



STS CT24-XY TRIMMER CUTTER

OPERATING MANUAL

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SIMPLE INSTALLATION INSTRUCTIONS

1. Set up the machine stand according to the instruction video.
2. Check the accessory box, find and insert the power plugin.
3. Load the media using the installation video.
4. Select your preferred cutting mode and begin.

WARNING:
PLEASE DO NOT LAY DOWN THE SLITTING
KNIVES BEFORE TURNING ON THE MACHINE.



MANUAL CONTENTS

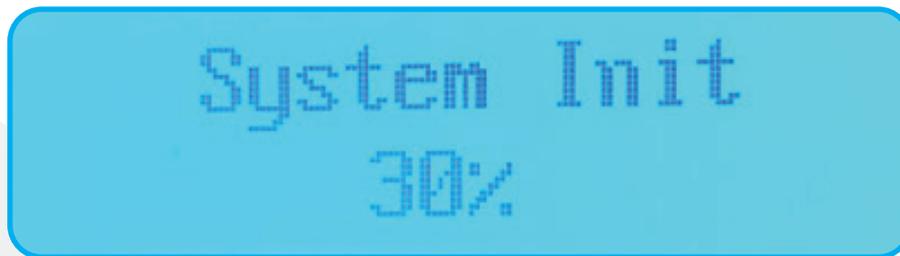
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CHAPTER 1: SCREEN INSTRUCTIONS

1.1: START SCREEN

1) Displays model number (TM700B) and firmware version (FW2.00.00US).



System initiation screen shows initiation progress



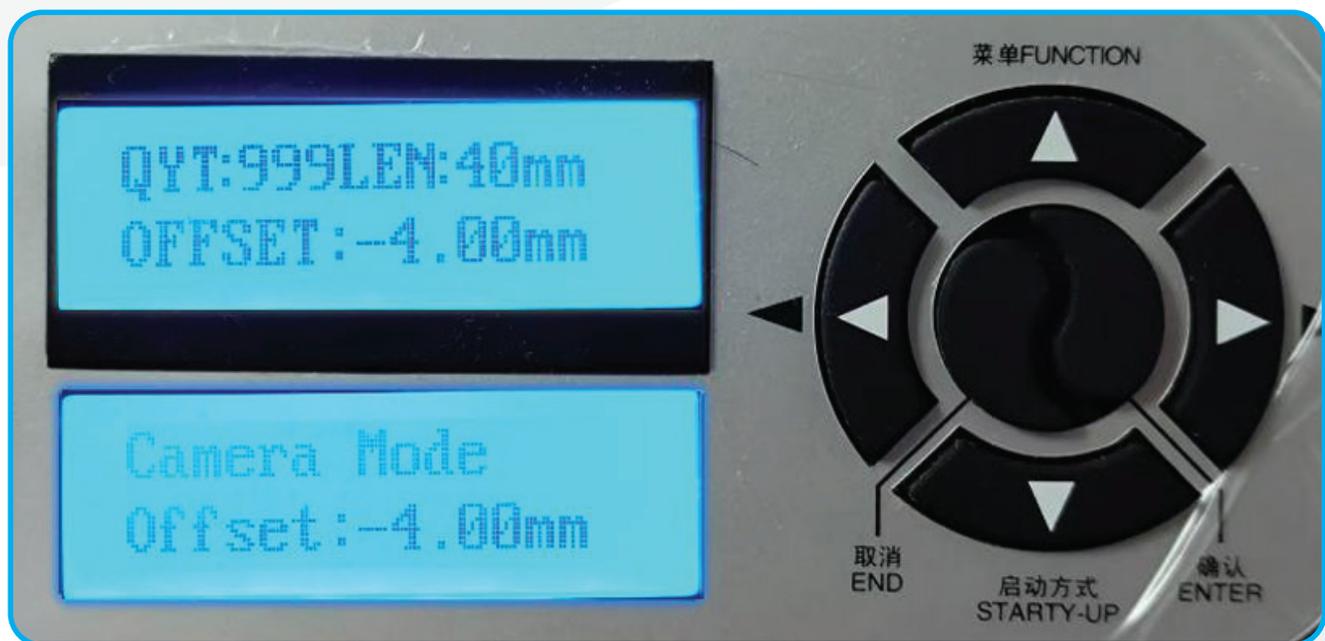
1.2 MAIN SCREEN

2) **MAIN SCREEN:** Shows your selected mode and X-axis offset.

IN FIXED LENGTH MODE: displays quantity and cut length.

IN CAMERA MODE: displays only offset.

OFFSET: If you notice cuts are consistently off-center, you can manually adjust the offset value to realign the cuts with the design.



3) CONTROL PANEL:

- **FUNCTION KEY (UP KEY):** View settings.
- **START KEY (DOWN KEY):** Begin/pause operation.
- **LEFT KEY:** Feed media forward (manual mode).
- **RIGHT KEY:** Feed media backward (manual mode).
- **CANCEL KEY:** Exit to previous screen/cancel job.
- **ENTER KEY:** Save and confirm selection.



1.3 SETTINGS

4) OFFLINE SCREEN (Manual Control):



1. Press the RIGHT button to highlight the manual control option:
 - Press the DOWN button to move the media forward.
 - Press the UP button to move the media backward.
2. Press ENTER to perform a test cut from right to left. Press ENTER again to reverse the direction (left to right).

5) MODE SETTING:



1. Press ENTER to highlight the mode selection (text will change to blue). Use the DOWN button to toggle between "Fixed Length" and "Camera Mode." Press ENTER to confirm your selection.
2. Fixed Length Mode: The machine cuts media into pieces of equal length, based on quantity and length you set.
3. Camera Mode: The machine detects printed alignment marks to determine exactly where to cut.

You can press the start-up button to pause the current job. Then press the Start-up to continue; Or press the start-up button to pause the current job, then press the Cancel key to cancel the job.



6) QUANTITY SETTING (Fixed Length Mode only):

Press ENTER to highlight the quantity field (text turns blue). Use the arrow keys to set how many pieces to cut. Press ENTER to confirm.



QUANTITY SET
1001

7) CUT LENGTH (Fixed Length Mode only):

Press ENTER to highlight the cut length field.

Use LEFT/RIGHT to select a digit, then UP/DOWN to change its value. Set the desired cut length and press ENTER to save.



CUTTING LENGTH
40mm

8) CUTTING SPEED

Press the confirm key to invert the font color and then set the motor operating speed by using the direction keys. The setting range is 1-5; 5 is the fastest speed mode. "X" controls the speed of paper feeding (forward/back), and "Y" controls the speed of the cutting carriage.



CUTTING SPEED
IX:3 --Y:5



9) CUTTING WIDTH

After pressing the confirm key and the font color is reversed, the machine can set the cutting width on carriage moving direction by direction keys. Define how wide the machine cuts from side to side. Maximum width is 880mm.



CUTTING WIDTH
880mm

1.4 ADVANCED SETTINGS

10) ADVANCED SETTING

After pressing the confirm key and the font color is reversed, enter the advanced settings.



ADVANCED
SETTING

11) MARK COLOR (Camera Mode):

Black for most media. White for DTF film (with black backing)



MARK COLOR
BLACK LINE



MARK COLOR
WHITE LINE

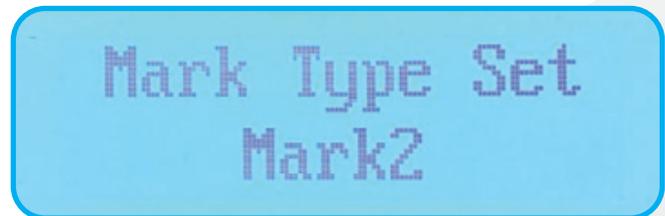
After pressing the confirm key, the font color can be inverted to set the background color of the mark in Camera Mode.



*Use a white background when printing black tracking lines.
Use a black background when printing white tracking lines.
This creates the contrast the camera needs to see the marks clearly*

12) MARK TYPE SETTING (Camera Mode):

Press ENTER to highlight "Mark Type" (text will turn blue). Use the arrow keys to choose between Mark 1 and Mark 2 formats based on how your design was printed. Press ENTER to confirm.



13) CUTTING GAP (Camera Mode):

Press ENTER to highlight the "Cutting Gap" field. Set to 0 if you want to cut only the front edge of the block mark. If you want to cut both edges of the mark, enter a gap value matching the length of the block (up to 18mm). Press ENTER to confirm.



14) X KNIFE RESET

Press ENTER while on the X Knife Reset option. The machine will reset the horizontal cutting blade.



X_Knife Rst
"Enter" to Rst

IMPORTANT:

Make sure the knife is either completely raised or fully lowered before resetting to avoid media damage.

15) VERSION INFO / CAMERA VERSION:

Press ENTER on the Version Info screen. Press DOWN to toggle between firmware version and camera version.



Version Info
FW 2.00.00US



Camera Ver
20240827

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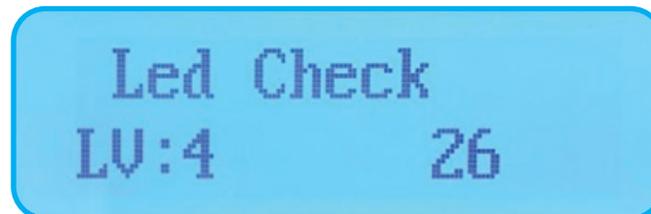
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16) LED CHECK LEVEL (Camera Fill Light):

Press ENTER to access the LED light brightness setting. Use UP/DOWN arrows to adjust from 0 (dim) to 50 (bright).

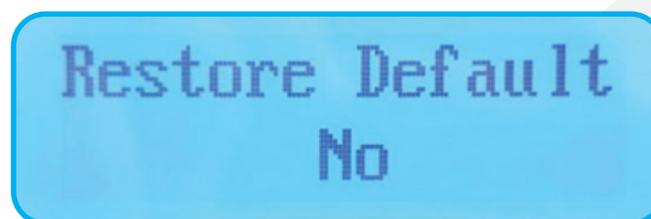
If back value flickers, the brightness needs adjustment. If it stays stable, the lighting is set correctly.

NOTICE: The LED brightness instructions explain what happens if it's set too high. The version info section includes a clear explanation of the "26mm" mark value and what to do if it doesn't appear.



17) RESTORE DEFAULT:

Press ENTER to highlight the restore option. Use the arrow keys to select YES. Press ENTER again to confirm.



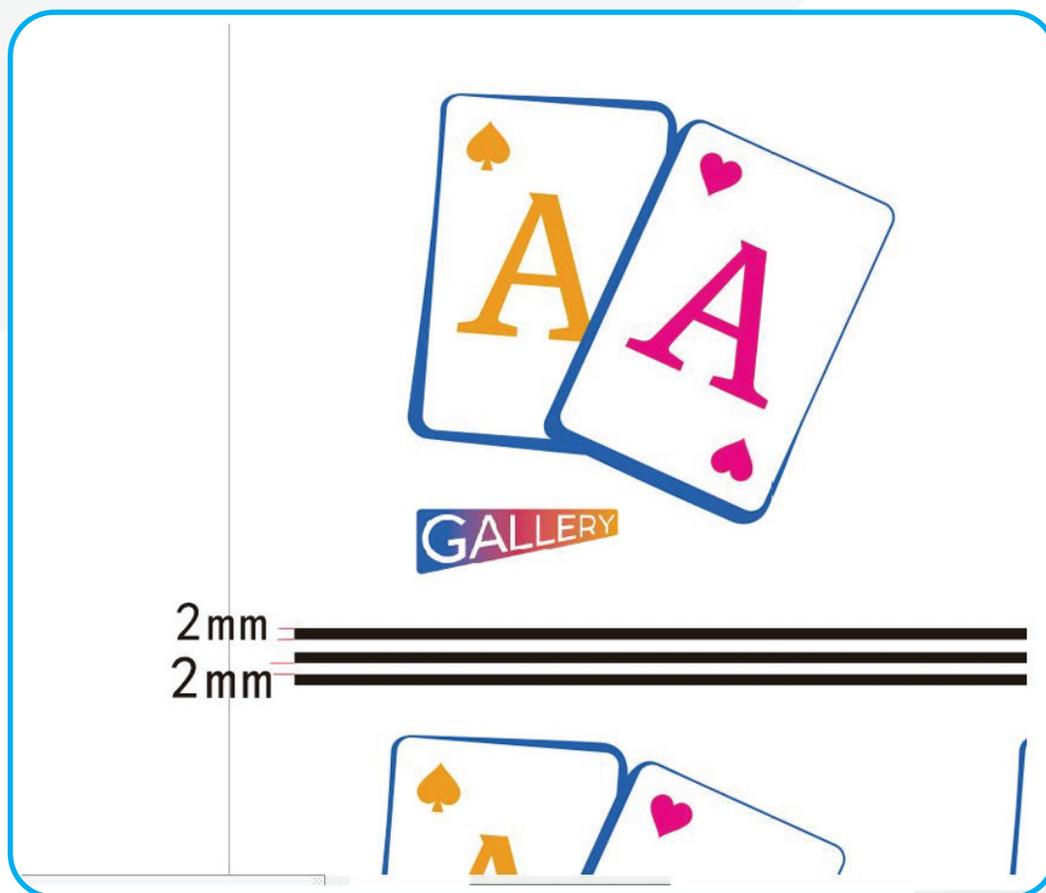
NOTICE:
Machine will not restart after restoring default.



2.2 MARK 2 MODE

To design files using Mark 2:

Use black lines that are exactly 2mm thick. Each black line should be spaced 2mm apart.



CHAPTER 3 CUTTING MODES

3.1 FIXED LENGTH

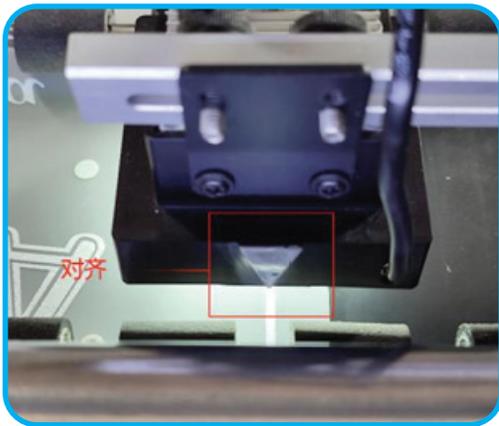
1. Select Fixed Length Mode from the Mode Setting screen.
2. Ensure the slitting knife is in the correct position (raised or lowered as needed).
3. Enter the desired quantity and cut length.
4. Press START to begin cutting



3.2 CAMERA MODE:

- 1) Go to Advanced Settings and select the Mark Type and Mark Color. and set the desired Cut Width and Cutting Gap.
- 2) Move the blade into position over the media (but do not cut yet).
- 3) Position the media so the camera is directly above the tracking mark.

Under Mark 1 mode, the arrow should be above the long tracking line mark.



Under Mark 2 mode, the whole camera should be above the black lines mark.



- 4) Press START to let the camera calibrate.
- 5) Lower the cutting knife.
- 6) Press START again to begin cutting.



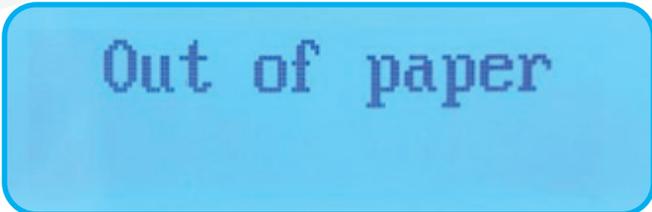
CHAPTER 4: SCREEN NOTIFICATIONS (CONTINUED):

4.1 PAUSE: The job has been paused. Press the DOWN (Start) button to resume cutting.

A blue rounded rectangular screen with the word "Pause" in a large, dark blue, sans-serif font centered on the screen.

Pause

4.2 OUT OF PAPER: The machine has run out of media. Reload new material and press START to continue.

A blue rounded rectangular screen with the text "Out of paper" in a large, dark blue, sans-serif font centered on the screen.

Out of paper

4.3 COVER OPEN: One of the machine covers is open (front or back). Close the cover completely before resuming work.

A blue rounded rectangular screen with the text "Cover Open" in a large, dark blue, sans-serif font centered on the screen.

Cover Open

4.4 LOCAL ERROR: An internal error has occurred. Turn off the machine, wait a few seconds, and restart it to clear the error.

A blue rounded rectangular screen with the text "Local Err" in a large, dark blue, sans-serif font centered on the screen, and "Please turn off" in a smaller, dark blue, sans-serif font centered below it.

Local Err
Please turn off



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