

JK-721 & JK-1351

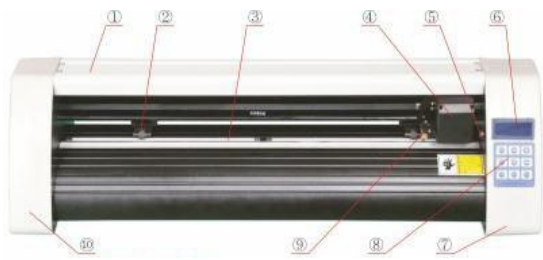
VinylCutter

USER MANUAL

7) CAUTION

- 1.** Remove all protective materials before using the machine.
- 2.** Check the label on the back or side of the machine and make sure that the power supply matches the machine's rated voltage.
- 3.** Plug the power cord into the outlet when the machine is turned "OFF".
- 4.** To avoid electric shock, do not touch the power cord with wet fingers.
- 5.** Please use a power cord and data cable approved by the manufacturer.
- 6.** Prevent metal objects and liquids from entering the machine, as this may cause a malfunction.
- 7.** To protect the machine, wait 15 seconds before restarting the computer after the power
.
- 8.** During thunderstorms, turn off and unplug the device.
- 9.** Do not replace parts yourself.
- 10.** The manufacturer reserves the right to modify the product description without notice.
- 11.** The manufacturer assumes only legal liability related to the product and is not liable for
.
- 12.** No one may copy or distribute this manual without our approval.

Main Component Introduction



PE
Type

- 1. Cover
- 2. Scroll wheel
- 3. Metal roller
- 4. Head
- 5. Reset switch
- 6. Display
- 7. Right-side cover
- 8. Control panel
- 9. Knife holder
- 10. Left side cover

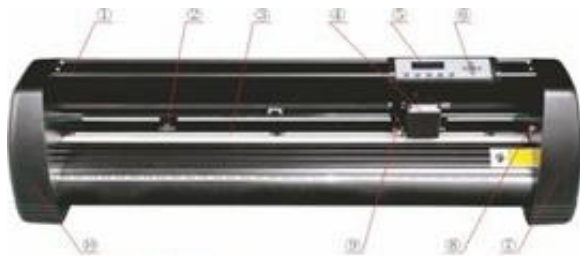


Left side



Right side

- 11. Power cord
- 12. Fuse
- 13. Power supply
- 14. USB port
- 15. Serial port



XE
Type

- 1. Cover
- 2. Roller
- 3. Metal roller
- 4. Head
- 5. Display cover
- 6. Control panel
- 7. Right-side cover
- 8. Reset switch
- 9. Knife holder
- 10. Left cover



Left side



Right side

- 11. Power cord
- 12. Fuse
- 13. Power supply
- 14. USB port
- 15. Serial port

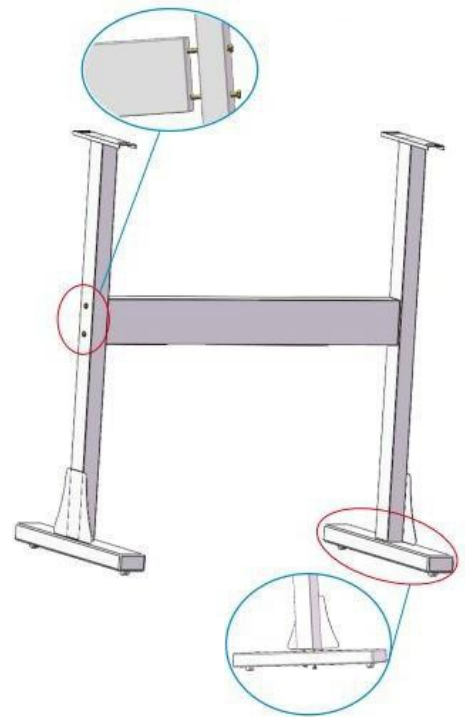
Type	721	1351
Specifications		
Max. Spreading width	720 mm	1350 mm
Max. cutting width	630 mm	1260 mm
Cutting thickness		
Speed	800 m/s	
Force	500 g	
Buffer	1-4M	
LCD	Yes	
Real-time monitoring	Support	
Interface	Serial + USB	
Repeat function	Support	
Repeatability	0.127 mm	
Mechanical resolution	0.0245 mm/step	
Command set	DMPL/HPGL	
Power supply	AC 85 V-AC 264 V	
Operating Environment	Temperature: +5°C to +35°C Humidity: (30%-50%) No condensation	

Accessories and assembly diagram

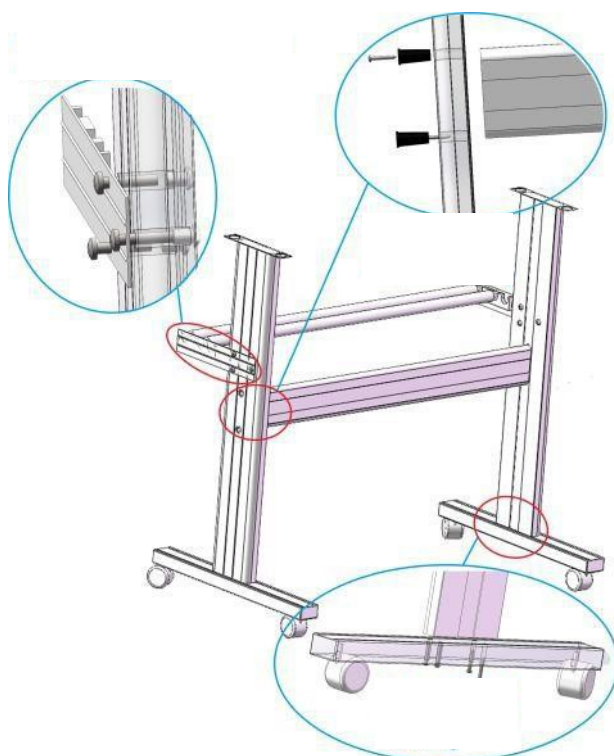
Accessories:

	Name	Quantity	Note:
1	Power cable	1	
2	Knife	1	
3	Blade holder	1	
4	Pencil case	1	
5	Pen	1	
6	Serial cable	1	
7	USB cable	1	
8	Allen wrench	1	
9	USB driver	1	The manual includes
10	Mounting screw	1	Option
11	Dust cover	1	Option

Schematic diagram of the iron stand

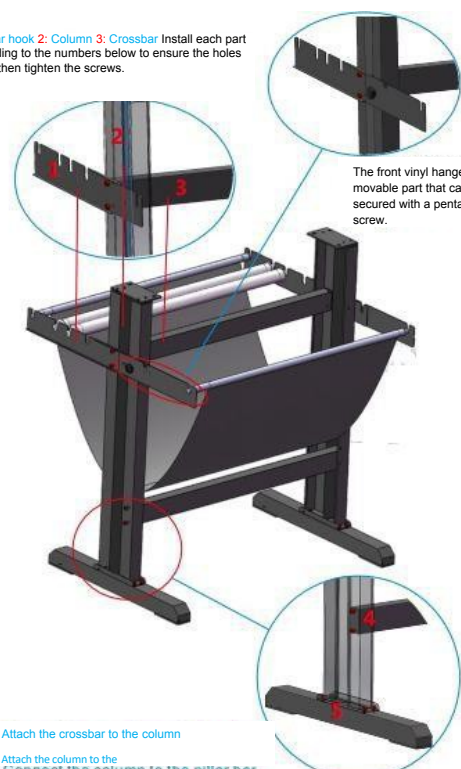


Aluminum stand map frame



XL stand map frame

1: Rear hook 2: Column 3: Crossbar Install each part according to the numbers below to ensure the holes align, then tighten the screws.



4: Attach the crossbar to the column

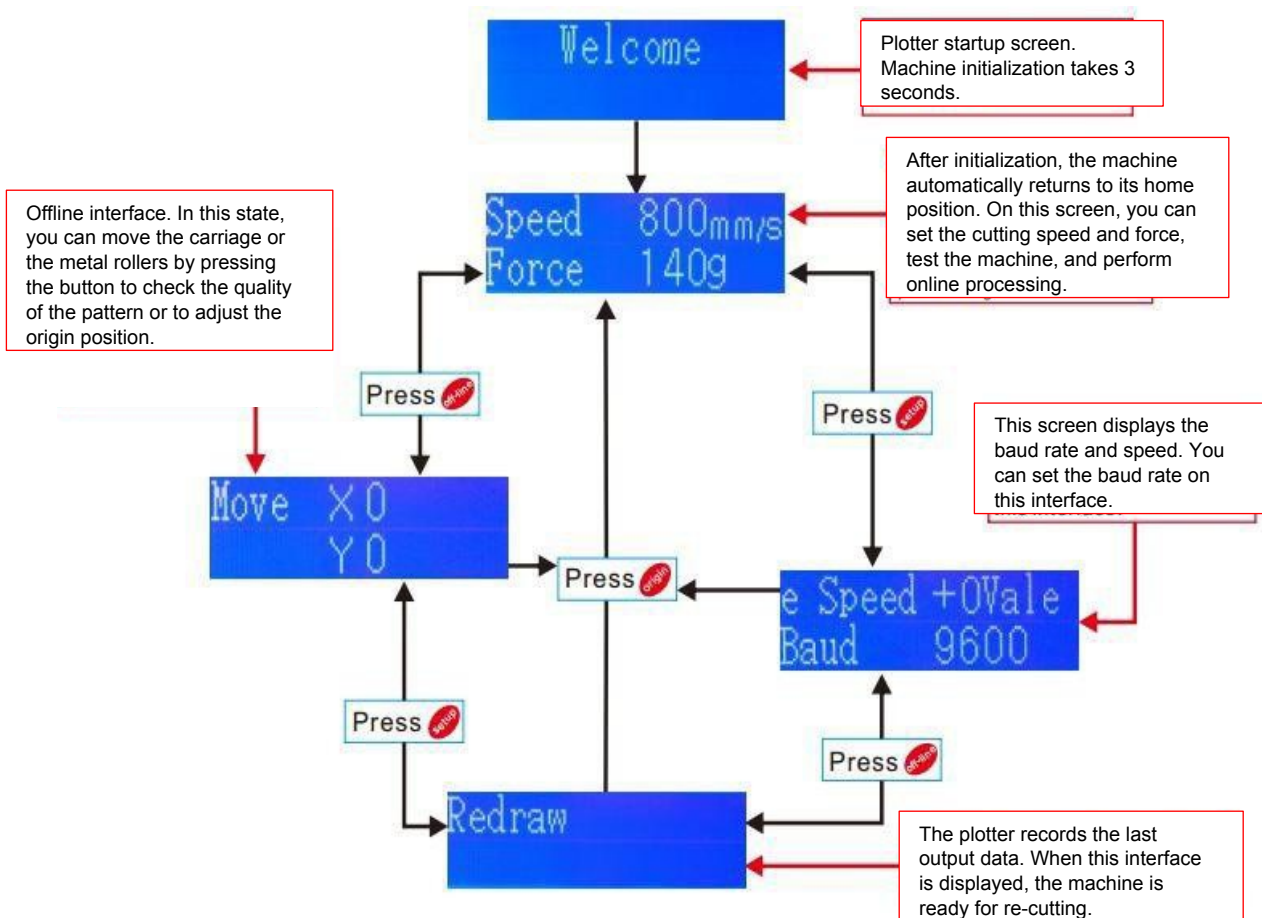
5: Attach the column to the

5: Connect the column to the pillar bar

Operating the machine

1. Place the device on a flat surface and connect it with a grounded cable. Make sure there is enough space around the machine.
2. Turn on the device; the LCD will light up, the head will move to the right, the metal roller will move back and forth, and the machine will be ready for use.
3. The blade console will rise after power-up. Now press the "origin" button; the blade console will drop. Release the button, and it will rise again. This indicates that the machine is functioning properly.
4. Press the "Option" button; the yellow indicator light will turn on. Press the "◀" or "▶" button to move the cart. Press the "▼" or "▲" button to move the metal cylinder; pressing the "▼" and "▲" buttons simultaneously activates the self-test program.

LCD and CONTROL PANEL



1. Switch the screen to this interface




1. The machine can connect to the computer through this interface.
2. Set the cutting force and speed; press the "◀" or "▶" button to adjust the cutting force; press the "▼" or "▲" button to adjust the cutting speed.
3. Press the "Move" button, and the machine will cut the ☒ " " pattern onto the vinyl, and check that the pressure and blade are appropriate.

2. Switch the screen to the offline interface  ; the yellow indicator light will turn on.

1. Locate the origin manually, press the "◀" or "▶" button to move the carriage. Press the "▼" or "▲" button to move the metal roller, and stop at the next point. To find the ideal position, press the "origin" button to align with the origin. Pressing the "option" button undoes all previous movements.

3. Switch the interface to the track speed screen (); the green indicator light will be on.

1. To set the baud rate, press the "◀" or "▶" button to set the baud rate to "9600",

4. Turn the interface to the "Redraw"  address; the green and yellow indicator lights will both turn on.

1. Activate the redraw function: while the redraw screen is displayed, press the "origin" button to start the redraw process.

5. Pause function

1. If an emergency occurs during the processing period and a pause is required, press the "option" button to stop the operation; the yellow indicator light will illuminate.

Press the "option" button again to exit the current state.



KNIFE

Caution

Do not touch the tip of the blade with your finger, as it can easily cause injury.

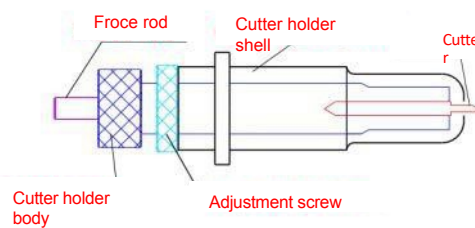


1. Place the knife in the knife holder.

(External view)

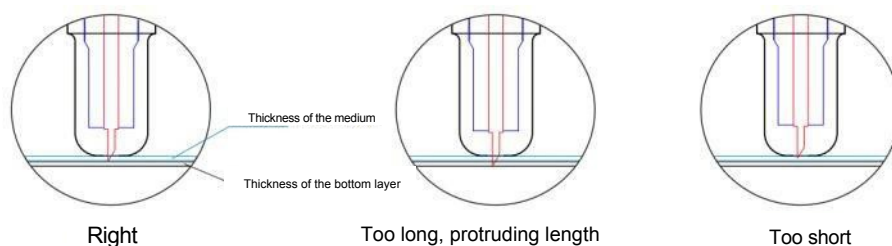


(Exploded view)



2. Adjustment

Loosen the adjustment screw and turn the screw to adjust the protrusion length according to the thickness of the material.



3. When replacing the blade, press the blade holder.

4. Place the blade holder in the carriage holder.

- (1) Loosen the locking screw
- (2) Insert the blade holder.
- (3) Tighten the screw



MATERIAL Placement

1. The placement of the roller depends on the material

The machine has two or four rollers and can be moved along the rail. Lift the handle and move the back of the roller to the correct position.

The roller should be 10–50 mm away from the edge of the material.

2. Feed material

(1) Lift the handle.

(2) Make sure there are no rollers under the white mark in the center.

(3) Place the fabric in position, then press down on the handle.

(4) Press the option button to move the material forward and backward, and watch the edge of the material on the measuring plate. If the material drifts to the right during movement, lift the right-side roller. Push the material back a little, then press the handle down again. Adjust the material several times until it is in place.

TESTING

1. Testing the machine

Before processing, we must perform a "test" to check the knife pressure. Press the "option" button (the yellow indicator light turns on), and while holding it down, press the "▼" and "▲" buttons; the pen/knife will draw/cut a

"" pattern on the vinyl.

2. Adjusting the pressure

On the LCD display, a high value indicates high pressure. A low value indicates low pressure. Set the value according to the thickness and whether the material is soft or hard. If the pressure is too low, the vinyl will not be cut out. If the pressure is too high, it may cause the pattern to deform or be incomplete.

3. Ensure that the bottom of the blade is always in contact with the vinyl surface; the ideal extended length of the blade tip is 2/3 of the material thickness to avoid cutting through the backing layer.

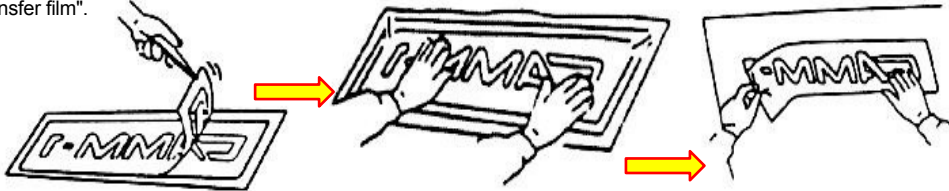
4. Use much less pressure when using the pen holder.

5. To achieve the best cutting force, repeat the testing process after starting, or change the material.

TRANSFERRING THE SAMPLE

The cutting process is complete:

1. Cut out the pattern with a knife.
2. Use tweezers to peel off the unwanted part. (To make peeling easier, place a rectangle of paper around the sample.)
3. Apply "transfer film" to the entire pattern and smooth it out (to reduce wrinkles and bubbles).
4. Peel off the "transfer film" with the pattern on it, stick it in the right place, and peel off the "transfer film".



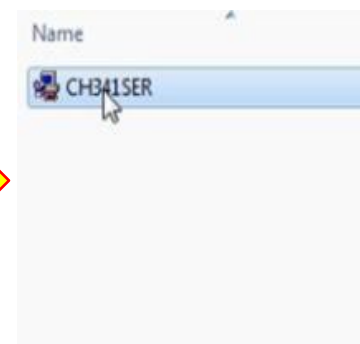
5. After finishing, unload the material; carefully wipe the blade holder clean; turn off the machine, unplug the power cord; cover the machine with a dust cover.

APPENDIX 1 USB DRIVER INSTALLATION

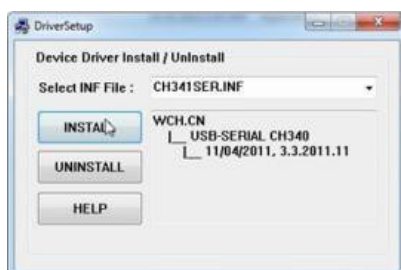
1. Open MY DISC → Open the USB Windows Driver folder



- and double-click the



2. Click **INSTALL** → Click **OK**



- Exit the installer.

