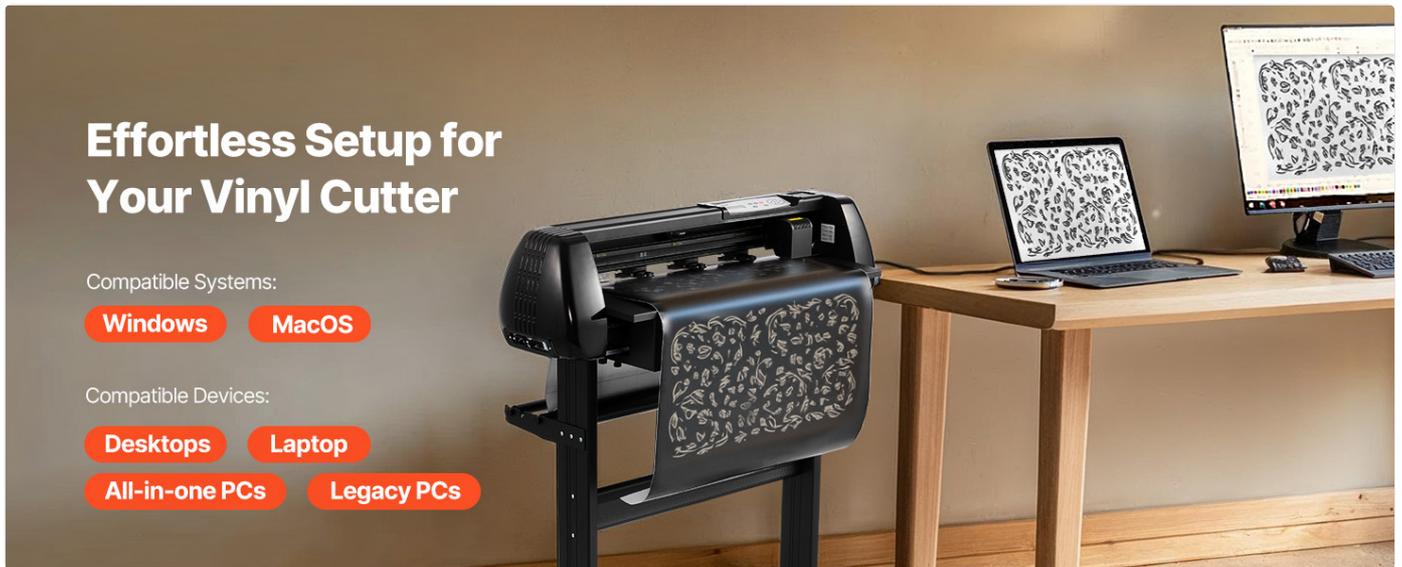

Image: Illustration of the vinyl cutter's compatibility with Windows and macOS systems.

OPERATING INSTRUCTIONS

1. Loading Material

The machine supports materials up to 1 mm (0.04 inches) thick. Carefully load your vinyl, HTV, or other compatible material onto the rollers. Ensure the material is aligned straight and secured by the dual-spring pinch rollers to prevent misalignment during cutting.
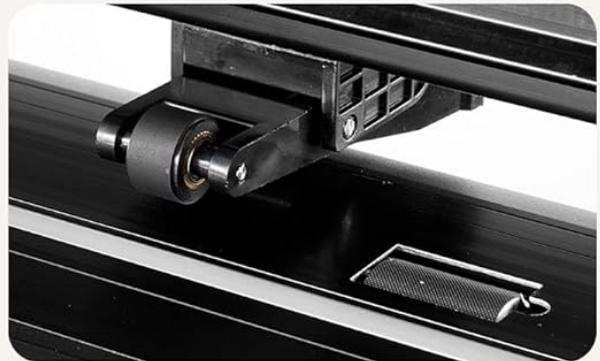
Sharp Details, No Damage

Smart contour cutting with ±0.1mm accuracy
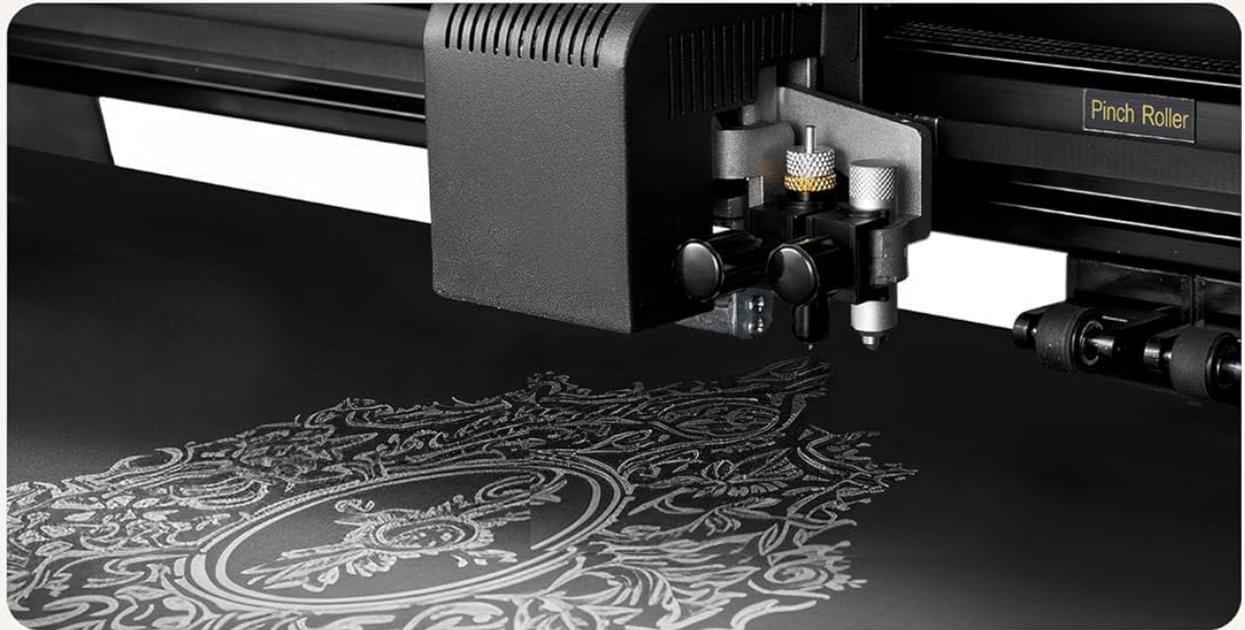
Pinch Roller

Stays Aligned from Start to Finish

Dual-Spring Clamping Roller

High-Precision Pinch Roller

Image: Detail of the dual-spring clamping rollers and high-precision pinch roller for material alignment.

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Video: Demonstrates loading material onto the vinyl cutter and securing it with the pinch rollers.

2. Control Panel Overview

The LED display and control buttons allow for direct machine operation and setting adjustments.

Cut & Draw / Score at Once
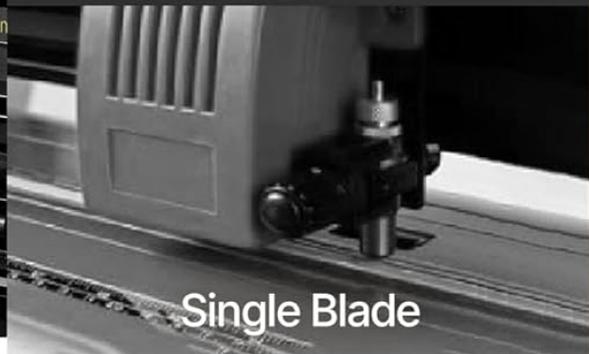
Dual blade design, No need to change blades

OURS

Double Blade

1 Install pen + blade at the same time

2 Set starting point once

3 Draw and cut in one go

4 All done simultaneously

50% Faster

OTHERS

Single Blade

1 Install drawing pen

2 Set starting point

3 Complete drawing

4 Replace with cutting blade

5 Re-align material (risk of misalignment)

6 Complete cutting

Image: Detailed view of the LED display and control buttons on the vinyl cutter.

- **Reset:** Resets the machine to default position/settings.
- **Leave:** Exits or goes back from the current menu.
- **Setting:** Enters the settings menu (speed, force, etc.).
- **Test:** Performs a test cut or pen trace.
- **Origin:** Sets the origin point for cutting.
- **Directional Arrows:** Manually move the blade along the X or Y axis.

3. Adjusting Blade Pressure and Speed

Adjust the blade pressure (20-500 gf) and cutting speed (20-600mm/s) via the settings menu to match the material thickness and desired cut quality. A test cut is recommended after adjustments.

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Video: Shows how to adjust blade pressure and speed settings on the control panel for different materials.

4. Preparing and Sending Designs

Use the SignMaster software to create or import your designs. Before sending to the cutter, utilize the preview function to verify the design layout and avoid errors.

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Video: Demonstrates previewing designs in the SignMaster software before sending them to the cutter, ensuring accuracy and preventing material waste.

5. Dual-Blade Functionality

The dual-blade system allows for simultaneous drawing and cutting or scoring. This eliminates the need to manually swap tools, improving workflow efficiency.

Stickers, Shirts, Cards All Made Easy

Compatible with sheet and roll-type media

Vinyl

HTV

Sticker Paper

Cardstock

Frosted Film

PET Label Sheet

20–500 gf
Adjustable Pressure

≤ 1mm
Thickness of cutting material

Image: The dual-blade design for efficient multi-tasking without changing tools.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your vinyl cutter.

- **Cleaning:** Periodically clean the machine, especially the cutting carriage, rollers, and blade holders, to remove dust and material debris. Use a soft, dry cloth.

- **Blade Replacement:** Replace cutting blades when they become dull to maintain cut quality. Refer to the "Exploded Diagram" for proper blade holder and blade replacement procedures.
- **Roller Inspection:** Check pinch rollers for wear or damage. Ensure they move freely and provide adequate grip on the material.

TROUBLESHOOTING

If you encounter issues with your VEVOR Vinyl Cutter Machine, consider the following common solutions:

- **Machine Not Responding:**

    - Check all power and data cable connections.
    - Ensure the machine is powered on.
    - Verify software connection settings on your computer.

- **Poor Cut Quality:**

    - Adjust blade pressure and speed settings according to the material.
    - Inspect the blade for dullness or damage and replace if necessary.
    - Ensure the material is loaded correctly and securely by the pinch rollers.

- **Material Misalignment:**

    - Re-load the material, ensuring it is straight and firmly held by the pinch rollers.
    - Check for any obstructions on the cutting path.

- **Software Issues:**

    - Restart the SignMaster software and your computer.
    - Ensure your SignMaster license is validated.
    - Consult the SignMaster software manual for specific software-related problems.

SPECIFICATIONS

28in Vinyl Cutter Machine

Item Model Number: **SK-720L**

Voltage: **AC85-264V, 50/60Hz**

Materials: **ABS plastic and aluminum alloy**

Power: **95W**

Net Weight: **35 lbs / 15.9 kg**

37" / 940 mm

17.91" / 455 mm

40.55"
1030 mm

Max Feed Width: **28.35" / 720 mm**

Max Cutting Width: **23.62" / 600 mm**

Image: Dimensions and key specifications of the VEVOR 28-inch Vinyl Cutter Machine.

Feature	Detail
Model Number	Vinyl Cutter Machine28in
Product Dimensions	37.01 x 17.91 x 40.55 inches (940 x 455 x 1030 mm)

Feature	Detail
Item Weight	35 pounds (15.9 kg)
Max Feed Width	28.35 inches (720 mm)
Max Cutting Width	23.62 inches (600 mm)
Power	95W
Voltage	AC85-264V, 50/60Hz
Materials	ABS plastic and aluminum alloy
Adjustable Force	20–500 gf
Cutting Speed Range	20–600 mm/s
Cutting Accuracy	±0.1 mm
Max Material Thickness	1 mm (0.04 inches)
System Compatibility	Windows 7-11, macOS
Connectivity	USB, U-disk, Serial Port