USER MANUAL



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1. Important Information

Thank you for purchasing our cutting plotter.

Before you use the cutting plotter, please make sure that you have read the safety precautions and instructions below.

Notes, Cautions, and Warnings





Δ CAUTION

Do not place the cutting plotter in below places:

- A place exposed to direct sunlight.
- On an inclined surface.
- A place where temperature or humidity varies significantly. Use the plotter under the following environmental conditions: Operating environment: 20 to 35°C 35 to 65% (Rh)
- A place that vibrates.
- A place exposed to direct air flow from an air conditioner or the like.
- Around a place where flame is Used.

For blade

- Do not touch the cutter blade, which is very sharp.
- Do not shake or swing the cutter holder; otherwise, the blade may come off.

Be careful with the movable parts

• During an operation, do not touch any of the moving parts of this machine (such as the carriage). Also be careful to make sure that clothing and hair do not get caught.

Sheets

• Straighten the sheet of media, if significantly curled, before using it for printing. Heavily curled sheet affects the cutting (plotting) result.

Always put the pinch rollers within the red marks.

Keep the tools away from children where they can reach.

Always connect the power cable to a grounded outlet.

2. General Information

2.1 Introduction

Our cutting plotters have been designed to produce computer-generated images or perform contour cutting on sheets or rolls of vinyl media.

This manual covers the following models of TH/TS cutting plotters:

•TH 740 for media width: 50mm(1.97") ~ 770mm(30.3")

•TH 1300 for media width: 50mm(4.7") ~ 1270mm(50")

2.2 Package Items

The package of the contents the items listed below, please check carefully. If you find any item missing, please consult your local dealer for further assistance

ltem	Parts	Qty	Annotation
1	Warranty card	1	
2	Power cable	1	
3	USB cable	1	
4	Serial cable	1	
5	Blade holder	1	
6	Blade	3	
7	Pen holder	1	
8	Resource CD	1	User Manual,FTDI_USB Driver,Artcut driver,AutoCAD plugin, CorelDraw_Plugin 5.0,PDF reader,Scale Calculator
	Optio	al Item	
9	Stand	1	
10	M5*45	16	
11	M5*8	8	6
12	M4*8	12	\$
13	Washer	16	O

2.3 View

2.3.1 Front view



- 1 Steel axes
- 3 Roll holder
- 5 Power switch
- 7 Pinch roller

- 2 Carriage
- 4 AC power connector
- 6 Control panel
- 8 Stand (optional)

2.3.2 Left and right view



2.3.3 Control panel



- 1 power light
- 4 info status zone
- 7 Menu button
- 10 Menu button
- 13 X,Y origin button
- 16 X Leftward button
- 19 Pause button
- 22 Repeat cutting button
- 25 X Leftward button

- 2 set up light
- 5 X Rightward button
- 8 Enter button
- 11 Test button
- 14 X Rightward button
- 17 Y Backward button
- 20 Reset button
- 23 X,Y origin button
- 26 info status zone

- 3 operate light
- 6 Frontward button
- 9 Pause button
- 12 Enter button
- 15 Y Frontward button
- 18 Repeat cutting button
- 21 Test button
- 24 Y Backward button

3. Set up your cutting plotter

3.1 Stand (optional)





Must use M4*8 screws to fix the cutting plotter to the stand.

3.2 Connect your cutting plotter

3.2.1 Connect the AC cable

Connect the AC cable to the AC connector on the plotter and to the electrical outlet.

3.2.2 Connect the USB cable (optional)

If you want to use the USB cable, you have to install the USB driver.

① Insert the CD that came with your cutting plotter and connect USB cable, power on the appliance, the computer will find new hardware, as below:



- ② Click "Next", the computer will search CD for USB driver automatically.
- ③ Then the system will finish installing automatically



④. Click "Close"



⑤. If driver was installed successfully, You can find a new port in **Device Manager**, shown as below



if you want to modify the default port No. of USB driver, just right-click port (COM3) as shown above, and select "**Properties**" in context menu. Then set the "**Bits per second**" and "**Flow control**" as below:



Then select "Advanced...",

VI Use FIFO buffers (requ	ires 16550	compatible UAR	(1)				ОК
Select lower settings to	correct co	nnection probler	ns.				Cance
Select higher settings f	or faster pe	formance.					
Receive Buffer: Low (1)	r	1		— Q	High (14)	(14)	Default
Transmit Buffer: Low (1)	-		1	-0	High (16)	(16)	

Select the Port Number. that you want to modify, then press "OK"

CAUTION: The "Bits per second" must be set as "38400".

3.2.3 Connect the RS-232 cable (optional)

When you want to connect the RS-232C cable, you must observe the following notes

NOTE: (1) When connecting the cables, turn off first the power to the device and that to the host computer which the power cable is to be connected.(2) Do not plug in or unplug any cable during data transferring.

3.3 Blade installation

Figure 3-1 and 3-2 are the drawings of the blade holder.





Figure 3-1 How to install a blade



(1) Remove the blade sheath by rotating it.

- (2) insert the blade into the hole of the blade handle.
- (3) Adjust the blade tip to suitable length by rotating the adjusting knob and blade sheath clockwise or count-clockwise.







The length of blade is not enough

The length of blade is too long

NOTE: The suitable length means the blade's length is adjusted 0.1mm more than film's thickness and it can completely cut through the film layer yet avoid penetrating the base paper.

3.4 Blade holder installation

Install the blade holder into the tool holder of the carriage, press the brim of the blade holder against the tool holder.rotate the knob of the tool holder clockwise and surely fix it.

NOTE: Fix the tool holder firmly. If not, accurate and high-quality cutting will not be achieved.

3.5 loading a sheet

Either a piece of sheet or a roll of sheet can be loaded on the plotter.





Figure 3-3



- (1) Lift the lever to rise the pinch rollers. (see Figure 3-3)
- (2) Load the sheet and slide to under the pinch rollers form either the front side or backside. The alignment ruler on the platen will help you to adjust the sheet precisely.
- (3) Slide the pinch rollers manually to the proper position. Be sure the pinch rollers must be positioned above the steel axes. The red mark on the top trail will remind you where the steel axes are.
- (4) Press the lever to lower down the pinch rollers.(see Figure 3-4)

NOTE: If you want to cutting a sheet without a reversed adhesive paper (like a pasteboard), You should use a sticker sheet under it.

CAUTION: Move the pinch roller by applying force at the rear portion of the pinch roller support. Do not move it by holding its front rubber roller.

4. Basic Operations

4.1 Pressure Test

It will help you to know the conditions of the blade.

Test Press the or button, Appliance will cut a rectangle which shown as above, Check if the rectangle can be completely teared off or not in order to make sure the right pressure and the length of the blade tip



NOTE: When the cutter blade is worn and dull, you can use it temporarily by enhancing the value of PRESSURE. However, you are recommended to replace the worn cutter blade with a new one to ensure a satisfactory cutting quality.

4.2 Pressure and Speed



which F100 is pressure, V500 is speed.

-X	F100	+ X	ir
-Y	V500	+Y	"

n

4	^	
	21	
•	<u> </u>	

/			
Dura	or 🔨	Decrease the pressure	Once for 5 Min is 5
Pressure	► or +X	Increase the pressure	Once for 5 Max is 500*
Speed	or -Y	Decrease the speed	Once for 25 Min is 50
Speed	or +Y	Increase the speed	Once for 25 Max is 500

(3) After adjusting the Pressure or Speed, press

Enter or

to save the settings.

4.3 Languages and Baud rate

English X



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NOTE: To ensure it works, the baud rate of cutter must be the same as the software on computer.

4.4 X, Y axis scale



which SX0 is the proportionality factor of X axis; SY0 is the proportionality factor of Y axis. Factor default is 0, if there is an error in the plotter, You can adjust them.

(2)

Y ovio	or -X	Decrease proportion of X axis
A axis	► or +X	Increase the proportion of X axis
Vavia	or -Y	Decrease the proportion of Y axis
Y axis	or +Y	Increase the proportion of Y axis



NOTE: The value of the axis scale depends on the actual situation.

4.5 Distance between red dot and pen



e	-X	Dx 0	+X	
	- Y	Dy0	+ Y	

(2) Fix the sheet and pen, and press the pen manually to make a dot on the sheet.



	-X	Dx Set	+X
;	-Y	Dy Set	+ Y

(4) Press 4 arrow Keys , , , , to move the red dot to the center of the dot just



4.8 Cutting from FLASH

The plotter has a built-in FLASH, Every file sent by computer will be saved in the built-in FLASH automatically. If it powered off, the file will not be lost, you can reuse it for cutting and no need to be sent by computer again.

Enter will continue processing the last working file. (2) Press or 4.9 Cutting from U disk The plotter can cut a file from U disk, the format of the file should be .PLT. (1) Copy the .PLT format file to U disk, Insert the U disk into the plotter. X U Disk -X Repeat (2) Press goes to the interface -Y Work ? I:Name х - X Enter (3) Press goes to the interface 0:ABC (4) Press to locate the file you want to use, it will display the file name Enter (5) Press starts working. or 4.10 Times of repeat cutting and Speed optimizing When you cutting files from FLASH or U disk, you can set the times for repeat cutting Copy:1 + X Menu (1) Press or button goes to the interface Y Optimi:0 +Y Decrease the times of repeat X or cutting Numbers of Copy

Optimal Values	
or +Y Increase the optimized value	

Optimized Value	Conditions of Use	
0	Cutting common material	
1	Cutting a small roll of material	
2	Cutting a big roll of material	
3	Cutting thick and hard material. e.g. reflective film	

NOTE: The default is 1 time, Max is 500 times.

4.11 Restore to factory default setting

In interface $\begin{array}{|c|c|c|} -x & F100 & +x \\ \hline -Y & V500 & +Y \end{array}$, press or **Origin**, the settings will be

restored to factory default settings.

4.12 Blade and Laser test

different functions which are described as below:

Times of press	Interface	Operation	Result
1	-X X Clear? +X -Y Y Clear? +Y		X,Y coordinate value will be cleared
2	-X XGoLaser? +X -Y YGoLaser? +Y	Press or	Carriage will change from blade to red dot
3	-X XGoKnife? +X -Y YGoKnife? +Y	Julion	Carriage will change from red dot to blade

5. Advanced operations

5.1 Cut in FlexiSTATER Edition

- (1) Install the software
- (2) After finishing the installation, run the **Production Manager**, Click "Setup"->"Add setup...".

(3) Select the names of brand and model upon your plotter, and click "Next"

What is	aevice s the brand name of your vinyl cutter?	
	Teneth	
What is	s the model name of your Teneth?	
	TB-1300 -	
	TB-1300	
1.2	TB-1300L TB-740	
	TB-740L TH-1300	
	TH-1300L	
	TH-740 TH-7401	
	TS-1300	
	TS-1300L TS-740	
	TS-740L	

(4) Set parameters as below:

anat do you want to call your h	ew setup?	
TH-740L		
Now is your TH-740L connected t	o your computer?	
COM3	3	▼ Bro <u>w</u> se
Bits per second:	38400	•
Data bits:	8	•
Parity:	None	•
Stop bits:	1	•
Flow control:	Hardware	•
Hardwires 🗖	DTR TRTS T	DCD
-	DOD IN CTC	

(5) Click "Finish".

CAUTION: The port you select in Flexi must be the same as the port in "**Device**

Manager" of your operating system.

5.2 Cut in ARTCUT

(1) Click "Device" in "Set Engraver/Router's Output" window

et Engraver/Router's Output	<
Device Tapath TH740	ן
]
Vinyl Size Page Size Start position _ Output Potio.	1
[User Defi Vidth 400 Left 0 100% V	
Width: 1200 Height 200 Top: 0 Sort Plotting Cut/Plot	
Height: 3000 Preview Γ □ Δ Σ □ Dash line	
Plot Area Copies	
Page 1 - Margins Save paper V Numbers 1 -	
Area 1 V Plot by Colors Horz Interval 0 ÷	
Joint Umm	

(2) It will display the "Install Sign-maker" window,

tall Sign-maker		
Manufacturers	Device Model	
CUT 🔺	Teneth TH740	Add
COGI	Teneth TH1300 Teneth TH1600	
WEIKE	Teneth TS740	Setup
AIP	Teneth TS1300 Teneth TS1600	
Rheinstern	Teneth TB740	
24CUT YiFan	Teneth TB1300 Teneth TB1600	
Helitin		Even Die
xinyuan Teneth ▼		From Dis
Tretallad Davias	,	
Teneth TH740		Remove
		Close
,		

(3) Click "From Disk",

ē	17 7	? ×
e E	查找范围(I): 🧰 Artcut_Driver 🔽 🗢 🗈 💣	
é di	Tutter. cfg	
ĺ		
1		
) 文件名 (M): Cutter.cfg 打:	πω
	文件类型 ①: Cfg Files(*.cfg)	 阪消
	又件类型 U): Cfg Files(*. cfg)	以消 //

(4) Select "ARTCUT driver" -> "Cutter.cfg" file in CD

Manufacturers	Device Model	
CUT COGI COTEK WEIKE AIP HIGHLIGHT Rheinstern 24CUT	Teneth TH740 Teneth TH1300 Teneth TH1600 Teneth TS740 Teneth TS1300 Teneth TS1600 Teneth TB1600 Teneth TB740 Teneth TB1300	Add Setup
YiFan Helitin xinyuan Teneth Installed Device	Teneth TB1600	From Disk
Teneth TH740 Teneth TH740		Remove
		Close

- (5) Select "Teneth" for Manufacturers; Select appropriate model for Device Model, and then click "Add".
- (6) Set port in the "Serial Port Setting" tab of the "Device Setup" window as below.

Device Setup	×
Vinyl PageSize setting Command set	
Serial Port Setting Ploter Compensation	
Port: coml 💌 Baud Rate: 38.4k 💌	
Data Bits: 8 💌 Check: None 💌	
Stop Bits: 1	
Sequential Control: DTR/DSR	
XON/XOFF	
RTS/CTS	
确定 取消 Add Change	

(7) Then you can use the ARTCUT software to work.

5.3 Output from CorelDraw

Your plotter supports output from CorelDraw, before that you should install a plug-in for the software.

5.3.1 Install plug-in

(1) Find the CorelDraw_Plugin 5.0 folder from the CD that shipped with your plotter

Double click "setup" to install it

Click "Next".

Click"Install.

Click "Finish" to finish installation.

(2) Find the "CutterPro_5.0.gms" and "printer_th" in the CorelDraw_Plugin 5.0 folder, and copy them to the GMS folder of Corel DRAW by following the path: Corel->"CorelGraphics12"->"Draw"->"GMS",

Organize 👻 Include	in library 🔻 Share with 🔻 Slide sl	now Burn Compatibility	files »		
🔆 Favorites	Name	Date modified	Туре	Size	
🧮 Desktop	CalendarWizard.gms	2003/10/17 16:56	GMS File		422 KB
Downloads	CutterPro_5.0.gms	2012/5/14 13:57	GMS File		18 KB
🗘 Dropbox	FileConverter.gms	2003/10/17 16:56	GMS File		251 KB
归 Recent Places	🖶 printer_th	2012/4/14 16:54	Icon		5 KB
 Documents ♪ Music ■ Pictures ♥ Videos ● 迅雷下载 ♥ Computer 					
Local Disk (D:)					
Network					

(3) Run CorelDraw to add plug-in by the following ways: Click "Tools"-> "Customization..." -> "Commands"-> "Macros".

Display Edit Snap to Objects Dynamic Guides Warnings VBA Save Memory Display GlobalMacros.CorelMacri GlobalMacros.CorelMacri	General 🔺	Commands		
Text Toolbox Command B Commands Color Palette Application Document Global	Display Edit Snap to Objects Dynamic Guides Warnings VBA Save Memory Plug-Ins Text Toolbox Customization Command B Commands Color Palette Application cument bal	Macros General Shortcut Keys Ap Tooltip Help: GlobalMacros.Cutter.Cu GlobalMacros.CorelMacro GlobalMacros.CorelMacro	ipearance	

(4) Click "Appearance"->"Import"->"Files..." Select "printer_th.ico" file, and drag the icon to toolbar of the CorelDraw software.

General	•	Commands
 Display Edit Snap to Objects Dynamic Guides Warnings VBA Save Memory Plug-Ins Text Toolbox Customization Command B Commands Color Palette Application 	4 m	Macros General Shortcut Keys Appearance CalendarWizard.Wizard. Caption GlobalMacros.Cutter.Cutter GlobalMacros.Cutter.Converter Image Size GlobalMacros.CorelMacro Small Pen Color Transparent Image Image Undo/Redo Image Transparent Image Image Image Image Image Image

Now you can use the plug-in.

5.3.2 How to use

(1) Finish a file with CorelDraw

(2) Click the icon on the toolbar, it will pop up a "HPGL Export" dialog box.

en Page	Adva	nced	
Scaling Op	tions		Plotter Origin
Scale: 100.0 ♣ %			O Page center
) Fit to p	age		Ø Bottom left
Page			Orientation
Page size:	Custom 👻		A O Portrait O Landscape
Width:	8.5	inches	
Height:	11.0	inches	Plotter units: 1016

Select "Page" tab, and set the Plotter Origin as "Bottom Left", Plotter units as "1,016".

In "Advanced" tab, select "millimeters" for cutting smoothly.

en Page	Advance	d		
Fills Simulated Fil	. (None	•	Remove hidden lines
Sindiated his	. (inone.		Automatic weld
Line spacing	2 ₁₀	.005	inches	No width or velocity commands
Line angle:		.0 14	degrees	
Second Line	angle: [90.0	degrees	
Curve resolu	tion			
.5	millime	eters	•	

Click "**OK**", it will display a output dialog box:

Port: COM1	•	Status:	0	byte
🔽 Knife Offset	0.25	mm		Start
🔽 Overcut	0.25	mm		Save . PLT

(3) Select the appropriate port and baudrate upon the plotter connected and set the value for the **Sharp Angle** and **Close**. Then click "**Start**" to do the task.

NOTE: You can also click "**Save .PIt**" to save the file to the computer, or copy it to a SD card or U disk for using on the plotter offline.

5.4 Output from AutoCAD

5.4.1 Add a plotter

(1) Click the main menu-> "Print" -> "Manage Plotters"

(2) It will display "Plotters" window, double click "Add-a-Plotter Wizard".

名称	修改日期	类型	大小	
📕 Plot Styles	2011/5/19 22:15	文件夹		
PMP Files	2011/5/19 22:15	文件夹		
🗊 Add-A-Plotter Wizard	2011/5/19 22:14	快捷方式	1 KB	
Default Windows System Printer	2003/3/3 19:36	AutoCAD Plotter	2 KB	
DWF6 ePlot	2004/7/29 2:14	AutoCAD Plotter	5 KB	
DWFx ePlot (XPS Compatible)	2007/6/21 9:17	AutoCAD Plotter	5 KB	
DWG To PDF	2008/10/23 8:32	AutoCAD Plotter	2 KB	
PublishToWeb JPG	1999/12/7 20:53	AutoCAD Plotter	1 KB	
PublishToWeb PNG	2000/11/21 23:18	AutoCAD Plotter	1 KB	
	名称 Plot Styles PMP Files Add-A-Plotter Wizard C Default Windows System Printer DWF6 ePlot DWFx ePlot (XPS Compatible) DWG To PDF PublishToWeb JPG PublishToWeb PNG	 各称 修改日期 Plot Styles 2011/5/19 22:15 PMP Files 2011/5/19 22:15 Add-A-Plotter Wizard 2011/5/19 22:14 Default Windows System Printer 2003/3/3 19:36 DWF6 ePlot 2004/7/29 2:14 DWFx ePlot (XPS Compatible) 2007/6/21 9:17 DWG To PDF 2008/10/23 8:32 PublishToWeb JPG 1999/12/7 20:53 PublishToWeb PNG 2000/11/21 23:18 	名称修改日期类型● Plot Styles2011/5/19 22:15文件夫● PMP Files2011/5/19 22:15文件夫⑦ Add-A-Plotter Wizard2011/5/19 22:14快速方式☑ Default Windows System Printer2003/33 19:36AutoCAD Plotter☑ DWF6 ePlot2004/7/29 2:14AutoCAD Plotter☑ DWF6 ePlot (XPS Compatible)2007/6/21 9:17AutoCAD Plotter☑ DWG To PDF2008/10/23 8:32AutoCAD Plotter☑ PublishToWeb JPG1999/12/7 20:53AutoCAD Plotter☑ PublishToWeb PNG2000/11/21 23:18AutoCAD Plotter	各称修改日期美型大小▶ Plot Styles2011/5/19 22:15文件夹▶ PMP Files2011/5/19 22:15文件夹♥ Add-A-Plotter Wizard2011/5/19 22:14快速方式♥ Default Windows System Printer2003/3/3 19:36AutoCAD Plotter♥ DWF6 ePlot2004/7/29 2:14AutoCAD Plotter♥ DWF6 ePlot2007/6/21 9:17AutoCAD Plotter♥ DWF or PDF2008/10/23 8:32AutoCAD Plotter♥ PublishToWeb JPG1999/12/7 20:53AutoCAD Plotter♥ PublishToWeb PNG2000/11/21 23:18AutoCAD Plotter

(3) It will display the following dialog box, click "Next".

(4) Select "My Computer", and then click "Next".

Ny Computer					
All settings will be configured by an Autodesk Heidi plotter driver, and managed by this computer.					
🔘 Network Plotter Server					
All settings will be configured by an Autodesk Heidi plotter driver, and managed by a plotter server.					
💿 System Printer					
Jse a configured Windows system printer driver, and apply different default values for AutoCAD 2010 vs. other Windows applications.					

(5) Select "Hewlett-Packard" for Manufacturers and "Generic SHPGL" for Models, and then click "Next".

Begin Network Plotter System Printer	Select your plotter manufacturer and model. If your plotter isn't listed, consult your plotter documentation for a compatible plotter.					
Flotter Model Select Driver Import Pcp or Pc2 Ports Plotter Name	Optionally, if you have an installation disk containing an HDI driver, choose Have Disk. A Browse for HIF File dialog box is displayed for you to locate and install the HIF file attached to the HDI driver. Manufacturers Models					
FINISA	Autodesk ePlot (DWFx) Autodesk ePlot (PDF) CalComp Hewlett-Packard		braftPro Plus C3171A braftpro-DXL (7575A) braftpro-EXL (7576A) Generic LHPGL	^		
	Raster File Formats Xerox		eneric SHPGL			
	This model is supporte	ed by }	PGL - by Autodesk Inc.	Have Disk		

(6) Click "Next" in following dialog box.

Add Plotter - Import Pcp	or Pc2
Begin Network Plotter System Printer Plotter Model Select Driver Import Pcp or Pc2 Ports Plotter Name Finish	To import plotter specific information from a previously saved PCP or PC2 file, choose Import File. Paper size, plot optimization level, network share names, and port names can be imported into the new PC3 file. Import File NOTE: Use the Add Plot Style Table wizard to import pen assignment information. Use the Import PCP/PC2 Settings wizard to import PCP or PC2 page setup information.
	<上一步(B) 下一步(B) > 取消

(7) Select "Plot to File", and then click "Next".

Begin Network Plotter System Printer Plotter Model Select Driver	Plot to a pop Plot to File AutoSpool The following is a list of all ports available for the currently configured device. All documents will be plotted to the port you					
Import Pep or Pe2	Port	Description	Printer			
Ports Plotter Name Finish	COM1Local PortCOM2Local PortCOM3Local PortCOM4Local Port					
	<u>C</u> onfigure	Port <u>W</u>h system ports and o	at is AutoSpool disable I/O port ve	а 		

(8) Enter a name for plotter, and then click "Next".

Begin Network Plotter System Printer Plotter Model Select Driver Import Pan or Po2	The model name you selected is the default plotter configuration name. You can accept the default name, or enter a new name to identify the new FC3 file you have created. The name you apply will be displayed in the Page Setup and Plot dialog boxes.
Ports	Plotter Name'
Plotter Name Finish	ТН-740Ц
	Note: If you enter a name that is exactly the

(9) Click "Edit Plotter Configuration" to set the parameters.

Begin Network Plotter System Printer Plotter Model Salest Duiver	The plotter TH-740L has been installed with its default configuration settings. To modify the default settings, choose Edit Plotter Configuration.
Import Pcp or Pc2 Ports Plotter Name Finish	Edit Plotter Configuration Optionally, to perform a plot calibration test on the newly configured plotter, and verify that your drawing measurements plot accurately, choose Calibrate Plotter
	<u>C</u> alibrate Plotter

(10) Select "Custom Paper Sizes", and click "Add...".

eneral Por	ts Device	and Document :	Settings	
Phy Phy Gra Cus Use	Source and S sical Pen Com phics tom Propertion tialization S r-defined Pap Custom Paper Modify Stand Filter Paper Plotter Calij	ize ≪Src: Man nfiguration es Strings per Sizes & Ca <mark>Sizes</mark> ard Paper Siza Sizes bration	nual_Feed><#; alibration es (Printable	idth: Manua' e Area)
1				-
	PMP File Nam	e (None)		•
Custom Pa	PMP File Nam III per Sizes	e (None>		×
Custom Pa	PMP File Nam III per Sizes	e (None)		►
Custom Pa	PMP File Nam III per Sizes	e (None)		Add Dele <u>t</u> e
Custom Pa	PMP File Nam III per Sizes	e (Hone>		<u>A</u> dd Dele <u>t</u> e <u>E</u> dit

(11) Select "Start from scratch", and then click "Next".

ustom Paper Siz	e - Begin
▶ Begin Media Bounds	• Start from scratch
Printable Are	a Vse <u>e</u> xisting
Paper Size	Select from the list of paper sizes.
File name Finish	ANSI A (11.00 x 8.50 Inches) -
<u></u>	<上一步 (B) 下一步 (B) > 取消

(12) Enter the appropriate value for Width and Height according to your plotter, and click "Next".

Begin Media Bounds Printable Are Paper Size	The current pap create a new pay then select Incl aavailable for r	er size is per size, hes or Mil aster form	: 11.00 x 8 adjust Wid limeters. ats.	.50 Inches. th and Heigh Pixels are o	To t, nly	
File name						
Finish						
	<u>W</u> idth 630	.a.	l'review -			
	<u>H</u> eight 2000	×.				
	<u>U</u> nit: Millime	te: 🔻				

(13) Enter the value for the non-printable area, and then click "Next".

Begin Media Bounds	The Previe based on t modify the	w tile indi he currentl non-prints	cates the prints y selected paper ble area. adjust	ble area size. To Top. Bottom.	
Printable Are	aNOTE: Most	drivers ca	lculate printabl	.e area from a	
Paper Size	specific m	easurement	away from the ed	lge of the	
File name	measure pr	e univers, intable are	a from the actua	l edge of the	
Finish	paper. Ver	ify that yo	ur plotter is ca	pable of	
	Tob : 0	×.	Preview	·	
	B <u>o</u> ttom O	×	į	Ξi	
	$\underline{L}eft$: 0		1	≣!	
	<u>R</u> ight 0	* *			

(14) Enter a Paper Size Name, and then click "Next".

Begin Media Bounds Printable Are Paper Size	The displayed default information indicates the paper size you are creating. Enter a new name to identify the paper size. The new paper size name awill be added to the list of custom paper sizes listed in the Plotter Configuration Editor.
File name Finish	TH-740L (630.00 x 2000.00 MM)

(15) Enter a PMP File Name, and then click "Next".

Custom Paper Siz	e - File name
Begin Media Bounds Printable Are Paper Size ▶ File name Finish	The new paper size will be stored in a PMP (Plotter Model Parameters) file. Enter a name for the PMP file you are saving. a PMP <u>F</u> ile name : TH=7401
	<上一步 (B) 下一步 (B) > 取消

(16) Click "Finish".

Begin Media Bounds Printable Are	You have created a new paper size named TH-740L (630.00 x 2000.00 MM) . Select the source to which you want to apply the new paper size. a
Paper Size	
File name Finish	Paper Cassette
	<u>f</u> rint test page

5.4.2 How to output

(1) Finish the file that you want to output.

	3-		AutoCAD 2010	Drawing1.dwg	
Home Mesh Modeli	ing Render Insert A	Annotate Param	netric View Ma	nage Output Expre	ss Tools 🛛
Sphere Extrude Smc Obj	Image: booth ject Image: booth geodesical state Image: booth g	⇒ <u>à</u> /·% ~/©·⊟ ⊖□©-∰		Section Plane	Vo Filter Move Gizmo
Modeling 🕶 🛛 M	1esh 🎽 Solid Edit 🔻	Draw 🔻	Modify 🕶	Se 🕶 🖌 View 🕶	Subobject
Advanced R	-Global				

(2) Click main menu -> "Print".

AutoCAD 2010 Drawing1.dwg
rametric View Manage Output Express Tools 📼
% .
Modify • Se • ¥ View • Subobject

(3) Select the plotter and paper size that you just set (See <u>P32-5.4.1</u>), and select "Plot to file" checkbox and "Custom" for Scale. Then click "Preview", If It can't plot normally, please modify the settings, and finally click "OK".

Plot - M	odel	(1)	arn about Plotting
Page setup		0 🖻	aniabout Piotung
N <u>a</u> me:	<none></none>	•	Add
Printer/plot	tter		
Na <u>m</u> e:	图 TH-740L. pc3	▼	Properties
Plotter:	Generic SHPGL -		k →
Where:	File		
Description	n:		18.7.
V Plot to	file		Ĺ
Paper size		Ni	umber of copies
TH-740L	(630.00 x 2000.00 MM)	•]	1
Plot area		Plot scale	
What to p	lot:	Fit to paper	
Display	•	Scale: Custom	•
Plot offset	(origin set to printable area)	1	[inches ▼] Ξ
<u>X</u> : 0.45	4724 inch Center the plot	25.4	units
<u>Y</u> : -0.53	37402 inch	Scale ļi	neweights

(4) Select the location that you want to store and enter a name for the file, then click "Save".

in: OS (C:)	• 🗗	Ca, 🗙 💾 🛛 <u>V</u> iews	▼ Tools
名称		修改日期	类型
🔒 Apps		2011/4/6 19:21	文件:
🔒 DELL		2011/4/15 23:10	文件:
🔒 Drivers		2011/4/6 21:47	文件
🔒 ksDow	nloads	2011/4/17 22:09	文件
📕 🚺 Maxtho	onRecycle	2011/4/15 22:55	文件:
🔋 🐌 new_go	łząim	2011/4/17 21:48	文件
🔒 PerfLog	js.	2009/7/14 11:20	文件
🔰 Progra	m Files	2011/5/19 22:13	文件:
🔋 🔋 Progra	m Files (x86)	2011/5/15 14:35	文件:
📙 Progra	mData	2011/5/19 22:23	文件
📙 Sprint		2011/5/10 20:28	文件
	WNI OAD	2011///15 22-//7	☆/4.
File <u>n</u> ame:	Drawing1-Model.PLT	-	<u>S</u> ave
Files of type:	Plot File (*.plt)	_][Cancel

(5) Run the AutoCAD output software in Resource CD

Port:	-	Baudrate:	38400 💌
Status: Por	t Closed		
File:			Browse.
		3	
Start	Save as	Cancel	Close

- (6) Select the appropriate Port and Baud rate,
- (7) Click "Browse..." to locate the .plt file you just saved.

Port:	•	Baudrate:	38400 💌
Status: Por	rt Closed		
File: C:V T	\Users\Tommy\Deskt	op\Drawing1-Model.	PL Browse.
i.		0	Class

(8) Click "Start" to do the task or click "Save as..." to save the file to a SD card or U disk.

5.5 Output from Adobe Illustrator

NOTE: This Plugin only support Adobe Illustrator CS4 or above version.

5.5.1 Install the plugin

(1) Find Ai_Plugin 5.0 folder in CD:

🔆 🔾 🗢 📕 🕨 English	▶ Resource CD ▶ Ai_Plugin 5.0		9.9		
Organize 🔻 Include	in library 🔻 Share with 👻 Bu	rn New folder			
🚖 Favorites	Name	Date modified	Туре	Size	
🧮 Desktop	🚢 CutterAi.aip	2012/5/14 13:34	Adobe Illustrator	556 KB	
🚺 Downloads	🗊 setup.exe	2012/5/14 14:07	Application	1,433 KB	
💔 Dropbox					
💹 Recent Places					
🛤 Liburation					
Documents					
Music					
Pictures					
📑 Videos					
📄 迅雷下载					
🜏 Homegroup					
📳 Computer					
💒 OS (C:)					
👝 Local Disk (D:)					
💼 Local Disk (F:)					
🖾 金山快盘					

(2) Find the "CutterAi.aip" in Ai_Plugin 5.0 folder, and copy it to "plug-ins" of Adobe Illustrator CS4 by following the path: "Program Files" -> "Adobe" -> "Adobe Illustrator CS4" -> "Plug-ins":

igunize ope	n with Burn New folder			
Favorites	Name	Date modified	Туре	Size
🥅 Desktop	🔒 Extensions	2012/2/9 12:10	File folder	
鷆 Downloads	Illustrator Filters	2011/12/30 19:00	File folder	
💔 Dropbox	Illustrator Formats	2011/12/30 19:00	File folder	
📃 Recent Places	Photoshop Effects	2011/12/30 19:00	File folder	
	Photoshop Filters	2011/12/30 19:00	File folder	
📔 Libraries	Photoshop Formats	2011/12/30 19:00	File folder	
Documents	JING	2011/12/30 19:01	File folder	
👌 Music	I Text Filters	2011/12/30 19:00	File folder	
E Pictures	👪 Tools	2011/12/30 19:00	File folder	
🛃 Videos	CutterAi.aip	2012/5/14 13:34	Adobe Illustrator	556 KB
📄 迅雷下载				
👌 Homegroup				
Computer 🏭 OS (C:)				
👝 Local Disk (D:)				

Double click "setup.exe" file

Click "Next".

Setup - CutterProAi		
Ready to Install		
Setup is now ready to begin installing	CutterProAi on your compute	
Click Install to continue with the install	ation.	
	Park	Install Canaal

Click "Install".

Click "Finish" to finish the installation.

5.5.2 How to use

(1) Finish a file as below:

(2) Select the text, and click "Type"-> "Create Outlines":

It will show as below:

(3) Click "File"-> "To Teneth Cutter...":

Then it will pop up a Progress dialog box:

After that it will display output dialog box

Port: COM1	•	Status:	0	byte
🔽 Knife Offset	0.25	m		Start
🔽 Overcut	0.25	mm		Save . PLT

(4) Select the appropriate port and baudrate upon the plotter connected and set the value for the **Sharp Angle** and **Close**. Then click "**Start**" to do the task.

NOTE: You can also click "**Save .PIt**" to save the file to the computer, or copy it to a SD card or U disk for using on the plotter offline.

5.6 Cut 5mm or smaller letters

To achieve the best quality output, we suggest you use a narrow sheet. If use wide sheet, you should:

- (1) Position two pinch rollers as close as possible to both edges of the cutting area.
- (2) Make sure the loaded sheet is placed the flat with equal tension.
- (3) Set parameters as below:
 - 1 In **Flexi**:

ault Job Propert	
Resolution:	40.000 🕂 steps/mm
Passes:	1
🔽 Advance a	after plo
Send arc	commands
✓ Knife off	Eset: 0.036
/ Packet si	. ze: 8 <u>→</u> KB
-Curve qualit	ty
Hi gh	▼ 0.003cm <u>+</u>
	Cutter Options Reset

② In ARTCUT:

oter Compensa	ation Vinyl PageSize Settings	Comman
🗸 Close	0.3556 🕂 MM	
🗸 Sharp Angl	e 0.3556 🔆 MM	
- Max Length	of Each Plotting: 100	1
Max Length Plotting Accu Delay O	n of Each Plotting: 100 - MW wracy C High C Middle @ Low ms	l.

5.7 Contour Cut (optional)

- (1) If you are the first time to use this function, you should set the distance between red dot and pen firstly (see <u>P17-4.5</u>).
- (2) Create or open a graphic file in Flexi, and click "Effects"->"Contour Cut..." to create a contour.

(3) You can adjust related parameters in "DesignCentral" pop-up window, and then click

(4) Click "Effects"->"Contour Cut Mark..." to add a contour cut mark for the graphic file.

(5) Select "4 Point" in "DesignCentral" pop-up window, and then click

(6) Click file "File" -> "Print" to print the graphic file.

(7) In the "Print" window, there are some print options for your choice (e.g., if you want to print original size, just select "100cm = 1m [100%]")

CONTRACTOR TAXABLE AND A 11 AND A 13		
FlexisTAKTER Teneth Edition - [Untitled 1]		
En Charles Print	ନ <mark>କ</mark> ୍ଷ କ୍ଷ	
FlexiSTARTER Teneth Edition - [Untitled 1] FlexiSTARTER Teneth Edition - [Untitled 1] Fint F	Printer Properties Printer Properties Printer ASCII Print Options Selection only Border Wrieframe Substrate Guides	□ □ 23 35 centimeters DesignCentral □ □
Ignore overprint		
	DK Cancel	
For Help, press F1		Stroke 📼 Fill 🔳 🏿

(8) Load the printed sheet on the plotter, and click file "File" -> "Cut Contour..."

CAUTION: When loading the sheet, Be sure the red dot must be placed at the right side of first point, otherwise the plotter will not work normally, the **valid zone** is as shown below:

(9) In "Cut Contour" window, select your plotter model, and click "Options" tab -> "Edit..." button.

Cut Contour		
YF-E24@COM3:		Layout Preview
Weed border Driver options Drawing Colors Before Job Ped Cut Ped Ped Ped Ped Ped Ped Ped Ped Ped Ped	1 1	25 ,20 ,15 ,10 ,5 ,0

(10) It will pop up a dialog box, please set the parameters Offset X 0.00mm, Offset Y 0.00mm as below, and click "Apply"-> "OK".

T Cut Contour							
BYF-E24@COM3:	Job	Status				Layout Preview	· <u> </u>
Veed border Weed border Driver options Drawing Colors Red Red	BYF	BYF-E24 fore Job Cut Tool V Offset X	♥ (* Knife 0.00 ÷ mm	C. Pen. -100.00-100.C	45 ,40 ,35	,30 ,25 ,20 ,15 ,10 ,	40 <u>4</u>
I ⊂ Use same driver options for all col	P	OffsetLocX0.00;Of Delete	mm 	-100.00-100.C			
			OK Car	acel <u>Apply</u>]		
All colors						Send	Done

(11) Then click "Send", It will pop up a "Alignment" dialog box in "Production Manager" window, select "Interactive alignment (Manual)", and click "OK".

lignment	X
Interactive alignment (Manual)	ОК
C Digitize alignment (Bomb sight)	Cancel

(12) It will popup the first point dialog box, make the red dot of the plotter aim at the center of the mark by clicking 4 arrow keys, and then click "**OK**".

(13) Then it will popup the second point dialog box, and At the same time, the red dot moves to the second point automatically, make the red dot of the plotter aim at the center of the second mark by clicking 4 arrow keys, and then click "**OK**".

Press the arrows point or enter the point and click OI	to move to the position of the K.	e second e second	
mm × 78.4mm	<u> </u>		
1.5. 1.0.4000	-		

(14) The operations for the third and fourth points are similar as above.

	an .		
Press the arrows point or enter the point and click 01	o move to the th position of the th (.	ird ird	
mm	•		
X: 78.2mm	•		
Y: 197.0mm	*	⊕₃	OK Cancel

point or enter the p point and click OK	o move to the fourth position of the fourth	
mm X: 21.4mm	 	
and the second sec		

(15) Then it will pop up a dialog box as blow, press Origin button for plotter. And then press "**OK**", the plotter will perform the contour cut.

on control panel

] TH-740L	
Please put knife back in o	cutter and click OK to start cutting

5.8 Wireless control (optional)

(1) Insert the Bluetooth adapter into the USB port, The computer will automatically install the driver, you will see the **Bluetooth** icon in the taskbar.

(2) Then you can find the "Bluetooth Radios" in the Device Manager.

(3) Right click the Bluetooth icon in the Taskbar and click "Open Bluetooth Settings".

<u>A</u> dd a Bluetooth Device Show Bluetooth <u>D</u> evices	
<u>S</u> end a File <u>R</u> eceive a File	
Join a Personal Area Network	
Open Bluetooth Settings	
Remove Bluetooth <u>I</u> con	
📖 🕓 🦉	2

(4) Click "Options" tab when pop up the follow window, and select "Show the Bluetooth icon in the notification area" checkbox, then click "Apply".

Bluetooth Devices					
Devices Options COM Ports Hardware	_				
Discovery					
To allow Bluetooth devices to find this computer, select the following check box.					
☐ Ium discovery on	☐ <u>I</u> urn discovery on				
A To protect your privacy, turn on discovery only when you want a Bluetooth device to find this computer.					
Connections					
Use these settings to control whether a Bluetooth device can connect to this computer.					
Allow Bluetooth devices to connect to this computer					
Aleit the when a new bluetooth device wants to connect					
Show the Bluetooth icon in the notification area					
Learn more about <u>Bluetooth settings</u> . <u>R</u> estore Defaults					
OK Cancel Apply					

(5) To add the device, please power on the plotter, and click "Add" in the "Devices" tab.

Bluetooth Devices	;		
Devices Options	COM Ports Hardware		
Add	<u>R</u> emove	Properties	
	OK Cancel		

(6) Select "My device is set up and ready to be found" in the pop up wizard, click "Next".

(7) Add Bluetooth Device Wizard will search the Bluetooth device.

Add Bluetooth Device Wizard	×
Select the Bluetooth device that you want to add.	≫°
a	
If you don't see the device that you want to add, make sure that it is turned on. Follow the setup instructions that came with the device, and then click Search Again.	Again
< Back Next >	Cancel

- (8) Then it will find Teneth TB plotter, choose TB plotter, and click "Next".
- (9) The Wizard will ask you whether use a passkey or not, select " Use the passkey found in the documentation", then input the passkey in the textbox(The default passkey for TB series is 1234), then Click "Next"

:

Add Bluetooth Device Wizard
Do you need a passkey to add your device?
To answer this question, refer to the "Bluetooth" section of the documentation that came with your device. If the documentation specifies a passkey, use that one.
◯ Let me choose my own passkey:
○ <u>D</u> on't use a passkey
You should always use a <u>passkey</u> , unless your device does not support one. We recommend using a passkey that is 8 to 16 digits long. The longer the passkey, the more secure it will be.
< <u>B</u> ack Next > Cancel

(10) The wizard will match and install the plotter.

Add Bluetooth Device W	izard		X
Windo w s is exchangin <u>g</u>	g passkeys.		*
When instructed below, ent	er the passkey (using your Bluetooth device.	
For more information about device.	entering a passk	ey, see the documentation that	came with your
Connecting Please enter the passky	ev on vour Bluet	ooth device now.	
Passkey:	1234		
Installing Bluetooth dev	ice		
		< <u>B</u> ack <u>N</u> ext	Cancel

(11) When the wizard finish adding the Bluetooth device, please note down the Outgoing COM port (e.g. the outgoing port of below is COM6), Click "Finish" to complete the installation.

Add Bluetooth Device Wizard			
®	Completing the Add Bluetooth Device Wizard		
	The Bluetooth device was successfully connected to your computer. Your computer and the device can communicate whenever they are near each other.		
	These are the COM (serial) ports assigned to your device. Outgoing COM port: COM6 Incoming COM port: COM7		
	Learn more about <u>Bluetooth COM ports</u> .		
	To close this wizard, click Finish.		
	< Back Finish Cancel		

(12) After finishing adding the Bluetooth device, you can use Teneth TB plotter to cut via cutting software.

6. Specifications

Model	TH740	TH1300	
Stand	Optional	vertical feeding paper stand	
Main board	32-bit CPU,4MB high speed CACHE		
Control panel	11 Membrane Buttons plus 2.5" LED touch screen		
Driver Motor	Step		
locating system	Precise electronic limited interface system and arbitrary original setting system		
Max. feeding width	740MM	1300MM	
Max. cutting width	630MM	1205MM	
Max. cutting speed	600/1200mm/s		
Max. cutting Thickness	1mm		
Knife pressure	0-500/1000g (Digital adjustable)		
Mechanical resolution	0.05mm		
Repeat accuracy	<±0.05mm		
Knife(blade)	Roland or Pcut Imported alloy blade		
Drawing pen	11.4mm diameter, all kinds of water, oil, atomic paint pens, poster pen		
Drawing instruction	DM-PL/HP-GL Automatic Identification		
Connector	USB/ SD card/ Serial Port/Wi-Fi/U disk		
Power supply	AC110V /220V±10%,50Hz/60Hz		
Power consumption	< 100W <120W		
Working environment	Temperature:+5-+35,humidity:30%-70%		

Package size	1055*370*335mm	1595*455*335mm	
Gross Weight	12KG	32KG	
Optional function	Contour cut /Wireless control		