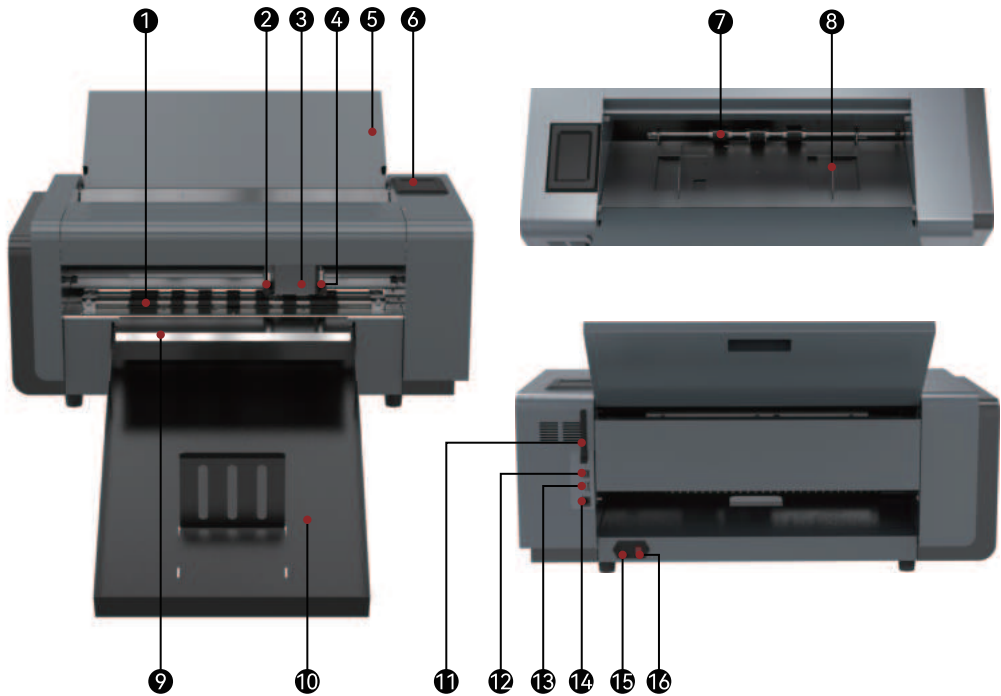


# A3MAX4 PRO Label Cutting Machine

User Manual

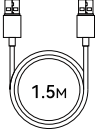
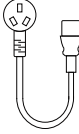


# Overview

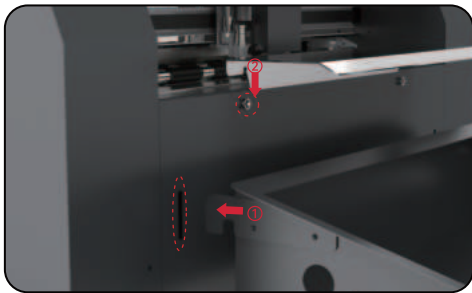


|                              |                             |
|------------------------------|-----------------------------|
| 1、Spiked Wheel               | 9、 Paper Distribution Plate |
| 2、Rotary Wheel Creasing Tool | 10、 Paper Output Tray       |
| 3、Carriage                   | 11、WiFi Antenna             |
| 4、Blade Holder               | 12、USB Port                 |
| 5、Paper Feeding Tray         | 13、U-Disk Port              |
| 6、Touch Screen               | 14、Ethernet Port            |
| 7、Paper Feeding Shaft        | 15、Power Port               |
| 8、Side Paper Guide           | 16、Power Switch             |

# Package Contents

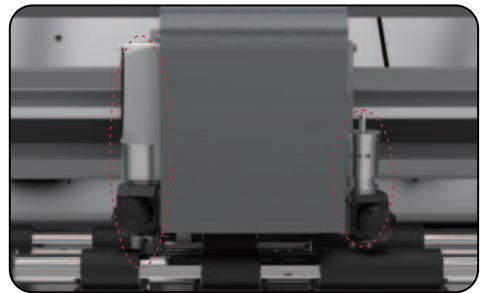
|                                                                                                     |                                                                                                                      |                                                                                                       |                                                                                                                           |                                                                                                                              |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|  <p>Main Unit×1</p> |  <p>WiFi Antenna×1</p>              |  <p>USB Cable×1</p>  |  <p>Power Cord×1</p>                     |  <p>Blade Holder<br/>(with 45° blade)×1</p> |
|                                                                                                     |  <p>45° Blade×2<br/>60° Bladex1</p> |  <p>Pen Holder×2</p> |  <p>Rotary Wheel<br/>Creasing Tool*1</p> |                                                                                                                              |
|                                                                                                     |  <p>Felt Pad x1</p>                 |                                                                                                       |                                                                                                                           |                                                                                                                              |

## Installation



### 1. Install Paper Tray

- ①Align drawer pins and push until locked;
- ②Secure tray on mounting screws;



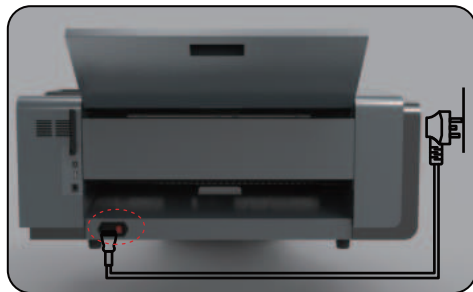
### 2. Install Tool Head

- Rotate clamp counterclockwise  
→ Insert tool vertically → Rotate clockwise to lock.



### 3. Install WiFi Antenna

Insert antenna and rotate clockwise to secure.



### 4. Power On

- ①Firmly insert the power cord connector into the power socket of the cutter;
- ②Turn on the power switch, then wait for the LED light up and the screen to activate;
- ③After the display activates, the carriage will move to the starting point and complete the initialization reset;
- ④After initialization is complete, enter main interface, machine ready for normal operation.

Note: After powering on, the carriage will enter the automatic reset process. During this time, do not touch any components, and be cautious not to place your hands inside the machine to avoid injury.

## Basic Settings

### 1.Interface Guide



#### 1.Settings

2.QR Code: Tap to execute QR code cutting;

3.U-Disk: Read and cut files stored on the U-Disk;

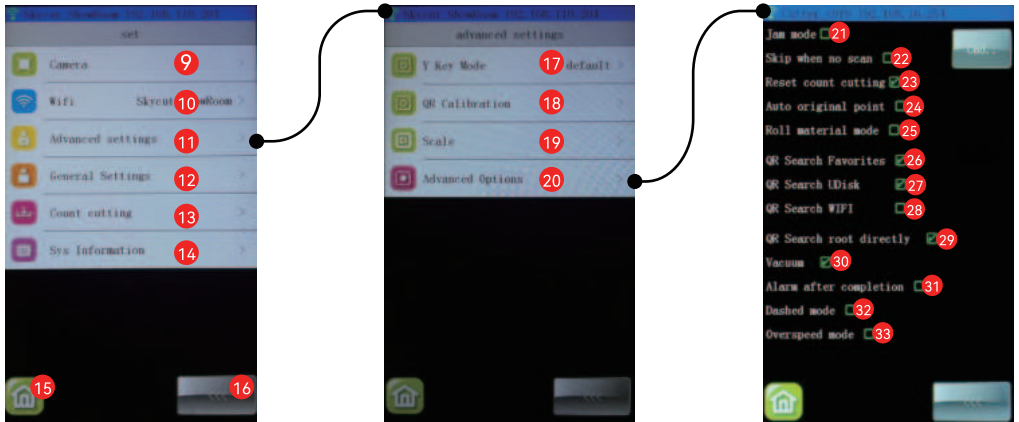
4.Stop: Click to stop cutting during the cutting process;

5.Blade Pressure: Adjust cut pressure/speed;

6.Favorites: Save up to 10 cut files locally;

7.Direction Keys: ←→ Move carriage (edge stop) ↑ ↓ Rotate rollers;

8.Pause: Pause/resume cutting;



**9. Contour Calibration:** Correct cutting misalignment;

**10. WiFi Setup:** Connect WiFi/Modify IP;

**11. Advanced Settings**

**12. General:** Language/Unit configuration;

**13. Counter:** Set and record the number of cuts;

**14. System Info:** Firmware version details;

**15. Home:** Return to main screen;

**16. Back:** Previous menu;

**17. Forward/Backward Keys**

**18. QR Position Calibration**

**19. Scaling**

**20. Advanced Options**

**21.** When enabled, lowers feeding speed without affecting cutting speed—suitable for materials sensitive to fast feeding.

**22.** When enabled, skips to the next sheet if the QR code cannot be recognized, avoiding downtime.

**23.** When enabled, auto-resets the counter when material enters for the first time.

**24.** When enabled, auto-detects Mark points on first entry—no need to click "Continue" manually (manual positioning required once beforehand).

**25.** When enabled for roll cutting, switches to roll mode—disables auto-feeding and enables batch backward cutting (excluding QR code mode).

**26.** When enabled, QR code mode retrieves files from local storage.

**27.** When enabled, QR code mode retrieves files from a connected USB drive.

**28.** When enabled, QR code mode retrieves files from a wired or Wi-Fi network.

**29.** When enabled, QR code mode retrieves files from a specific folder on the USB drive.

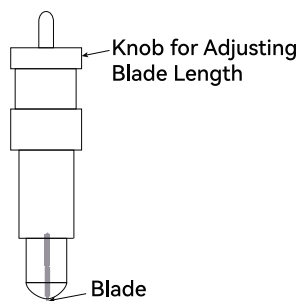
**30.** When enabled, activates negative pressure at the rubber roller to hold material in place.

**31.** When enabled, the machine gives an alert when cutting is complete.

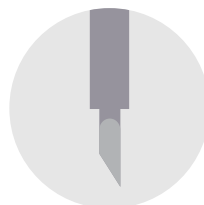
**32.** When enabled, adds tack points to prevent full cuts—ideal for sheet material to avoid parts falling into the spiked roller.

**33.** When enabled, boosts cutting speed by ~20%, with a slight decrease in precision.

## 2. Blade Adjustment

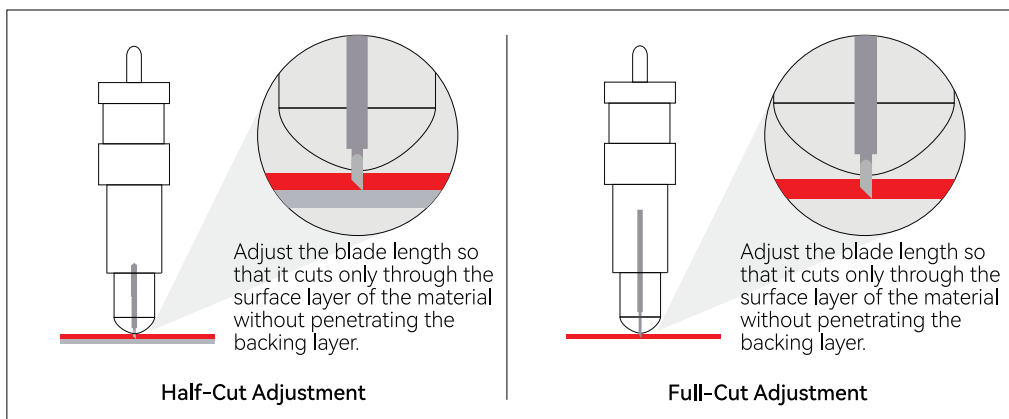


**45° Blade**  
For thin materials



**60° Blade**  
For thick materials

- ① Turn clockwise to extend the blade tip, counterclockwise to retract it.;
- ② At level 1, the blade extends about 0.1 mm; at level 15, about 1.0 mm. Each level changes the blade length by approximately 0.064 mm (theoretical value; actual length may vary due to blade wear).



For Half cutting, a 45° blade (black cap) is commonly used. For thicker materials, a 60° blade (blue cap) is recommended. **Note: Always adjust the blade length properly before setting the cutting pressure. This ensures optimal cutting results.**

### Parameter Adjustment Steps:

1. Install the blade, then rotate the adjustment knob to select a suitable level based on material thickness (refer to Half Cut and Full Cut adjustment guidelines for blade length setting);
2. Load a sheet of material and move the carriage to any undamaged area of the material;
3. Tap the Cut Pressure button on the touchscreen to enter the parameter adjustment interface, then tap Test. The machine will cut a square at the current position;
4. Check if the square can be peeled off cleanly:
  - If it cannot be removed easily or is not fully cut through, increase the cut pressure.
  - If it peels cleanly but the corners of the material are damaged, reduce the cut pressure appropriately.

### Recommended Parameter Settings(For reference only. Please adjust according to actual conditions.)

- For cutting 80g self-adhesive paper: Blade: 45°/Blade length: Level 2–3/Cut force: 20–30/Speed: Level 13;
- For cutting 250g cardstock: Blade: 60°/Blade length: Level 5–6/Cut force: 50–60/Speed: Level 8–10;

# Specifications

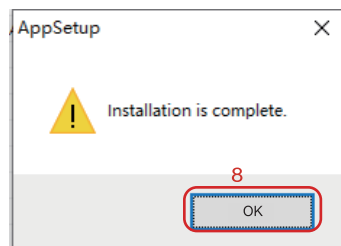
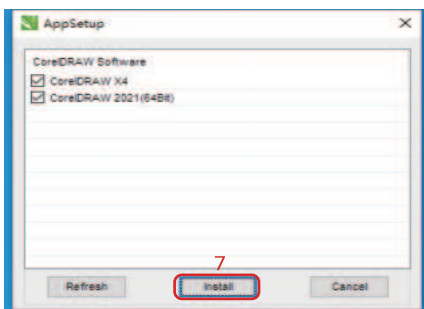
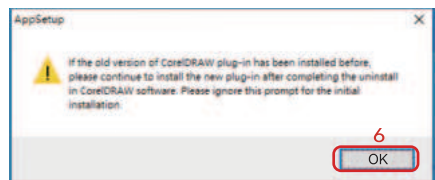
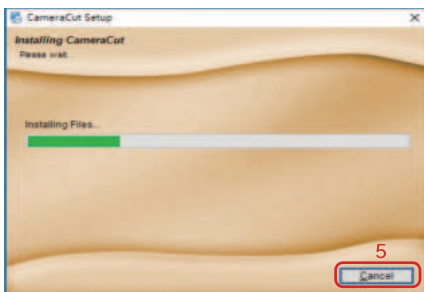
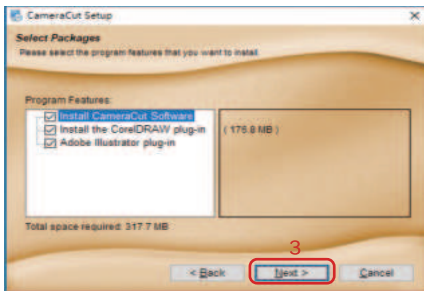
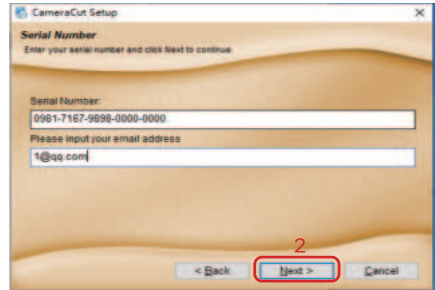
| A3 MAX5-H Specifications |                             |                                                        |
|--------------------------|-----------------------------|--------------------------------------------------------|
| 1                        | XY-axis Motor               | DC Servo Motor                                         |
| 2                        | Z-axis Motor                | Dual Voice Coil Motor                                  |
| 3                        | Control Panel               | 4-inch Touch Screen                                    |
| 4                        | Number of Carriages         | 2                                                      |
| 5                        | Blade Angles                | 45°、60°                                                |
| 6                        | Maximum Material Width      | 370mm                                                  |
| 7                        | Maximum Cutting Width       | 350mm                                                  |
| 8                        | Max Cutting Speed           | 1600mm/s                                               |
| 9                        | Max Cutting Force           | L:2000g, R:900g                                        |
| 10                       | Repeatability               | 0.05mm                                                 |
| 11                       | Cutting Accuracy            | 0.05mm                                                 |
| 12                       | Paper Feed Capacity         | 250 sheets 80g sticker (subject to material thickness) |
| 13                       | Data Interface              | Wifi,USB,Ethernet, U-Disk                              |
| 14                       | Edge Detection Sensor Type  | Camera                                                 |
| 15                       | QR Code Recognition         | Supported                                              |
| 16                       | Edge Positioning Marks      | L-corner & circular dots                               |
| 17                       | Max. Cut Material Thickness | 350g Cardstock                                         |
| 18                       | Input                       | 100-240V AC 50/60HZ                                    |
| 19                       | Rated Power                 | < 150W                                                 |
| 20                       | Operating Temperature       | 5℃— + 35℃                                              |
| 21                       | Operating Humidity          | 35% - -75%(non-condensing)                             |
| 22                       | Overall Dimensions          | 770 x 455 x 335mm                                      |
| 23                       | Net Weight                  | 39KG                                                   |

# Plugin Installation

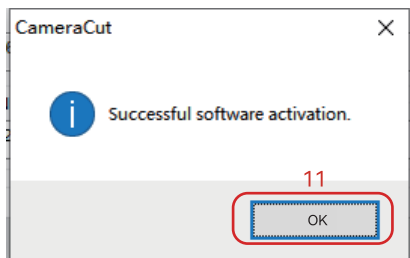
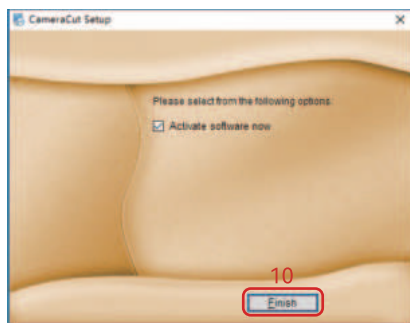
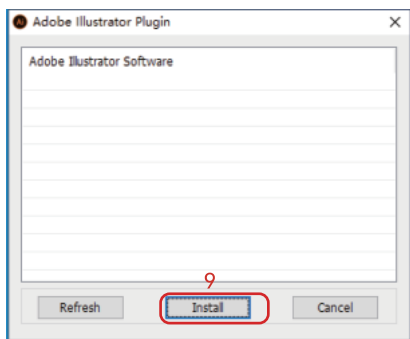
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Google Drive: <https://drive.google.com/drive/folders/1RD6k2K4JUv7Qt9pKiXKWJSgOwG6mrDf7?usp=sharing>







## Safety Precautions

- ◆ When using this product, never touch the blade tip with your fingers to avoid cuts.
- ◆ Do not touch the carriage or beam while the machine is operating to prevent injury.
- ◆ Do not use the machine during thunderstorms or lightning to avoid damage from lightning strikes.
- ◆ Do not allow liquids or metal objects to enter the machine, as they may cause malfunctions or fire hazards.
- ◆ Do not damage or arbitrarily replace the original power cord. Avoid excessive bending, pulling, bundling, or placing heavy objects on the cord, as this may damage the wiring and lead to electric shock or fire.
- ◆ Placement: The machine should be placed on a dry, clean, stable, and sturdy surface or floor. Ensure sufficient space in front of and behind the machine for safe operation (do not place objects on the machine).
- ◆ Power supply: Refer to the machine's nameplate for correct power connection (low voltage or overload may cause improper operation).
- ◆ Grounding: For safety, always use a grounded power outlet.
- ◆ Prohibited modifications: Do not disassemble, modify, or repair the machine without authorization (in case of malfunction, disconnect the power and contact a local dealer for proper resolution).
- ◆ Before installing, adjusting, or operating the machine, read the manual thoroughly to familiarize yourself with operational requirements.
- ◆ Cleaning and maintenance: Always disconnect the power before cleaning or maintaining the machine.
- ◆ This device is not suitable for use in areas accessible to children.