CE5000 SERIES SETUP MANUAL

This Setup Manual describes the procedures required for setup. For operation procedures and details on how to make the settings, and for any other points that are not clear, please refer to the "CE5000 User's Manual" PDF files that are included in the CD-ROM provided with the CE5000 plotter.

* Windows® and Windows XP® and Windows Vista are registered trademark of Microsoft Corporation in USA and other countries.
* Adobe Reader and Adobe Illustrator are trademark of Adobe Systems Incorporated.

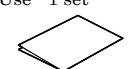## 1. Check the content

1. Check the content
2. Following accessories are attached to the plotter. Refer to the list and check the accessories.

☐ Plotter - 1 unit	☐ Stand - 1 assembly
☐ Power cable/USB cable - 1 of each	☐ Cutter plunger - 1 set
☐ Cutter Blade (CB09UA) - 1 set	☐ Water based fiber pen - 1 set
☐ User guide CD-ROM - 1 set	☐ Media Cutter - 1 set
☐ Setup Manual (this manual) - 1 set	☐ Note on Use - 1 set

2. Prepare the connection cable

Note : The RS-232C cable is an option.

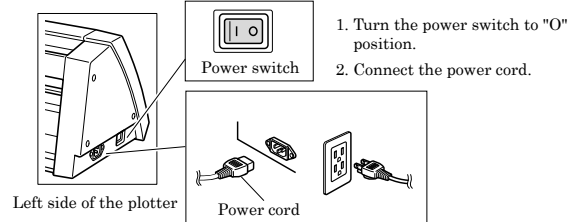Connect the plotter to PC with one of the following cables.
☐ RS-232C (Serial port)
☐ USB cable

Select the cable according to the specification of the application software or the availability of the communication port on your PC. Use Graphtec-recommended cable for reliable operation.
If you plan to use the ROBO Master-Pro software and the Cutting Plotter Controller, use the USB cable to connect the plotter to your computer.

3. Connect the power source

Note : Remove all transportation tapes.

Power switch
1. Turn the power switch to "O" position.
2. Connect the power cord.

Left side of the plotter   Power cord

4. Install the software

Note: This manual explains the case of Windows XP.
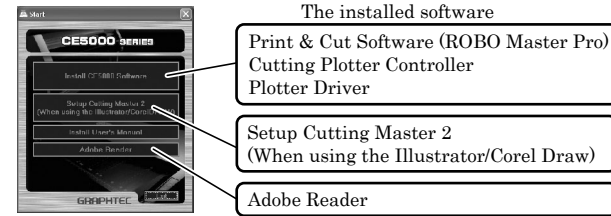The explanations concerning the plotter driver are for Windows XP and Windows Vista.
Computer administrator rights are required for users to install or use this software.
Note: If you are using Macintosh, read "README" file in the English folder of attached CD-ROM.

A-1 Launch Windows, then insert the User guide CD-ROM into the CD-ROM drive of the PC.

Note : At this stage, do not connect the plotter to the PC.

A-2 A little later, the start window is displayed. Press "Install CE5000" button to install the software and driver.

The installed software
- Print & Cut Software (ROBO Master Pro)
- Cutting Plotter Controller
- Plotter Driver

Setup Cutting Master 2
(When using the Illustrator/Corel Draw)

Adobe Reader

Note : If it is not displayed, press START menu of the Windows, then select the Run.
Select [CD-ROM] : \MultiSetup.exe and press OK button.
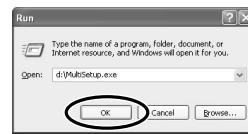
Note: If you are using the Windows98SE/Me, press START menu, the select the Run. Then select [CD-ROM]:\English\Drive\DSETUP.exe and press the OK button.
Note: In case of the Windows98SE/Me, it is compatible with the CE5000 driver, so skip to the section D-1.

A-3 Follow the installation wizard.

Note : If "Software License Agreement" is displayed, check the description. If you agree to the License agreement, press the Yes button.

Install CE5000 Software

Print and Cut software (ROBO Master Pro)

Install the Print and Cut software (ROBO Master Pro) according to the instruction on the screen.
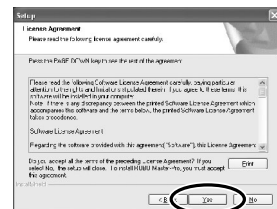
Note : The ROBO Master Pro works only when installed to Windows 2000/XP/Vista using the USB interface.

Note: The ROBO Master Pro is an application software which has easy-to-use drawing function and has a function to output to the CE5000 and printers.
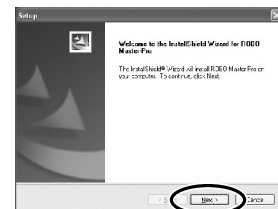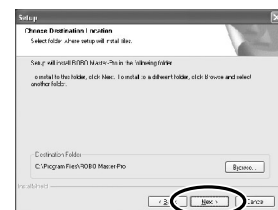
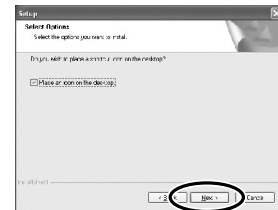B-1. Press the Next button.   B-2. Press the Yes button.
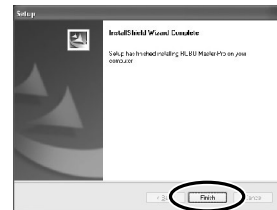
B-3. Press the Next button.   B-4. Press the Next button.

B-5. Press the Next button.   B-6. Press the Finish button.
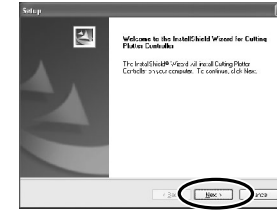

Cutting Plotter Controller

Install the Cutting Plotter Controller according to the instruction on the screen.
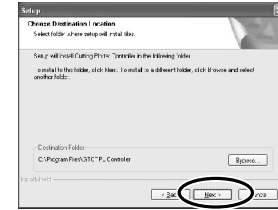
Note : The Cutting Plotter controller works only when installed to Windows 2000/XP/Vista using the USB interface.

The Cutting Plotter Controller is a software which enables to control major functions of the CE5000 from PC.
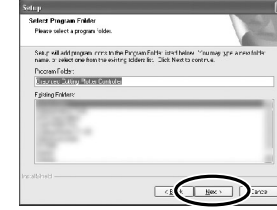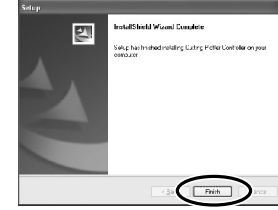
C-1. Press the Next button.   C-2. Press the Next button.

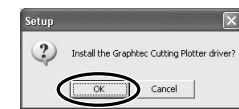C-3. Press the Next button.   C-4. Press the Finish button.

Plotter Driver

When using Windows XP

Install the driver software according to the instructions on the screen.
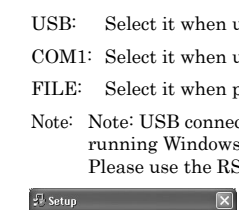
D-1. Press the OK button.   D-2. Confirm that the CE5000 is not connected with thePC, then press the OK button.

D-3. Press the OK button.

D-4. Select the port then press the OK button.

USB: Select it when using the USB cable.
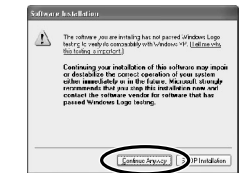COM1:   Select it when using the RS-232C (Serial) cable.
FILE: Select it when plot data is output to a file.

Note: Note: USB connection is not guaranteed for computers running Windows 98 SE.
Please use the RS-232C (serial) connection instead.

D-5. Press "Continue anyway" button.   If specified port isn't available on the PC, the following window is displayed and the distination port is changed to "File".

Specified port cannot be found. The port for installation will be changed to File.

D-6. Press the OK button.

In case of COM1 and FILE connection,   In case of USB connection,

Graphtec Cutting Plotter driver installation completed.   Graphtec Cutting Plotter driver installation completed. Please connect the Graphtec Cutting Plotter to the power outlet.

Note: If the connection is COM1 or FILE the installation process is complete.
To install Cutting Master 2 go to step A-4, otherwise go to step A-5.

In case of USB connection,

Note : E-2 and E-4 may not be displayed on certain computers.

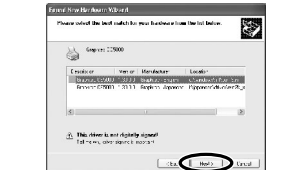E-1. Connect the CE5000 and the PC using the USB cable, then power on the CE5000.   E-2. Select "No, not this time", then press the Next button.
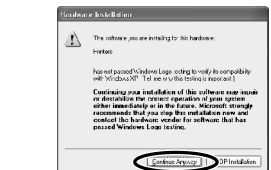
Found New Hardware
Graphtec CE5000

E-3. Select "Install the software automatically (Recommended)" then press the Next button.   E-4. Press the Next button. Install the item which is selected as a default.

E-5. Press "Continue Anyway" button.   E-6. Press the Finish button.

When using Windows Vista

If you are using Windows Vista, please refer to the separate instruction sheet for the plotter driver installation procedure.

To install Cutting Master 2 go to step A-4, otherwise go to step A-5.
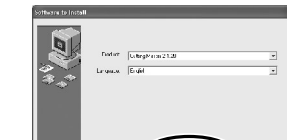
Setup Cutting Master 2

Note : If you use the Illustrator 8 or 9 for Macintosh, please read "Plug in for Illustrator.pdf".

A-4 Press "Setup Cutting Master 2" button on the Start window.
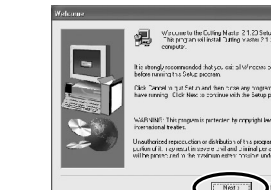(Refer to A-2 and A-3)

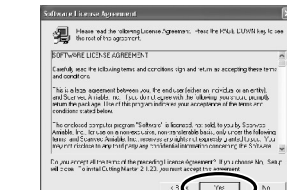F-1. Select the language that you wish to use and then press the OK button.   F-2. Select the language of the Cutting Master 2 and then press the Next button.
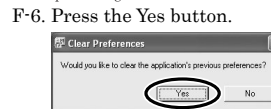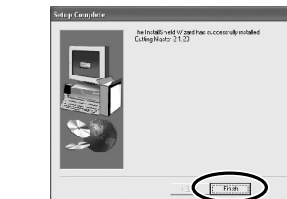
F-3. Press the Next button.   F-4. Press the Yes button.

F-5. Follow the instructions displayed on the screen and then press the Next button.
(The screens that are displayed may differ according to the operating system. Check the contents of each screen before proceeding with the installation.)   F-7. Press the Finish button.

F-6. Press the Yes button.

Clear Preferences
Would you like to clear the application's previous preferences?

A-5   A-6 Press the Exit button.

Install Adobe Reader

The Adobe Reader is necessary to read attached users manual.
If the Adobe Reader is not installed in your PC, press "Adobe Reader" to install it.

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CE5000 SERIES
Installing the Plotter Driver
## (Windows Vista Edition)

When using Windows Vista

The [User Account Control] window may appear during the installation procedure. If you have logged in using a standard user account, you will be asked to enter the administrator account password. Have it ready beforehand. If you have logged in using an administrator account, permission to continue will be required.

Connecting via USB

Note: Depending on the environment used, the window shown in Step UV-2 below may not be displayed.
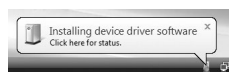
UV-1. Use the USB cable to connect the CE5000 to your computer. When the power to the CE5000 is turned on, the following window is displayed. Click [Locate and install driver software (recommended)].
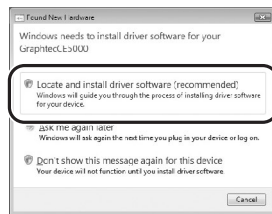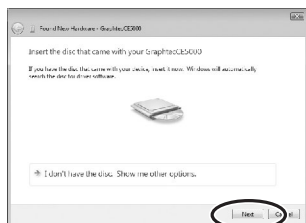
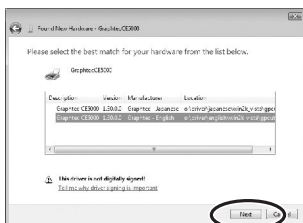UV-2. If the following window is displayed, press "Don't search online".
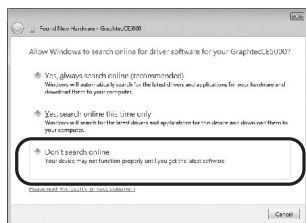
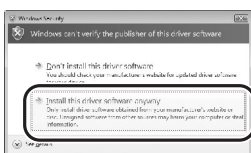UV-3. The following message is displayed. Do not click on it - simply wait.
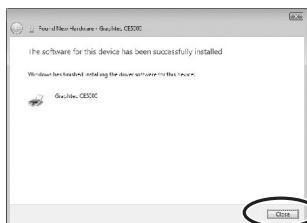
UV-4. Press the Next button.

UV-5. Select "Graphtec CE5000" opposite [Graphtec - English] displayed under "Manufacturer" and then press the Next button.

UV-6. Press "Install this driver software anyway".

UV-7. Installation of the driver software has been completed. Press the Close button.

Connecting via RS-232C

Note: These instructions assume that you are using the COM1 port.

RV-1. When installation of the Cutting Plotter Controller has been completed, a Help window to assist you in installing the driver is displayed. If you are connecting via the RS-232C interface, close this Help window.
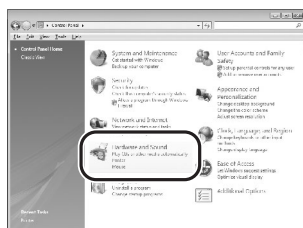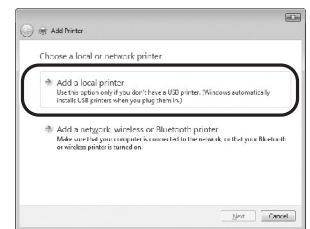
RV-2. Select [Control Panel] from the [Start] menu and then click [Printer] in the [Hardware and Sound] group.

RV-3. Press "Add a printer" button.
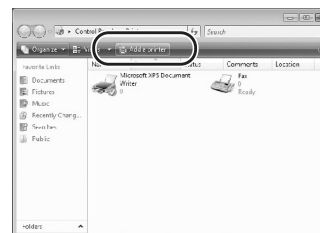
RV-4. Press "Add a local printer" button.

RV-5. Select COM1:(Serial Port) from [Use an existing port] and then press the Next button.
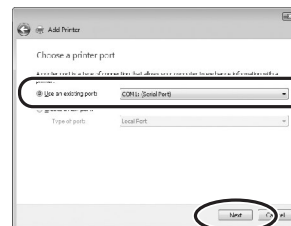
RV-6. Press "Have Disk..." button.
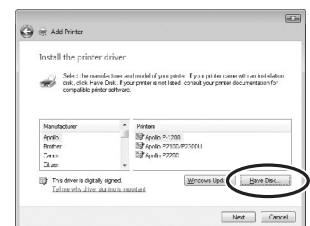
RV-7. Press " Browse..." button.
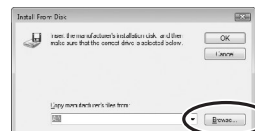
RV-8. Select [GPCUT.INF] from the [CD-ROM]:\Driver\English\WIN2K_VISTA folder and then press the Open button.
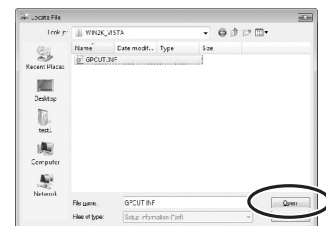
RV-9. Press the OK button.
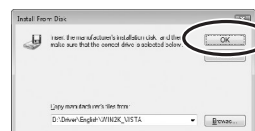
RV-10. Select [Graphtec CE5000] and then press the Next button.
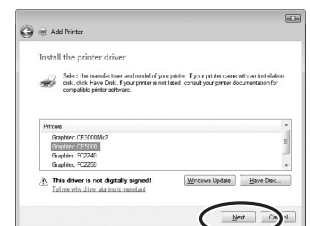
RV-11. Press the Next button.

RV-12. The installation starts. Press "Install this driver software anyway" button.
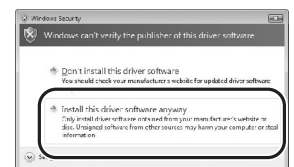
RV-13. Installation of the driver software has been completed. Press the Finish button.

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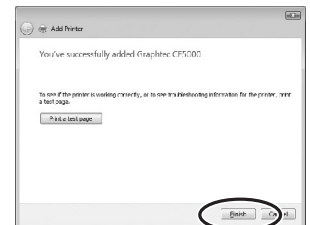
CE5000 SERIES OPERATION MANUAL

Caution
To avoid bodily injury, always handle the cutter blade with caution.

1 Preparing the cutter blade and the cutter pen plunger

Cutter pen plunger

Cutter blade

Insert the cutter blade

Adjusting the cutter blade length

Extend the blade   Extract the blade

Guide of the cutter blade length

Too short   Right   Too long

the media with backing sheet

2 Mounting the cutter pen plunger

Mount

Loosen

Flange

Flange

Pen bracket

Pen bracket
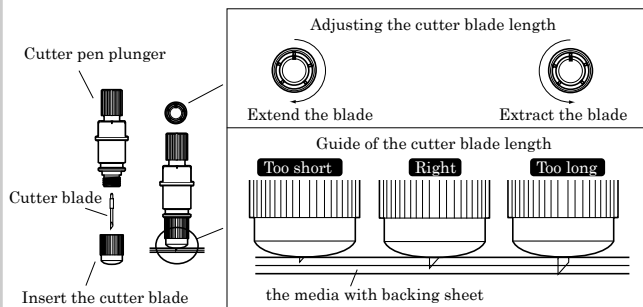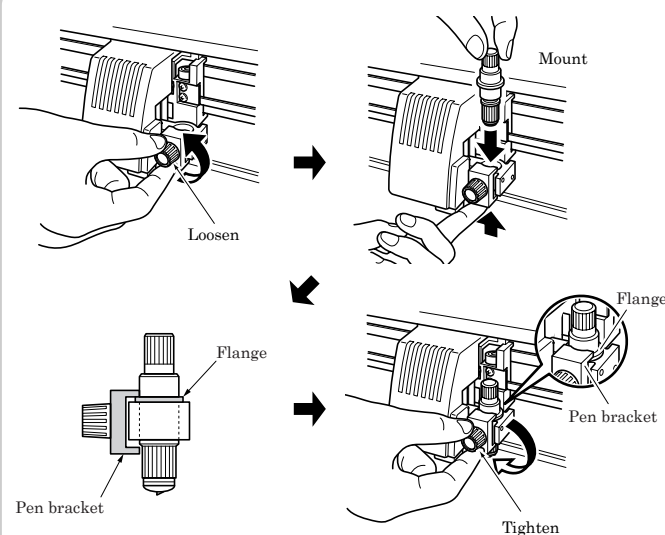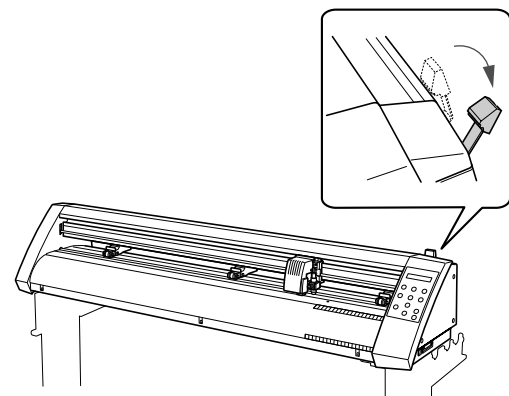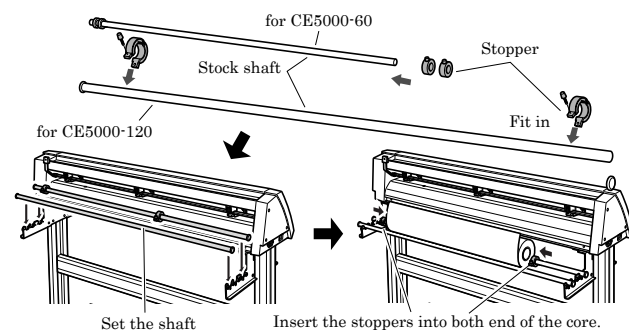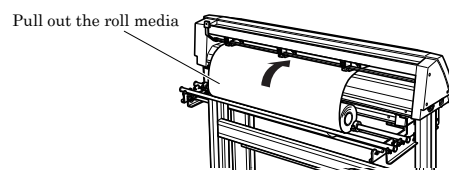
Tighten

3 Loading the media

1. Lower the set lever

---

2. Setting the roll media stand

for CE5000-60

Stock shaft

Stopper

Fit in

for CE5000-120

Set the shaft

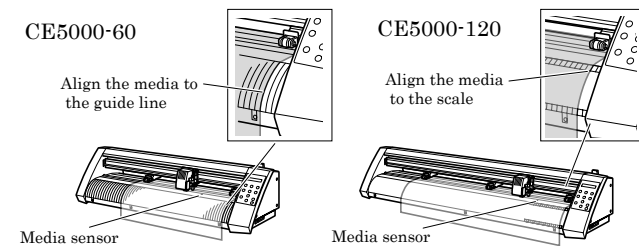Insert the stoppers into both end of the core.

3-1. Pull out the roll media and pass through the CE5000 (in case of roll media)

Pull out the roll media

3-2. Pass the sheet media through the CE5000 (in case of sheet media)
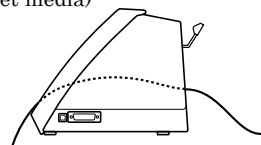
4. Align the media with the CE5000

CE5000-60

Align the media to the guide line

CE5000-120

Align the media to the scale

Media sensor
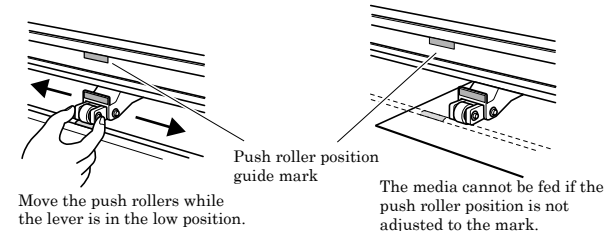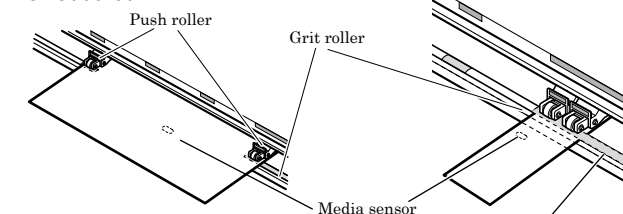
Media sensor

5. Adjust the push roller position

Adjust the position of the push rollers to the push roller position guide mark

Push roller position guide mark

Move the push rollers while the lever is in the low position.

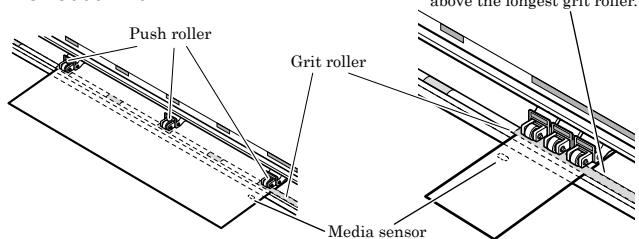The media cannot be fed if the push roller position is not adjusted to the mark.

Make sure to position the media so it covers the media sensor.

CE5000-60

Push roller   Grit roller

Media sensor

If loading narrow media, position both push rollers above the longest grit roller.

CE5000-120

Push roller   Grit roller

Media sensor

---

6. Adjusting the media

Raise

Provide slack in the media

Roll media   Sheet media
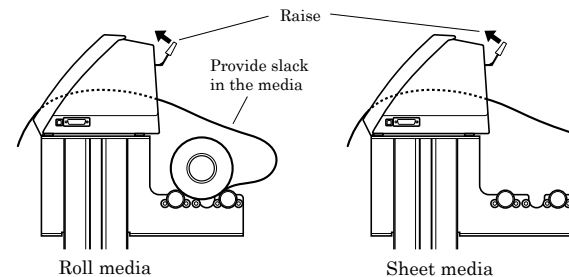
4 Turn on the cutting plotter

Press the "|" side of its power switch

5 Select the media mode

Select media mode using arrow keys.

ENTER
Press the ENTER key to start media size detection.

When using a sheet media.

SHEET PRESS ENTR

Origin point

When using a roll media and setting the origin point to the top of media.

ROLL1 PRESS ENTR

Origin point

When using a roll media and setting the origin point to the current setting position.

ROLL2 PRESS ENTR

Origin point

6 Setting the cutting conditions

POSITION
Move the cutter pen to the position where you wish to initiate the test.

1 PEN   12 30 2

COND.
Press the COND. key.

Select the setting condition number.

COND.No. TOOL OFFSET FORCE SPEED QUALITY
2 09U   0 14 30 2

If you wish to use the 09U as a standard accessory, the default setting condition is saved in the condition number 2.

Move the cursor

COND.No. TOOL OFFSET FORCE SPEED QUALITY
1 09U   0 14 30 2

Select a blade

COND.No. TOOL OFFSET FORCE SPEED QUALITY
1 09U   0 14 30 2

Set FORCE, SPEED and QUALITY with reference to the table below.

Move the cursor

A rough guide of the setting

Material	Thickness(mm)	Blade	Cutting force	Speed	Quality
Outdoor vinyl	0.05 to 0.08	CB09UA	10-14	1-30	2
↑ (for small size character cutting)	0.05 to 0.08	CB15UB	10-14	1-20	1
Film for decoration	0.08 to 0.1	CB09UA	14-17	1-30	2
Transparent/translucent film	0.08 to 0.1	CB09UA	14-20	1-30	2
Reflection film	0.08 to 0.1	CB09UA	14-20	1-30	2
Fluorescent film	0.20 to 0.25	CB09UA	20-21	1-20	1
Fluorescent film	0.20 to 0.25	CB15U	20-21	1-20	1

Adjust the cutting force so that the cutting trace lightly appears on the media liner.

COND.No. TOOL OFFSET FORCE SPEED QUALITY
1 09U   0 14 30 2

TEST
Press the TEST key

Caution: Be sure to keep your hands, hair, and face away from the moving parts.

Check the corners of the triangle.

PRESS ENTER KEY

ENTER
Press the ENTER key
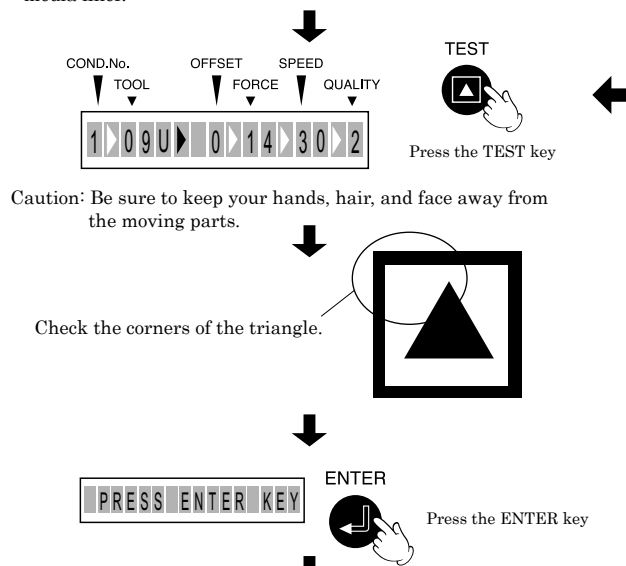
Move the cursor to adjust the offset value, repeat the adjustment until the result becomes proper.

Too much

COND.No. TOOL OFFSET FORCE SPEED QUALITY
1 09U -1 14 30 2

In this case, decrease the offset value.

Too little

COND.No. TOOL OFFSET FORCE SPEED QUALITY
1 09U +1 14 30 2

In this case, increase the offset value.

Proper

ENTER

Corners are cut properly.   Press the ENTER key to finish.
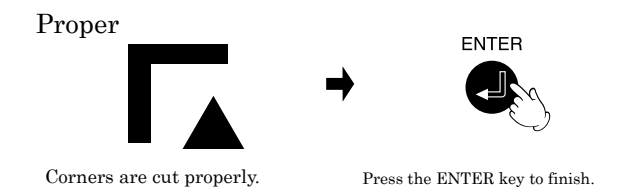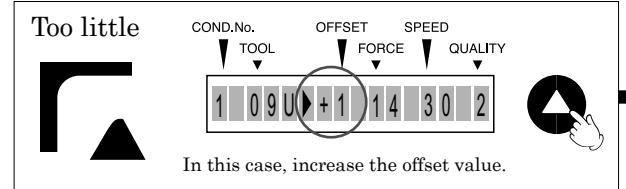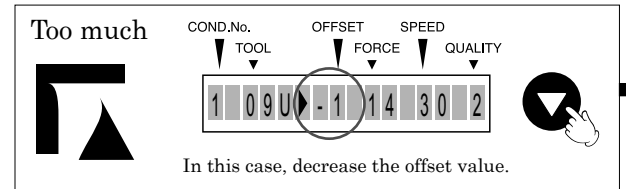
If the ENTER key is pressed, then the setting conditions are stored into the memory.