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Declaration

1. “硕方”and “Supvan” are registered trademarks of Supvan Technology (Beijing) Co., Ltd.
2. For any information about the instruction contents, Supvan reserves the right to vary because of the upgrade of tube printer.
3. Supvan will not be responsible for any consequence caused by operations which do not follow the requirements of instructions.
4. If you want to know more about the machine or Supvan, please visit www.supvan.com.

Brief Introduction of Special Functions

1. English operation interface contains different input methods, e.g. English letters, numbers, symbols etc.
2. Large white backlit LCD can display 5-row-and-2-column input contents.
3. Powerful function keys make operation more convenient and simple.
4. Assembly standard 85-key computer keyboard.
5. When there is any switch on/off or any error operation, the machine will send a ticking sound.
6. TP76E tube printer can realize the automatic half/full cutting functions.
7. 9 different fonts give consumer more printing choices and make printing effective and easier.
8. The unique test key is convenient to monitor the machine status and check its performance.
9. The unique cursor print setting can realize range printing between any two specific segments.
10. The powerful built-in file memory capacity can store up to 100 files for easy calls at any time.
11. Supvan high-speed computer tube printer TP76E can be connected to any computer. It is compatible with Windows XP/Win 7/Win 8 operating system and can realize independent operations on the work site. It can be used as a dual-purpose machine.
12. Its portable design suits various occasions.
13. The hard case is reliable which can protect the tube printer effectively.
14. The package includes 1 black ribbon. Other than that, we sell two more color (white and red) ribbon as optional choice.

Precautions

Warning

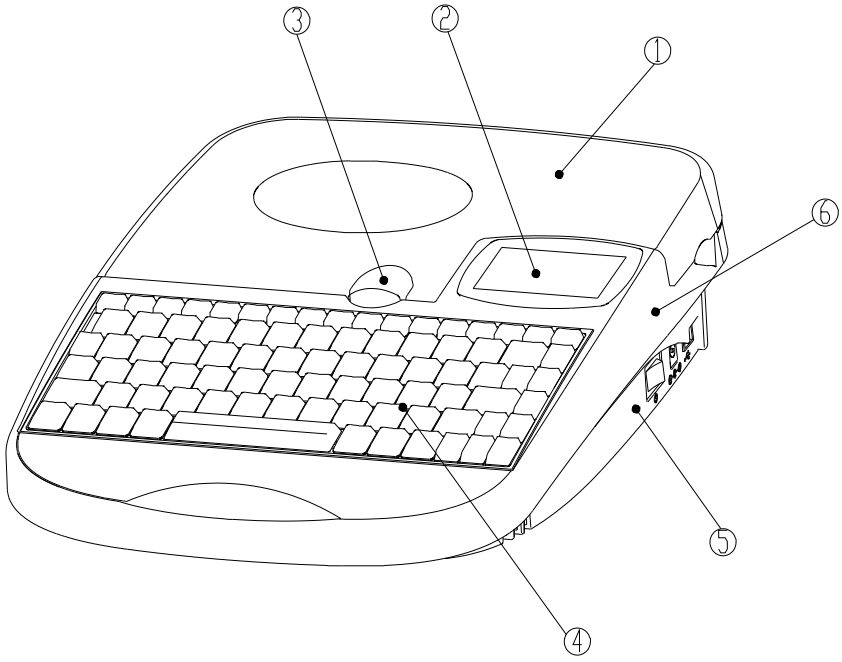
1. Please use a single power socket. Do not use any socket inserted with multiple devices, this may cause a fire or electric shock.
2. Do not let any metal or liquid get into tube printer. This may cause fire or electric shock or machine damage.
3. Do not use power plug with wet hand in case of any electric shock.
4. When open the upper cover, do not let any object contact with the moving part of tube printer.
5. Use voltage between 100 and 240V AC. If not, it may result in fire, electrical shock or machine failure.
6. Do not disassemble or modify the tube printer without any authorization. This may lead to fire or electric shock.
7. Please let the tube printer away from alcohol, gasoline and other flammable solvents as well as any ignition source to prevent any deflagration and fire.
8. When clean the tube printer, please use wet gauze that has been twisted closely. Do not use any flammable organic solvent.
9. When find any abnormal smell or noise in operation, please turn off the tube printer immediately, pull out its plug and contact with your dealer.
10. Please use the tube printer in a clean place. Do not use it on carpet. Otherwise, the dust may cause short circuit or even fire.
11. When there is any foreign object getting into the tube printer, do not use it in case of any damage.
12. The machine can only print Φ≤6.0mm tube or heat shrink tube. Printing Φ＞6.0mm tube may affect the print effect, cause a printing error, or even damage the print head.

Caution

1. Not all consumables are suitable for your tube printer because of the difference of consumable specification. Please choose Supvan original consumables to enjoy the premium print quality and avoid malfunction of the printer.
2. Supvan will not be responsible for any warranty caused by counterfeit ribbon or label.
3. Do not touch the print head with hand.
4. Please use the cutter carefully to avoid injured.
5. Touching the print head which just finished working may cause your skin being burnt.
6. Please keep the printer away from high moisture environment in case of electric shock.
7. If the machine will not be used for a long time, unplug the AC adapter from the power outlet. Otherwise, electrical leakage may occur.
8. The machine is very precision. Please operate it on a flat surface to prevent falling damage or shock vibration.
9. Do not compress your tube printer.
10. Keep away from any electromagnetic interference which generates a magnetic field.
11. Do not block the outlet of the printer.
12. Do not press the keyboard too hard.
13. In operation, do not pull out any print media forcibly from the outlet. Take it out after cutting. Otherwise, this will affect the printing result or damage your tube printer.
14. Consumables or tube printer shall be stored in a dry place with ventilation, room temperature, and non-direct sunlight.

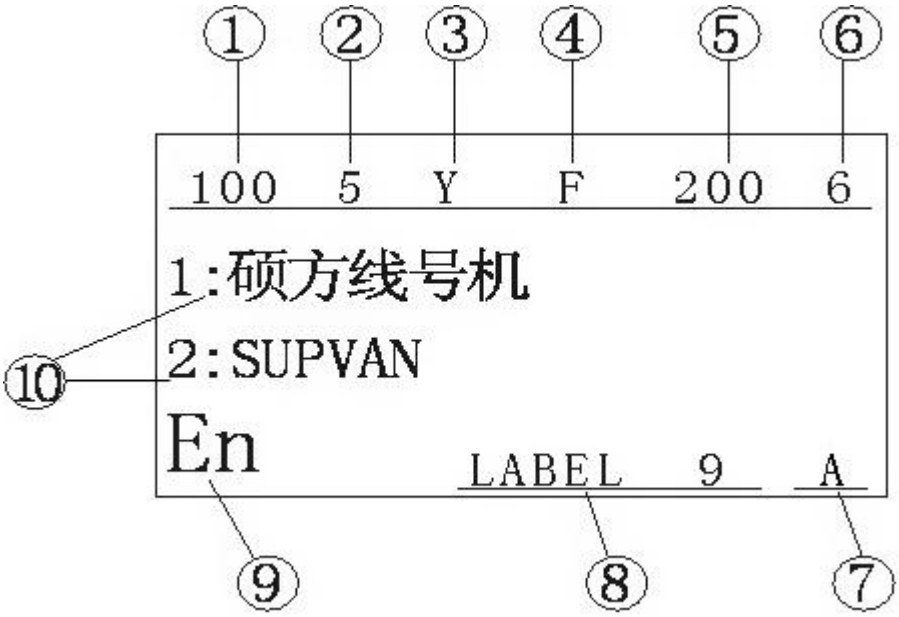
Chapter 1 Appearance Description and Configuration

1.1 Appearance Parts of Supvan Tube Printer



SEQ	Name
1	Upper cover
2	LCD display
3	Cover opening button
4	Keyboard
5	Lower case
6	Upper case

1.2 LCD Display Description



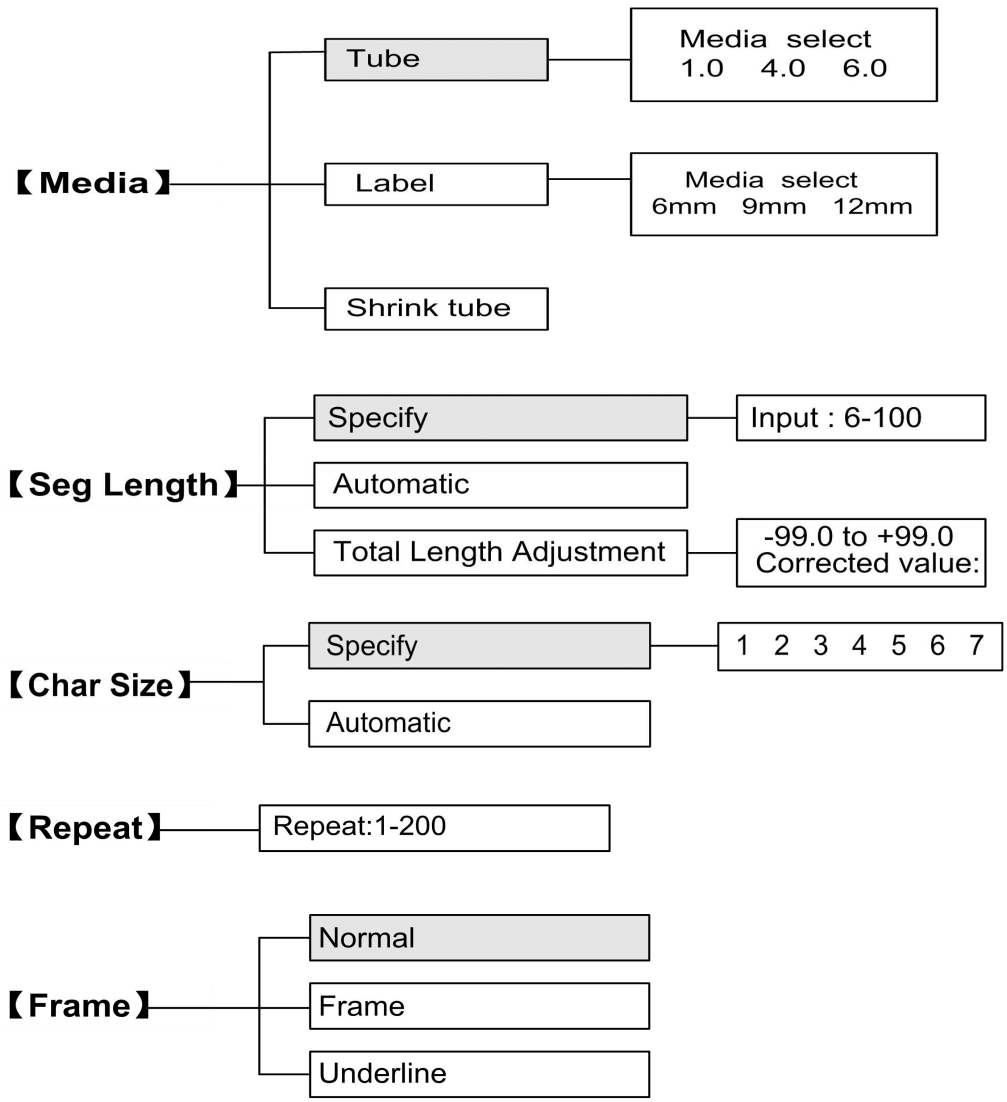
	Text prompt	Description
1	Seg Length	Length of segment that cursor locates
2	Char Size	Character size of segment that cursor locates
3	Set Cut	Setting state of half cut function: Normal; Half cut; Solid line
4	Frame	Frame setting state of segment that cursor locates. Normal; Frame; Underline
5	Repeat	Repeat printing times of segment that cursor locates.
6	Density	Setting value of density level.
7	Caps Lock	Current setting state of letter uppercase/lowercase
8	Media	The setting type of printer media
9	En/Sy	Current display of input method
10		Display content: Segment numbering and segment content.

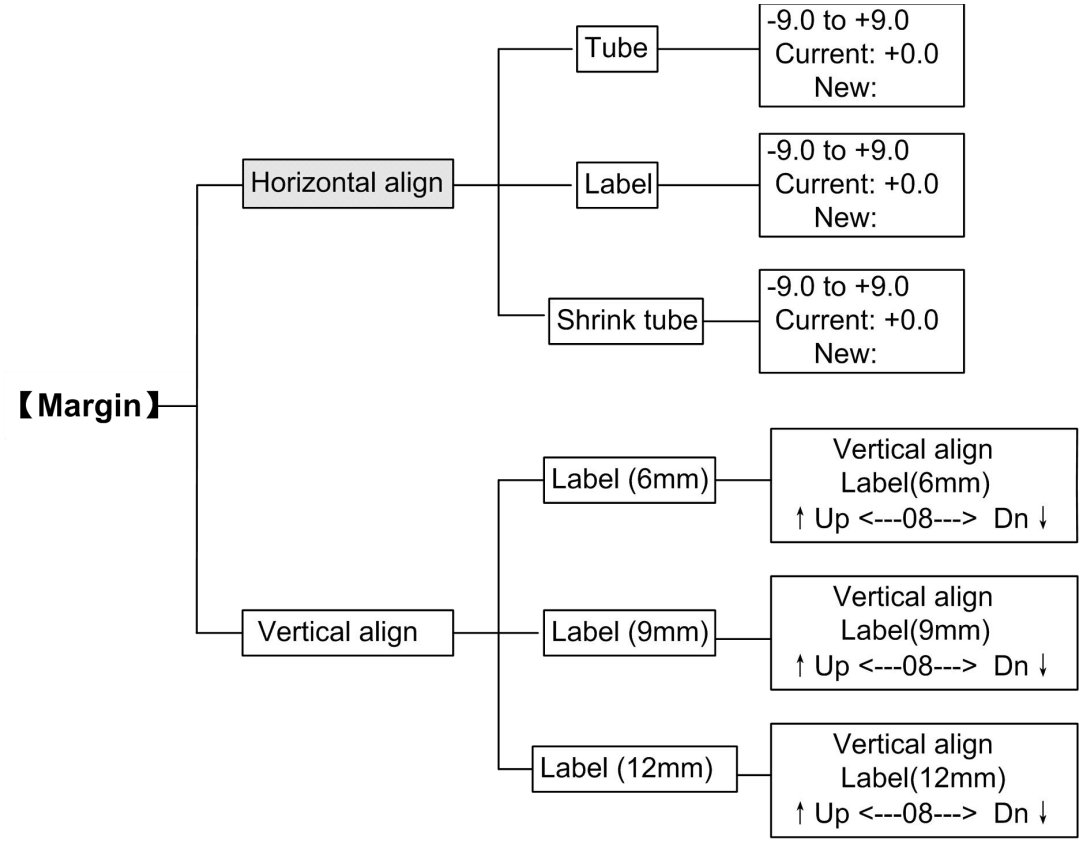
1.3 Included Items

1. One Supvan TP76E Tube Printer
2. One Tube Adjuster
3. One Ribbon Cassette (Black)
4. One Label Cassette (Random color and size)
5. One Power Adapter (Including Power Cord)
6. One USB Computer Cable
7. One TP Series Editing Software CD-ROM
8. One Instruction
9. One Qualified Certificate
10. One Test Printing Sample
11. One Hard Case

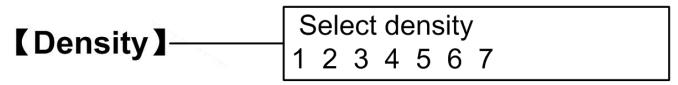
Chapter 2 Function Keys

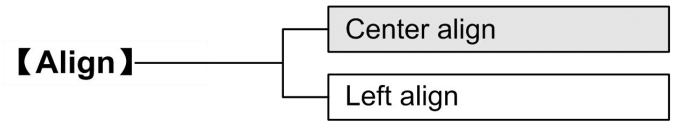
【ESC】 ESC the current setting, operation or error description to return to the previous level of menu or a document input interface.

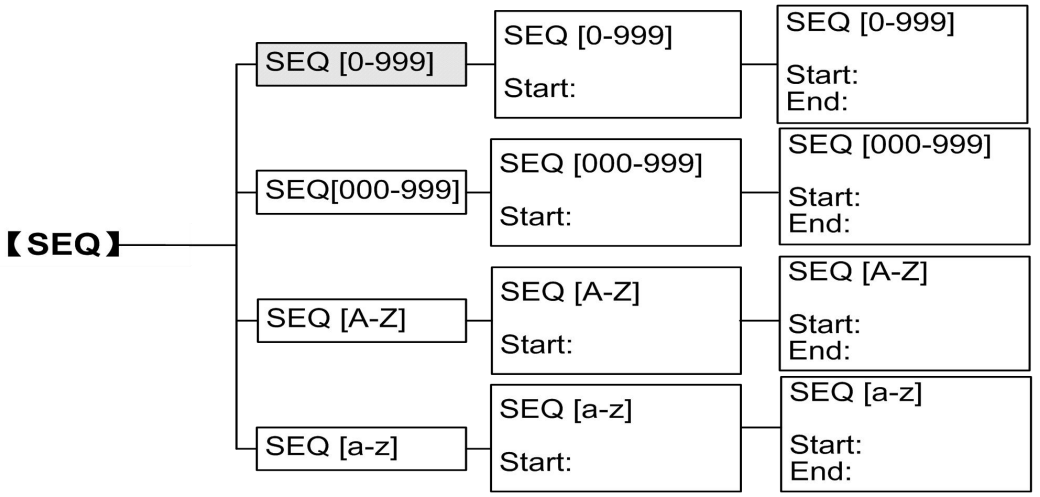


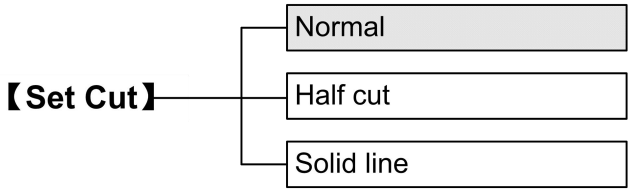

【Margin】
Horizontal align
Tube
-9.0 to +9.0
Current: +0.0
New:
Label
-9.0 to +9.0
Current: +0.0
New:
Shrink tube
-9.0 to +9.0
Current: +0.0
New:
Vertical align
Label (6mm)
Vertical align
Label(6mm)
↑ Up <---08---> Dn ↓
Label (9mm)
Vertical align
Label(9mm)
↑ Up <---08---> Dn ↓
Label (12mm)
Vertical align
Label(12mm)
↑ Up <---08---> Dn ↓

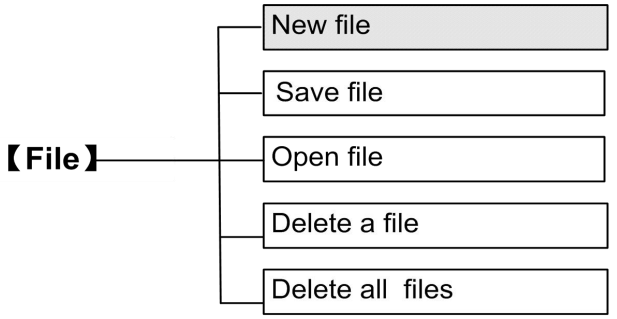

【Char Space】
Character space (0~20)
Current: 8
New:

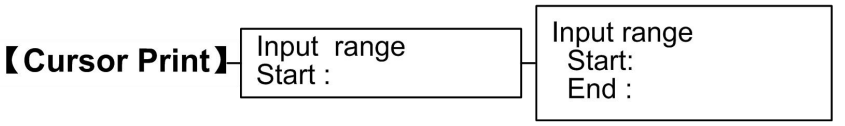

【Density】
Select density
1 2 3 4 5 6 7

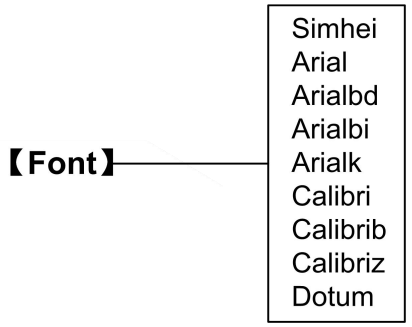

【Align】
Center align
Left align


【SEQ】
SEQ [0-999]
SEQ [0-999]
Start:
SEQ [0-999]
Start:
End:
SEQ[000-999]
SEQ [000-999]
Start:
SEQ [000-999]
Start:
End:
SEQ [A-Z]
SEQ [A-Z]
Start:
SEQ [A-Z]
Start:
End:
SEQ [a-z]
SEQ [a-z]
Start:
SEQ [a-z]
Start:
End:


【Set Cut】
Normal
Half cut
Solid line


【File】
New file
Save file
Open file
Delete a file
Delete all files


【Cursor Print】
Input range
Start :
Input range
Start:
End :



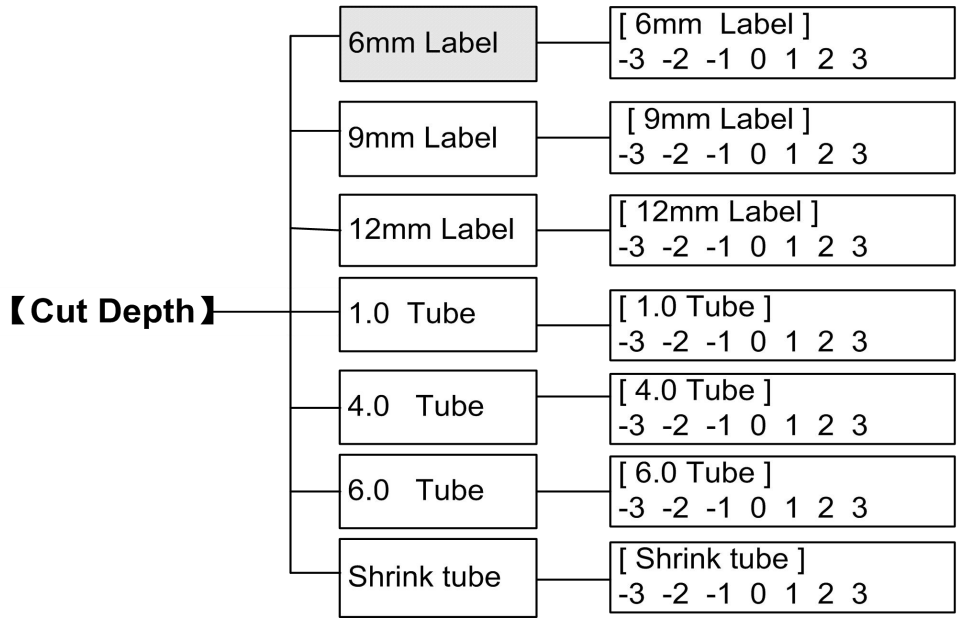
【Copy Print】 Input copies:

【Stop】 Cancel the print operation immediately.

【Rev Feed】 Please confirm feed reversal ?
Yes No

【Home】 Move the cursor to the first segment of current document.

【End】 Move the cursor to the last segment of current document.



【Delete Seg】— Delete the current segment? Yes No

【Double Rows】— Set the double rows.

【X_2】— Set the subscript.

【X^2】— Set the superscript.

【Print】— Print all documents being edited currently.

【Caps Lock】— English Caps lock conversion, Uppercase letter

【En/Sy】— Select input modes including En (English) and Sy (Special symbols).

【Backspace】— Delete the character in front of cursor.

【Shift】— Shift key

【Test】— Tube 4.0 / Label 9mm / Shrink tube — Measure the length of the last 4 segments of the test sample measure value(mm):

Chapter 3 Consumable Installation

As an equipment manufacturer, Supvan can provide only four major categories of consumable media including ribbon, label, tube, and cutter group. For other consumable media, please contact with your supplier.

3.1 Installation and Removal of Ribbon Cassette

3.1.1 Installation

(1) See Figure 1. Tighten the ribbon according to the direction of arrow on ribbon cassette.

(2) Put the print head in a non-printable position.

(3) See Figure 2. Place the ribbon cassette at the position marked on tube printer.

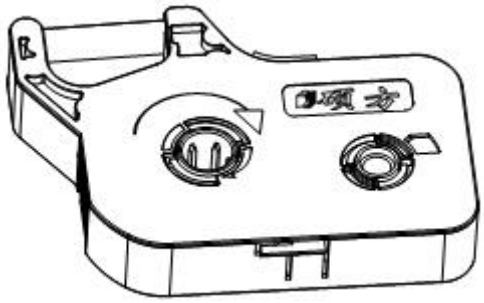


Figure 1 Tighten the Ribbon

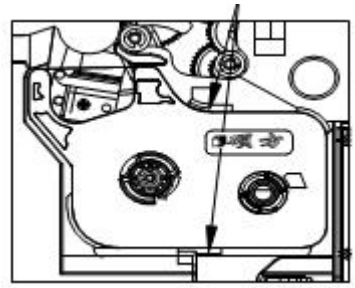
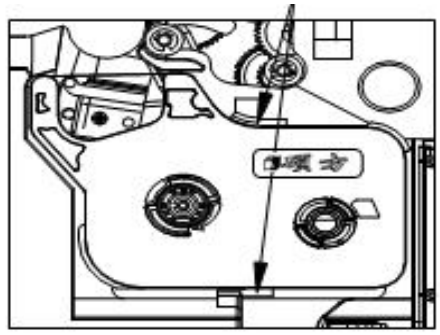


Figure 2 Ribbon Cassette Installation

3.1.2 Removal

(1) Make the print head in a non-printable position.

(2) Press the clamping tongue inward with a finger to lift it upward so as to remove the ribbon cassette easily according to the direction of arrow in the following figure.



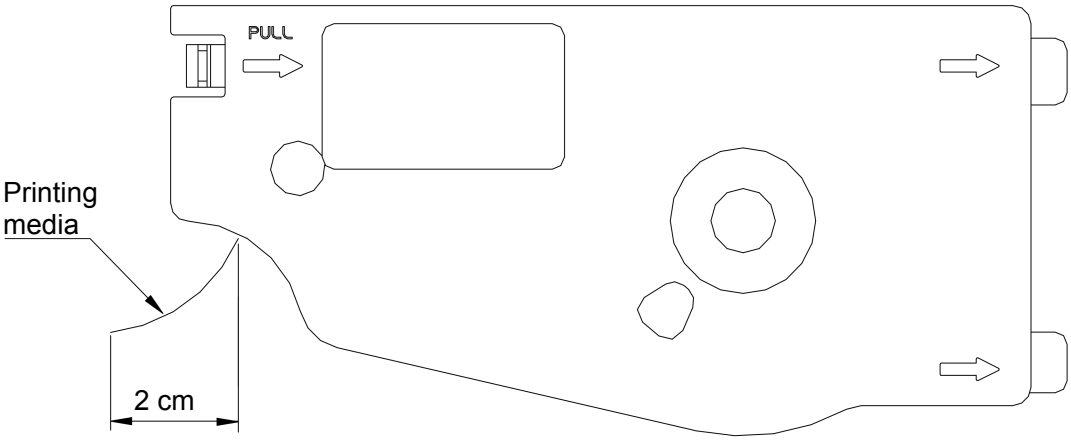
Removal of Ribbon Cassette

3.2 Installation and Removal of Label Cassette

3.2.1 Installation

(1) Open the upper cover.

Please pull the label about 2cm out of the outlet of label cassette. See the following figure.



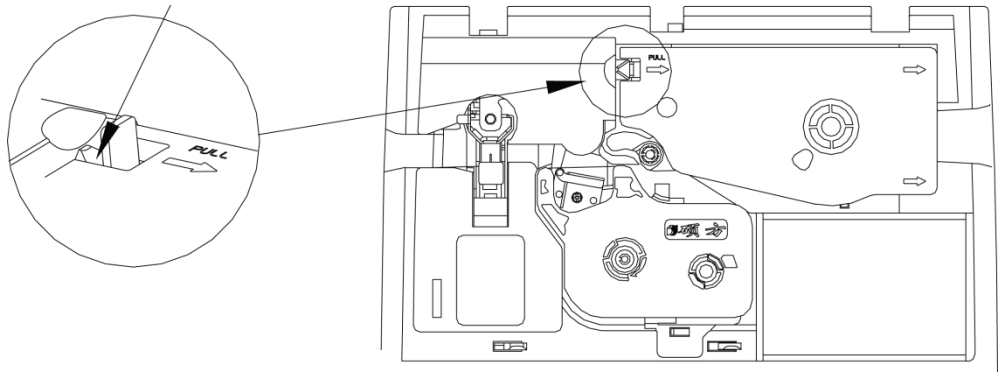
(2) Align the tabs on the label cassette with the holes in the printer, and then push the label cassette in until it clicks into the place.

(3) Ensure the front end of label exits the pinch roller.

Note:

- Please ensure that the clamping tongue in the left of label cassette has been returned.

Clamping tongue



(4) Close the upper cover.

3.2.2 Removal

(1) Open the upper cover.

(2) Make the print head in a non-printable state.

(3) Press the clamping tongue in the left of label cassette and lift upward the cassette at the same time.

(4) Close the upper cover.

Note:

- Do not store any label cassette under the following conditions:

  ① Dirty and dusty place;

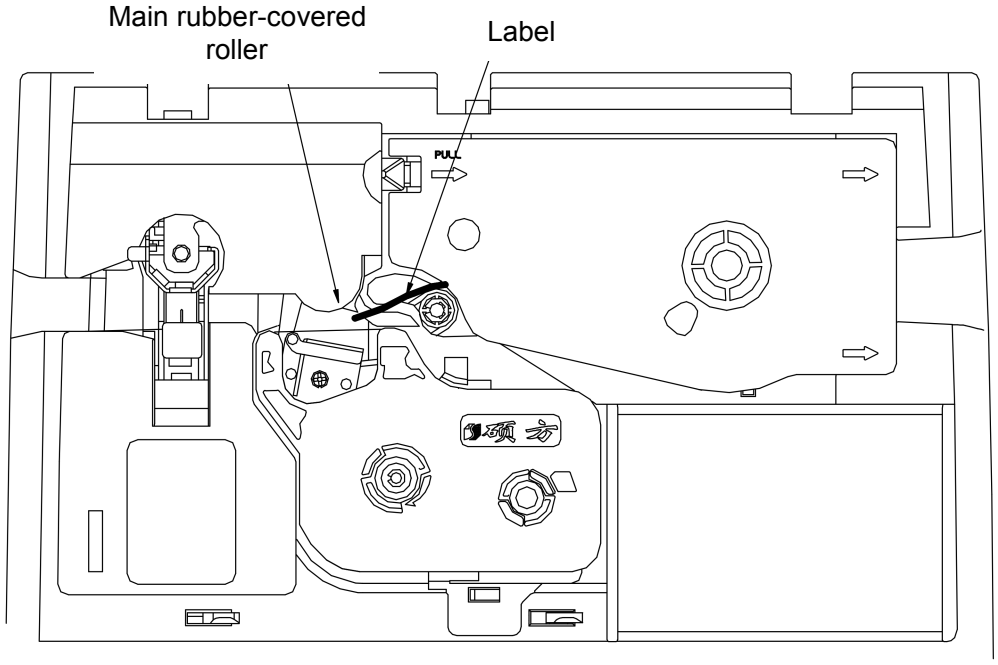
  ② Any place with direct sunlight;

  ③ Hot or humid place;

  ④ Any place that the temperature is lower than -25℃ or higher than 120℃

3.2.3 Label installation location

For any label installation location, see the following figure. Pull the head of label to a lower position of main rubber-covered roller.



3.3 Installation and Removal of Tube Adjuster and Tube

3.3.1 Installation of tube

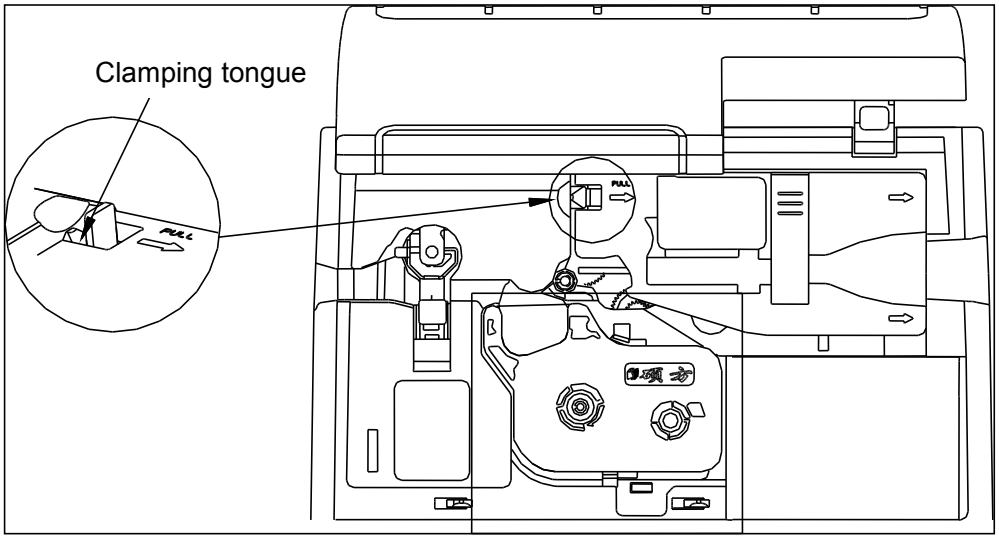
Install a tube into tube adjuster.

3.3.2 Installation of tube adjuster

(1) Open the upper cover.

(2) Align the tabs on the tube adjuster with the holes in the printer, and then push the tube adjuster in until it clicks into the place.

(3) Close the upper cover.



3.3.3 Removal of tube adjuster

(1) Open the upper cover.

(2) Press the clamping tongue at left of tube adjuster and lift it upward at the same time.

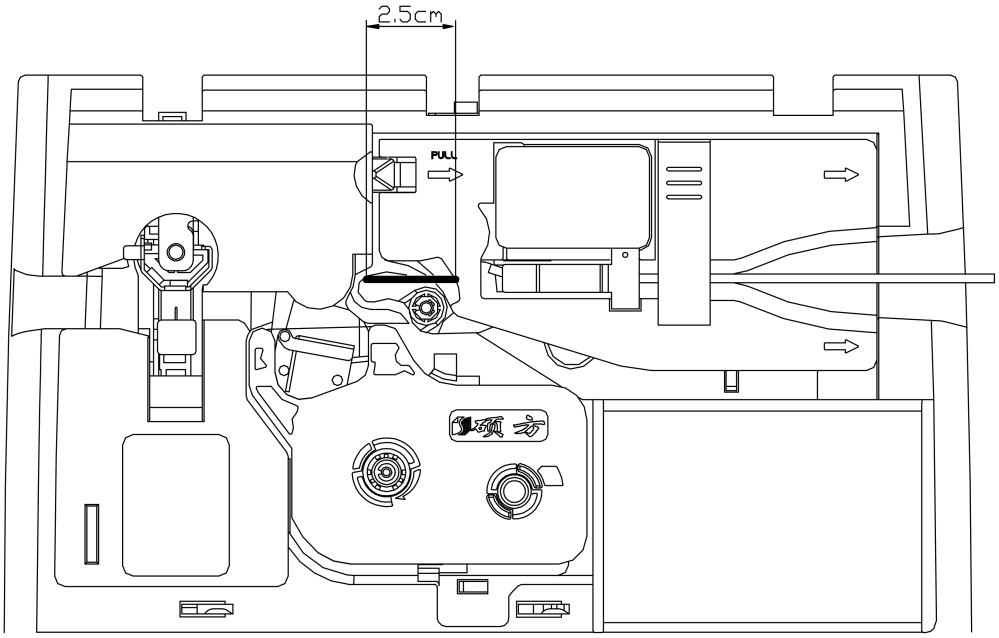
(3) Close the upper cover.

Note:

- Do not place any heave object on tube.
- Do not store any tube under the following conditions:
  - ① Dirty and dusty places;
  - ② Any place with direct sunlight;
  - ③ Hot or humid place;
  - ④ Any place that the temperature is lower than -35℃ or higher than 90℃

3.3.4 When install any tube, expose it with about 2.5cm. For its installation position, see the following figure. Pass the tube through tube adjuster to place the elbow direction in an appropriate state. When installing the tube, the front end of the tube should be in the position as shown in the following

figure (2.5cm). Adjust the tube into appropriate direction.



3.4 Replacement of Half-cutter and Cutting Board Assembly

3.4.1 Replacement of cutter

Pull the old cutter out, and insert a new one.

3.4.2 Replacement of cutting board assembly

(1) Take the label or tube out of tube printer.

(2) Pull out the old cutting board assembly.

(3) Insert a new one.

Note:

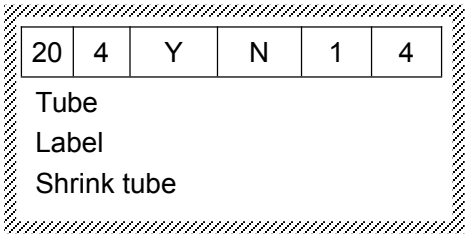
- Please be careful not to hurt your fingers when replace any cutter and cutting board assembly.
- When the cutter has been used for long time and the half-cutting effect is not good, please replace the complete set of cutter and cutting board assembly at the same time.

Chapter 4 Basic Operation

To print contents, please set the option of media and specifications correctly so as to ensure the setting of tube printer corresponds to the media and specifications that you use actually.

4.1 Print of Tube

Install the tube, then, press【**Media**】 to enter the option of media, it will display as below:



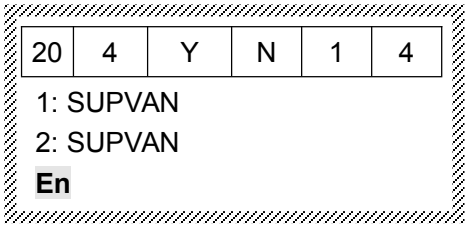
Make a correct selection by 【↓】and 【↑】 according to the specifications of tube that you have installed.

Press 【**Enter**】to go into the file input interface so as to carry out content editing.

Input letters, or symbols in turn such as S, U, P, V, A, and N, and there will be 1: SUPVAN displaying on screen.

Press 【**Enter**】, and the next segment will be generated automatically.

Then input “SUPVAN”, and there will be 2: SUPVAN. It will display as below:



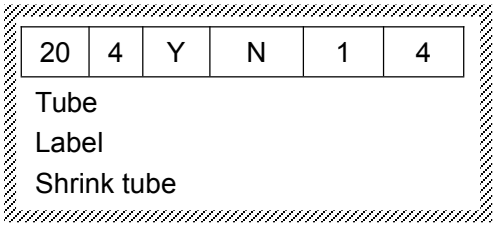
Press 【**Print**】, the machine will print the input contents automatically with half-cut and full cut. During the printing process, LCD will display Printing……. After printing, return to the file input interface automatically.

Note:

- For 0.5^2, 0.75^2, 1.0^2 and 1.5^2 tubes, please select 1.0 Tube to print character size 1 and 2.
- For 2.5^2, and 4.0^2 tubes, please select 4.0 Tube to print character size 1, 2, 3 and 4.
- For 6.0^2 tube, please select 6.0 Tube to print the character size 1, 2, 3, 4 and 5.

4.2 Print of Label

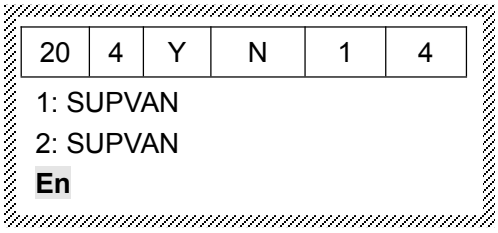
Install the label, then press 【**Media**】 to the media option. It will display as below:



Make a correct selection with 【↓】and 【↑】to select correctly according to the specification of installed label. Press【**Enter**】to go into the file input interface to edit contents.

Input letters or symbols in turn such as S, U, P, V, A, and N, and there will be 1: SUPVAN displaying on screen.

Press 【**Enter**】, and the next segment will be generated automatically. Input "SUPVAN" again, and it will display as below:



Press 【**Print**】, the machine will print the input contents automatically with half-cut and full cut. During the printing process, LCD will display Printing……. After printing, return to the file input interface automatically.

Note:

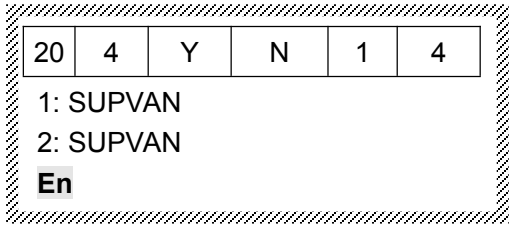
- For 6mm label, please select single row and character size 1, 2 and 3.
- For 9mm label, please select single row and character size 1, 2, 3, 4 and 5.
- For 12mm label, please select single row and character size 1, 2, 3, 4, 5, 6 and 7.

4.3 Print of Heat Shrink Tube

Install the heat shrink tube, then, press【**Media**】 to enter the media option. After select Shrink Tube, press 【**Enter**】 to get into the file input interface to input the contents.

Input letters or symbols in turn such as S, U, P, V, A, and N, and there will be 1: SUPVAN displaying on screen.

Press 【**Enter**】, and the next segment will be generated automatically. Input "SUPVAN" again, and it will become as 2: SUPVAN. It will display as below:



Press 【**Print**】, the machine will print the input contents automatically with half-cut and full cut. During the printing process, LCD will display Printing……. After printing, return to the file input interface automatically.

Note:

- Printing Φ> 6mm shrink tube may affect the print effect, cause a printing error, or even damage the print head.

Chapter 5 Operation of Function Key

Note:

A. Those contents with【 】are expressed according to key names, and those with ☐ are expressed as screen display.

B. When you operate in error, there will be an error message on display, and the error operation cannot be completed.

C. The setting of not-operated function keys are in a factory setting state.

D. During the printing period, only 【**Stop**】 key can work.

E. When operate some certain function key, others can work only when the function key completes editing or exit the edit state (only the ESC key can be used to exit the editing state).

F. All function keys will return to the file input interface after their settings have been completed.

G. For any out of document capacity provisions (the machine can input up to 200 segments in one file), there will be an error display on screen.

H. The setting state of new segment is same as the preceding one.

I. All 5 functions including Segment length, Char size, Repeat, Frame, and Margin can be related with the cursor position. In setting, the segment that the cursor is located and all segments followed by will be set as the same setting. The adjustment of cursor position may be completed with 【**Home**】,【**End**】, 【↓】,【↑】,【→】 and【←】.

J. Large white backlit LCD can display 5-row-and-2-column input contents.

K. In single row setting, one row on the screen will be one row on the label eventually. For a double row setting, the input of both rows' content will show as one line on the screen with a "double line mark" in between. When printed it out, it will be two rows. For screen display, when the line is too long to be shown completely on the screen, the display content will move to the left automatically.

L. All setting states including Segment length, Char size, Set cut, Frame, Repeat, Density, Media, Caps lock, Input Method, Segment Numbering, and Segment Content can be displayed on screen.

M. For double rows, the row space is fixed. For double column, the column space is fixed.

N. The initial state of letter key is uppercase.

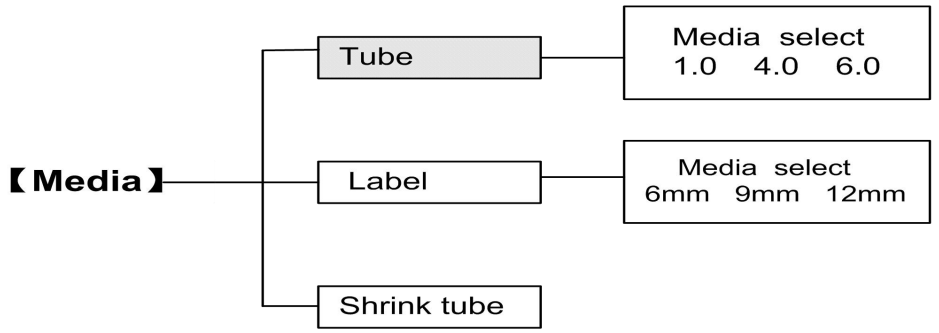
5.1 【ESC】

This function is used for exiting the current operation. When return to the previous menu or document input interface, use it.

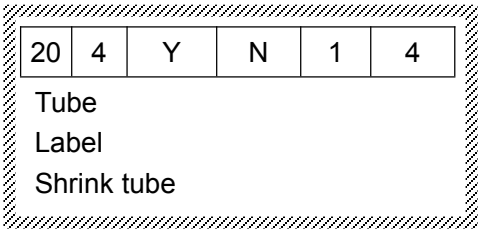
5.2 【Media】

Before inputting the print content, be sure to select media correctly. After replacing print media, be sure to re-select the setting corresponding to current media on tube printer. Failure to do so may affect the print effect, cause a printing error, or even damage the print head.

This function makes a most reasonable input environment which matches up with the current media.



5.2.1 Press【**Media**】, it will display as below:



5.2.2 Press【↑】and【↓】, select the specific Tube media model. Then, press 【**Enter**】 to select tube size: 1.0, 4.0, 6.0.

5.2.3 Press【↑】and【↓】, select the specific Label media model. Then, press 【**Enter**】 to select label size: 6mm, 9mm, 12mm.

5.2.4 Press【↑】 and【↓】, select Shrink Tube, and press 【**Enter**】to go directly into a document input interface.

Note:

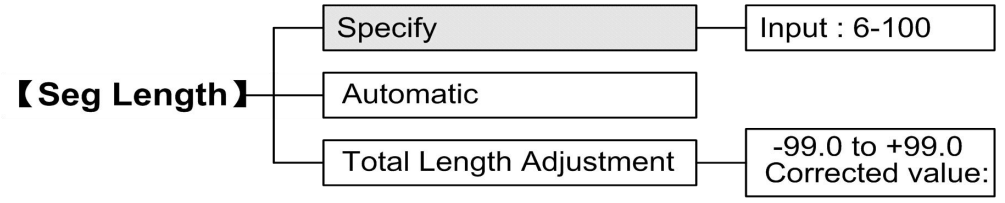
- After selecting media, when the character size is exceed the maximum allowable printing character size of current media, there will

be a notification on display screen as Character size exceeds limit. 【**ESC**】to return.

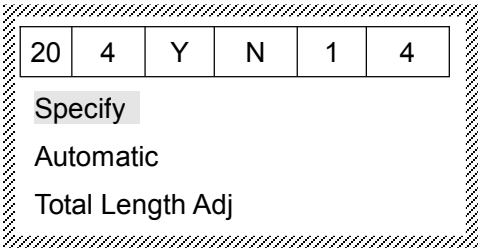
5.3 【Seg Length】

The specify and the automatic are effective to any segment that the cursor is located and all segments followed by. The adjustment is effective to all segments in the current document.

This function is used to set a segment length of media that you will print. The range of segment length is 6~100 mm, and the segment length can only be selected as an integer.

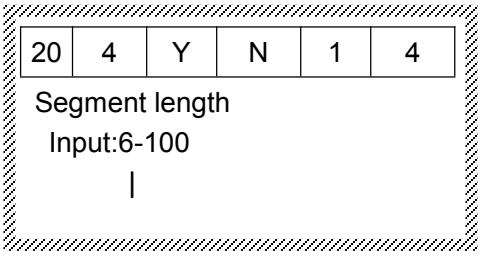


5.3.1 Press【**Seg Length**】, it will display as below:



5.3.2. Specify

After selecting Specify, press【**Enter**】, it will display as below:



After input the specified segment length directly at the cursor, press 【 **Enter** 】, the segment that the cursor is located and all segments followed by will be set as the specify and the interface will automatically return to the file input state.

For example, inputting “15” expresses that the segment length is 15mm.

Note:

- When inputting number of character exceed the specified segment length, there will be a notification Segment length exceeds limit.

5.3.3 Automatic

The function means that the segment length will be generated automatically according to all including Letters, Symbols, set Char space, Char size and others that you input actually.

Select Automatic, press 【**Enter**】, and the segment that the cursor is located and all segments followed by will be set as an automatic segment length and press 【**ESC**】to return automatically to the file input interface.

Note:

- After the automatic character size has been set, the automatic segment length cannot be used. Otherwise, there will be a notification Only character size or segment length can be set automatic【**ESC**】to return.

5.3.4 Total length adjustment

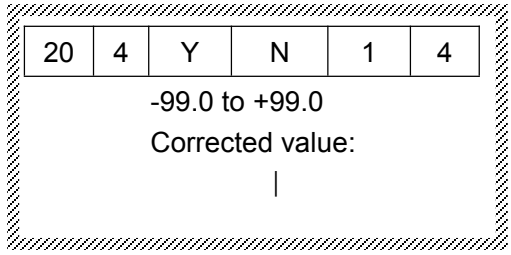
This function is used to correct the total print segment length.

E.g. when it is necessary to print the total segment length of terminal block marking tape and label, use this function.

For example, the segment length is set as 15mm and Repeated for 20 times, the total print segment length is set as 300mm. If the total segment length of actual print is 296mm, the correction method shall be shown as below.

A. Calculate the difference between the total print segment length in setting and the total actual print segment length in measurement: 300-296=4.

B. Press【**Seg Length**】, select Total Length Adjustment, press【**Enter**】, it will display as below:



Input “4”, press【**Enter**】, the interface will return to the file input state, and finish the setting of adjustment.

Now, the actual total print segment length will be adjusted as 300mm.

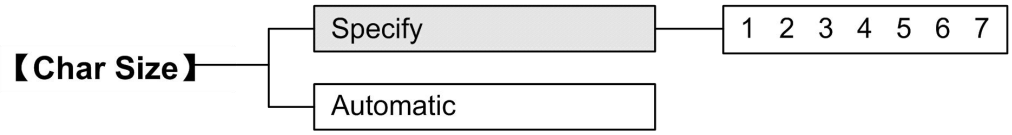
Note:

- The setting of adjustment may be effective only for the print operation of current content.

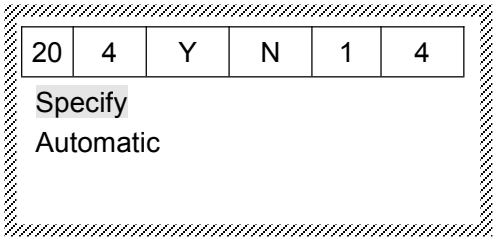
5.4 【Char Size】

The setting is effective for the segment that the cursor is located and all segments followed by.

This function is used to set the size of character.

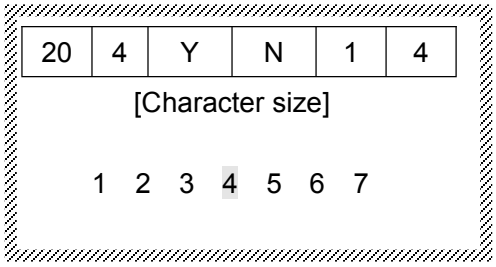


5.4.1 Press【**Char Size**】, it will display as below:



5.4.2 Specify

After selecting Specify, press 【**Enter**】, it will display as below:



Press【→】and【←】, move the cursor to certain character size that you want to select. Press【**Enter**】, all character sizes of the segment that the cursor is located and all segments followed by will be set the size of selected, and the interface will return automatically to the file input state.

Note:

- For the machine, the range of different character sizes has been defined according to different specifications and media. So when the character size that you select has been out of the specified range, there will be a prompt Character size exceeds limit.【**ESC**】to return.

5.4.3 Automatic

The function means that the machine will adjust the character size automatically to make the input be effective and ensure the segment length of media is unified after the specify has been set.

Select Automatic, press【**Enter**】, and the segment that the cursor is located and all segments followed by will be set as an automatic character size and the interface will return automatically to the file input state.

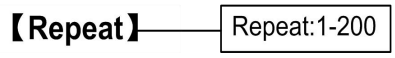
Note:

- After the automatic segment length has been set, the automatic character size cannot be used. Otherwise, there will be a notification Only character size or segment length can be set automatic【**ESC**】to return.

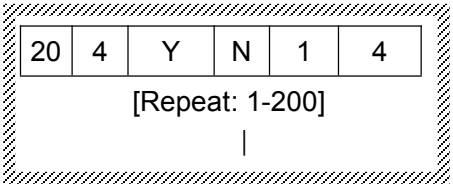
5.5 【Repeat】

After use the command, both the segment that the cursor is located and all segments followed by will be set with the same Repeat printing time.

This function is used to set the repeat printing times of set segment, and the repeat range is 1~200 times. The initial setting is repeating 1 time. Repeating 1 time means to print all selected document contents just 1 time.



Press【**Repeat**】, it will display as below:



Input any integer between 1 and 200 directly that you want to repeat. Press【**Enter**】, the segment that the cursor is located and all segments followed by will be printed repeatedly with the times that you input, and the interface will return automatically to the file input state.

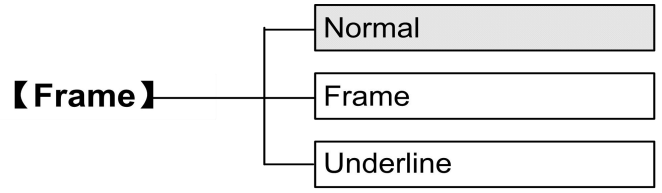
When the input integer is out of the allowable Repeating range, there will be a

notification Error! 【**Space**】again. Now, press 【**Space**】to return, and input available integer.

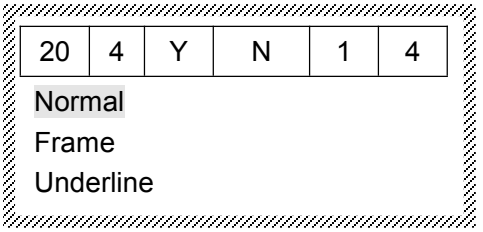
5.6 【Frame】

After use the command, both the segment that the cursor is located and all segments followed by will be set with the same Frame state.

This function is to add a frame or underline for the printed content of some certain segments. The initial setting is no frame.



5.6.1 Press【**Frame**】, it will display as below:



5.6.2 Normal

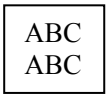
Select Normal, press 【**Enter**】, the print content of the segment that the cursor is located and all segments followed by will be no frame and no underline.

5.6.3 Frame and Underline

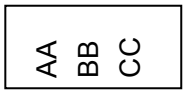
Press【↑】and【↓】, select Frame or Underline, press【**Enter**】, the print content of the segment that the cursor is located and all segments followed by will be added the frame or underline, and the interface will return automatically to the file input state.

Note:

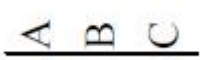
- Add a frame and there will be Frame displayed on screen. Add an underline and there will be Underline displayed on screen.
- When there is any double rows (horizontal), add a frame, and the print effect is shown as below:



- When there is any double rows (vertical), add a frame, and the print effect is shown as below:

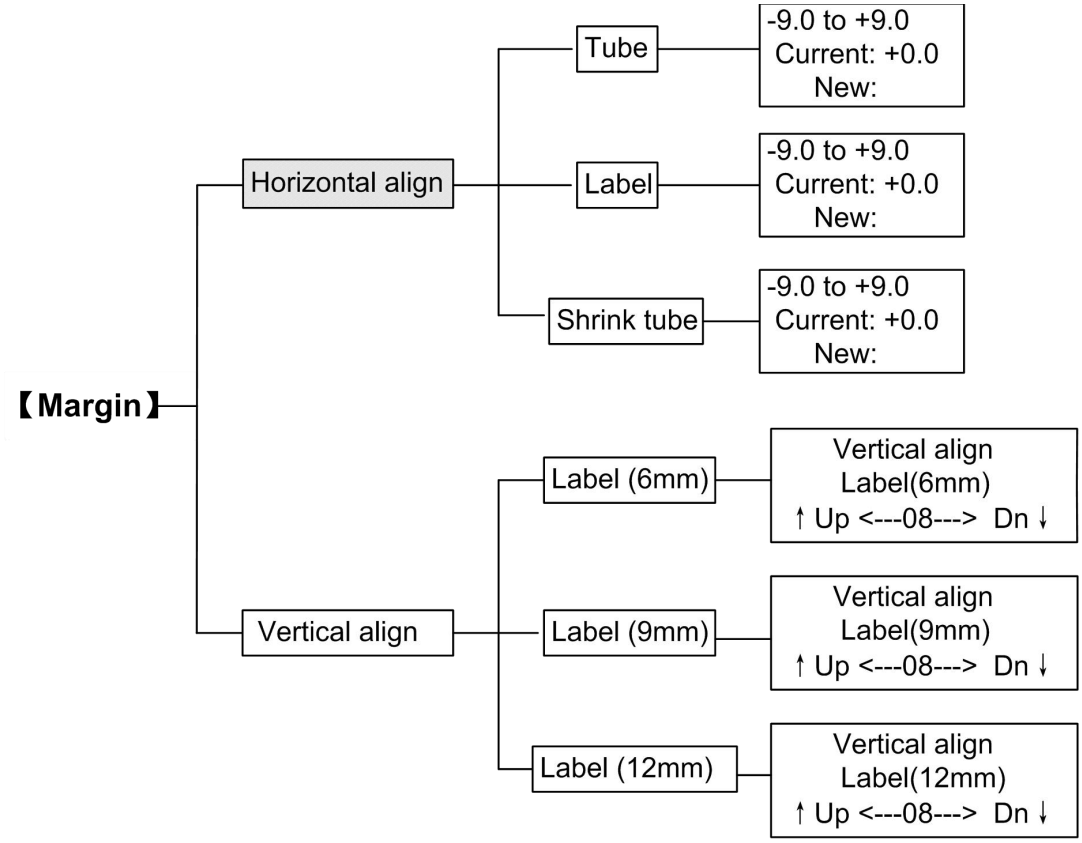


- When there is any single segment (vertical), add an underline, and the print effect is shown as below:

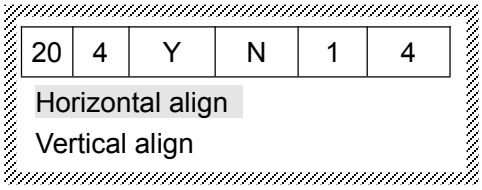


5.7【Margin】

The function is to adjust the print start position and vertical position. You can adjust the printing position slightly up/down or left/right.



Press【**Margin**】, it will display as below:

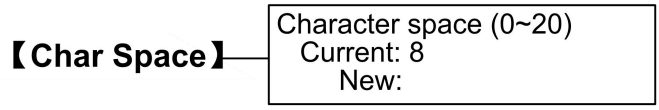


Press【↑】or【↓】.After selecting, press【**Enter**】, the segment that the cursor is located and all segments followed by will be set as the print direction that you select, and the interface will return automatically to the file input state.

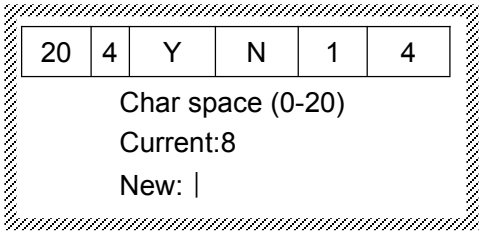
5.8 【Char Space】

The setting is effect for all print contents.

This function is to set the distance between characters.



Press【**Char Space**】, it will display as below:



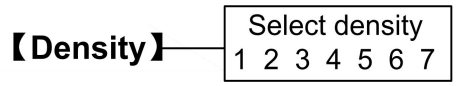
Input the character space you want to set directly, press【**Enter**】, and the character space of all segments will be set, and the interface will return automatically to the file input state.

Note:

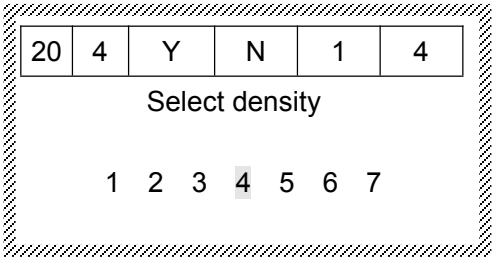
- When the character space you select is too large, there will be a notification on screen shown as Error! 【**Space**】again. Now, the interface will return to the file input state. Please reset it.
- The character space is 0-20, and the character space is increased in turn.

5.9 【Density】

This setting is effective for all print contents.



Press【**Density**】, and there will be a display on screen:



Press【←】or【→】. After selecting, press【**Enter**】 to complete the setting. The interface will return automatically to the document input state.1, 2, 3, 4, 5, 6 and 7, the print density will be increased in turn.

Select the print density according to the ambient temperature: the temperature

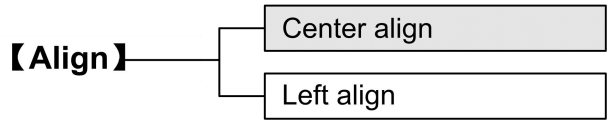
is high in summer. Please select the lower print density from 1.

5.10 【Align】

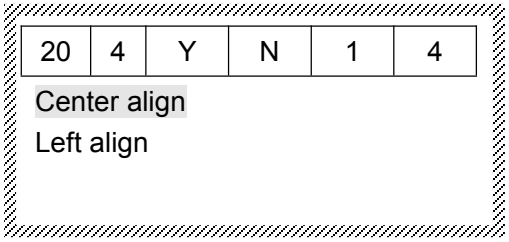
This setting is effect for all print contents.

The print position adjustment means to adjust the position of print contents finely towards to the left or right when there is any media or external condition to effect that the position of print content cannot be placed in the middle or aligned to the left like the pre-setting.

The initial setting is in the middle without any print position adjustment.



Press【**Align**】, it will display as below:



Press【↑】or 【↓】to select.

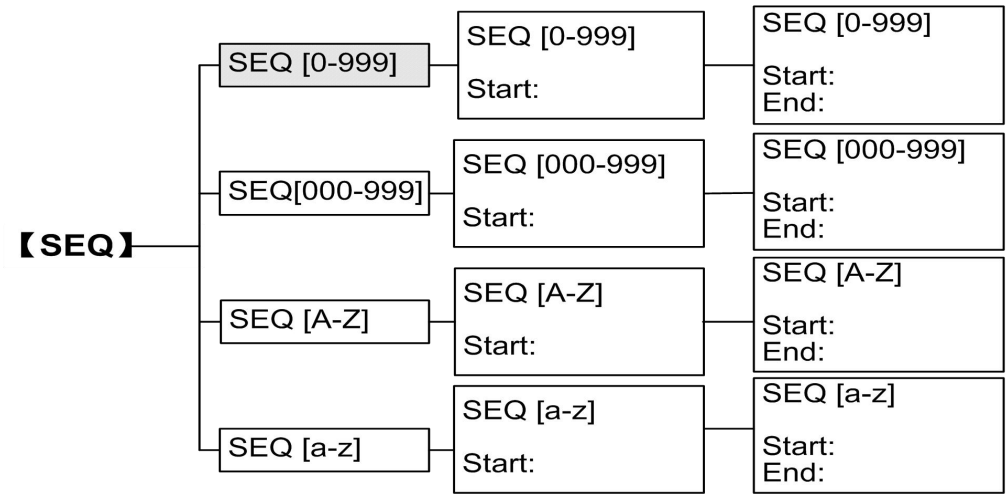
(1) Center align. Press【**Enter**】, the print content will be centered, and the interface will return automatically to the file input state.

(2) Left align. Press【**Enter**】, the print content will be aligned to the left, and the interface will return automatically to the file input state.

5.11 【SEQ】

The sequence print function can be realized at any position in some certain segment.

The function is to generate continuous segment contents according to some certain rules by inputting the limited values or letters. The digital SEQ is a decimal number. Sequence can just be set once in one segment.



5.11.1 Move the cursor to any position for sequence number printing in segment.

Press【**SEQ**】, it will display as below:

20	4	Y	N	1	4

SEQ【 0-999】
SEQ【000-999】
SEQ【 A-Z 】
SEQ【 a-z 】

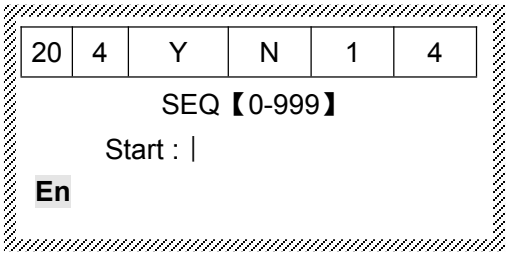
5.11.2 Insert SEQ.

5.11.2.1 Insert digital SEQ.

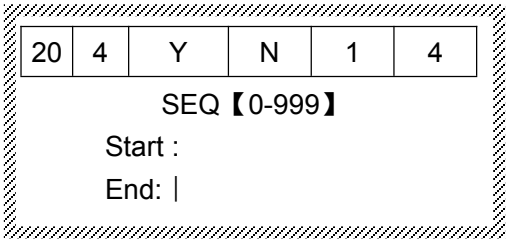
SEQ form: 0~999 means natural numbers such as 0, 1, 2,……999.

SEQ form: 000~999 means aligned numbers such as 001, 002,……999.

Press【↑】or【↓】to select the SEQ【0-999】.Press【**Enter**】 it will display as below:



Input a beginning digit sequence number, press【**Enter**】, it will display as below:



Input an end digit SEQ and complete the setting. Press【**Enter**】, and the interface will return automatically to the file input state.

Now, there will be a digital SEQ notification on file input interface.

The notification of natural digit SEQ (0~999) is .

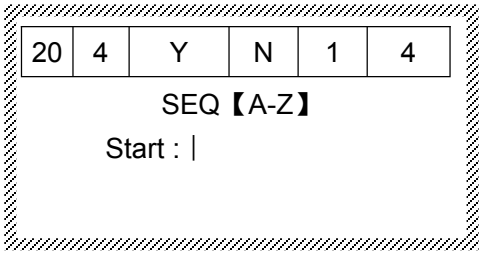
The notification of aligned digit SEQ (000~999) is .

5.11.2.2 Insert a letter SEQ.

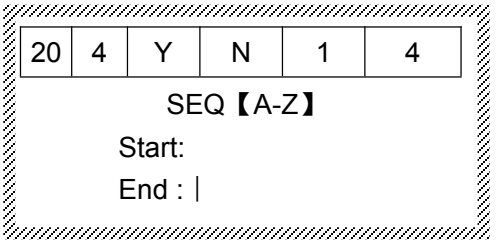
SEQ form: A-Z means uppercase English letters.

SEQ form: a-z means lowercase English letters.

After selecting SEQ【A-Z】, press【**Enter**】, it will display as below:



Input a beginning letter SEQ, press【**Enter**】, it will display as below:



Input an end letter SEQ and complete the setting. Press【**Enter**】, and the interface will return automatically to the file input state.

Now, there will be a letter SEQ notification on file input interface.

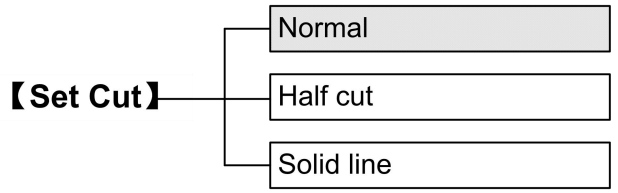
The notification of uppercase letter SEQ (A-Z) is .

The notification of lowercase letter SEQ (a-z) is .

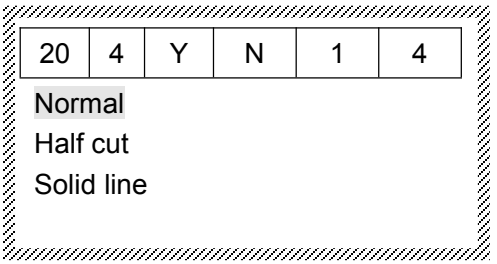
5.12 【Set Cut】

The setting is effect for all print contents.

This function is to set half cut, solid line, normal (neither half cut nor solid line). The initial setting is half cut.



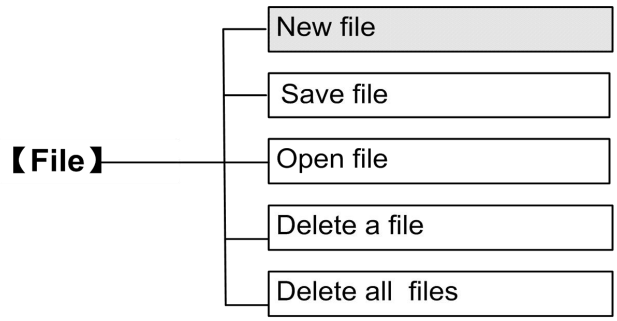
Press【**Set cut**】it will display as below:



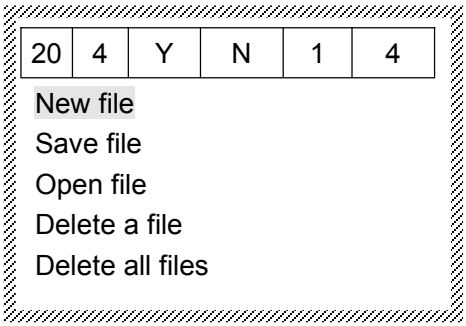
Press【↑】or【↓】.After selecting, press【**Enter**】to complete the setting. The interface will return automatically to the file input state.

5.13 【File】

This function is to specify a document name for all input data and then store in the machine. The stored file can be opened and deleted.



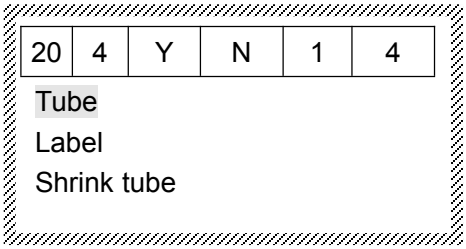
Press【**File**】 it will display as below:



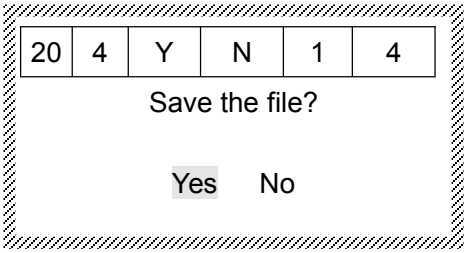
5.13.1 New file

After selecting New file, press【**Enter**】,

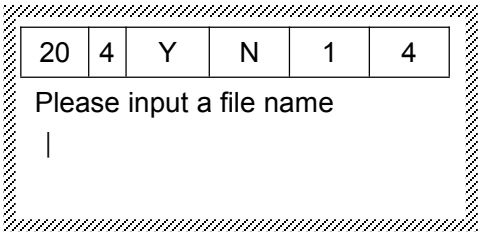
a) If there is not any content has been edited in operation, it will display as below:



b) If there is any content has been edited in operation, it will display as below:

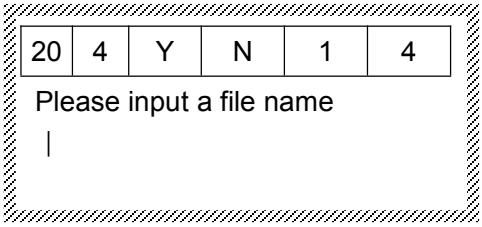


After selecting Yes, press【**Enter**】, it will display as below:



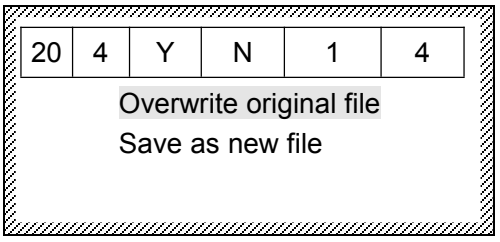
5.13.2 Save file

After selecting Save file, press【**Enter**】, it will display as below:



Input a document name (10 characters at most):

a) If there is any input file name or the current document has been stored in operation, it will display as below:



You may select to overwrite the original file or save it as a new file.

b) If there is not any previous file name that you input, press【**Enter**】to save the file and return to the document input interface after inputting the file name.

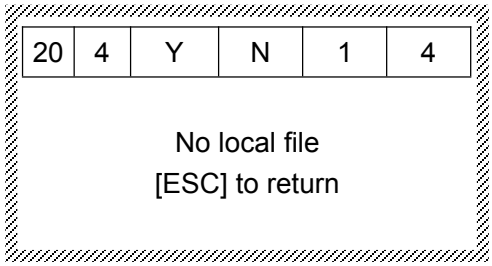
Note:

- The machine can store up to 100 files.

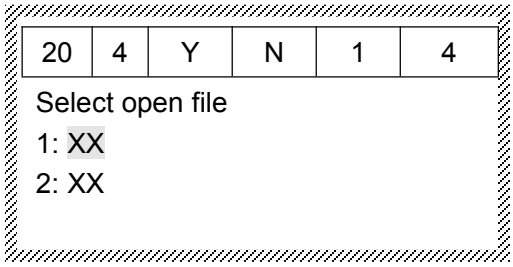
5.13.3 Open file

Select Open File, and press【**Enter**】,

a) If there is not any file, it will display as below:



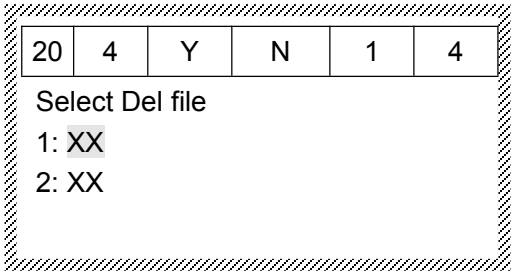
b) If there is any file, it will display as below:



Select a file name, press 【**Enter**】 to open the selected file. The opened file will overwrite the originally existing document.

5.13.4 Delete a file

After selecting Delete a File, press【**Enter**】, it will display as below:



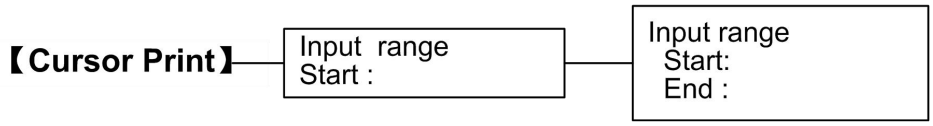
After selecting any file to delete, press【**Enter**】, the file will be deleted and the interface will return to the document input state.

5.13.5 Delete all files

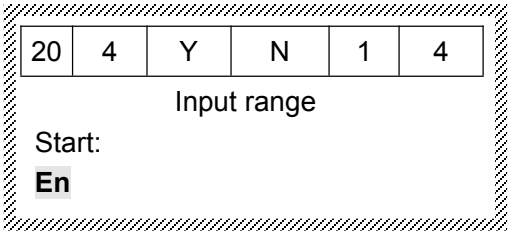
Select Delete all files, press【**Enter**】, all stored files will be deleted, and the interface will return to the document input state.

5.14 【Cursor Print】

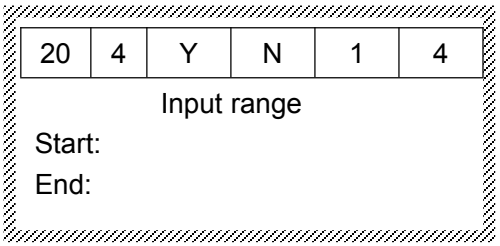
This function is to print according to the input range (the blank segment will not be printed).



Press【**Cursor Print**】, it will display as below:



After inputting a start segment, press【**Enter**】, it will display as below:



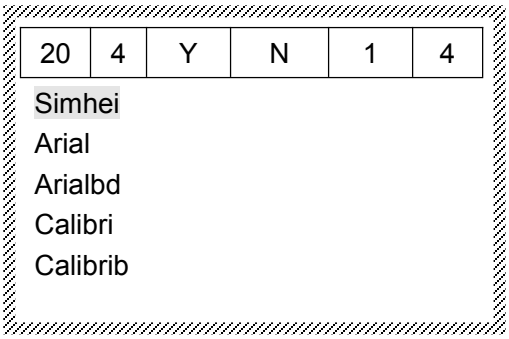
When input the number of end segment, press 【**Enter**】, and the tube printer will start to print.

If you do not input any start segment number, the default is to print from beginning. If you not input any end segment number, the default is to print until the end. This means that the machine will print from the beginning to the end if you do not input any start and end segment number.

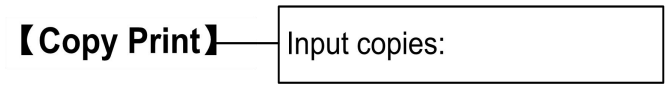
5.15 【Font】

This function is to select font.

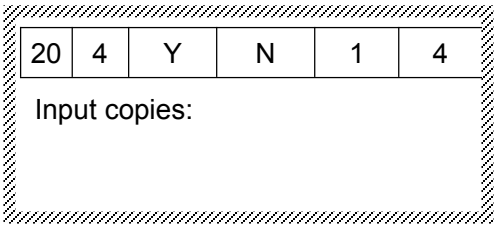
Press【**Font**】, it will display as below:



5.16 【Copy Print】



Press【**Copy Print**】, it will display as below:

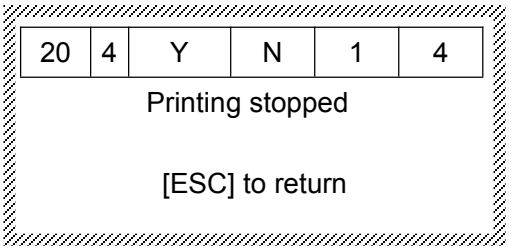


When you input the copy number, press【**Enter**】and the tube printer will start to print.

5.17 【Stop】

This function is to stop the printing action during the printing process.

Press【**Stop**】, the tube printer will stop printing, it will display as below:

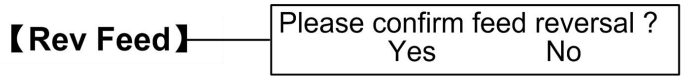


Note:

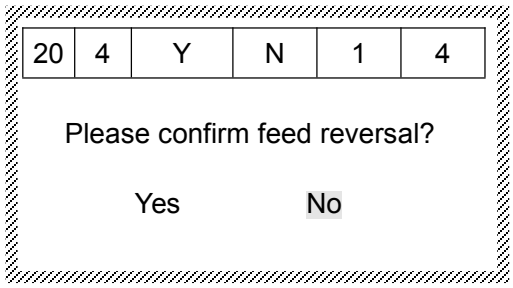
- During the printing process, only 【**Stop**】can work, any other button cannot work.

5.18 【Rev Feed】

This function is to reverse the rotation of rubber roller. When the printing objects jam on the rubber roller because of media difference or misuse, press the key to rotate it in reversion to take out the entanglement.



Press【**Rev Feed**】, it will display as below:



After selecting Yes, press【**Enter**】, the rubber roller may rotate reversely. Repeat the operation till get the entanglement out.

Note:

- Before taking the reverse operation, make sure to open the Upper Cover. The print head will return to a non-print state.

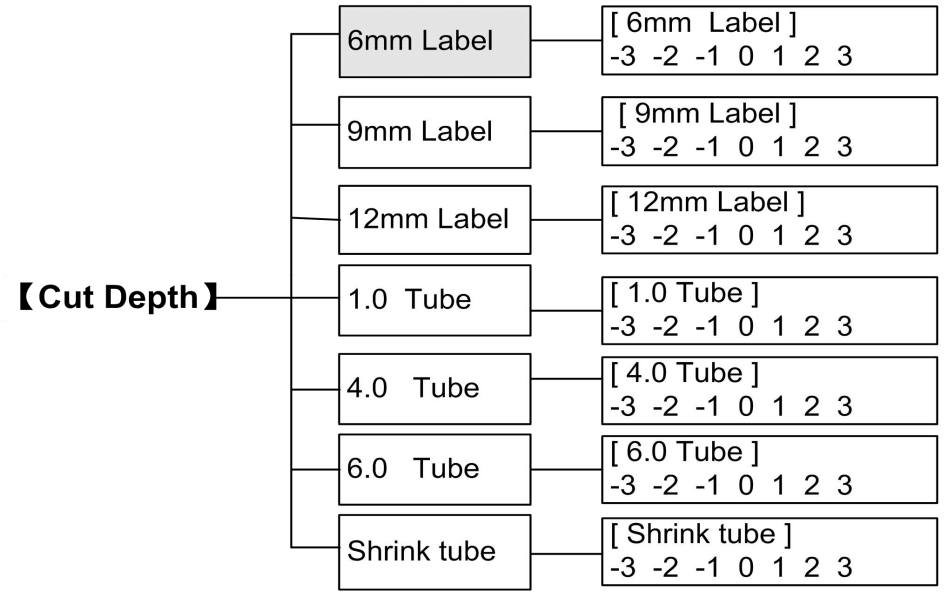
5.19 【Home】

This function is to move the cursor to the first segment of current file.

5.20 【End】

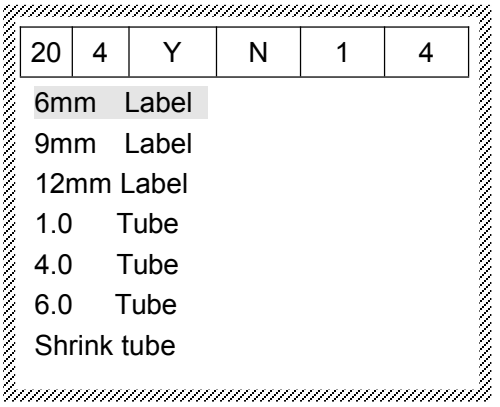
This function is to move the cursor to the last segment of current file.

5.21 【Cut Depth】



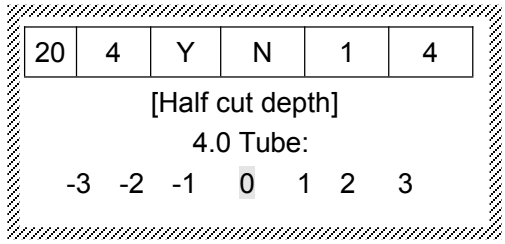
All half-cut depths of initial state are at the position of ”0”.

5.21.1 Press【**Cut Depth**】, it will display as below:



5.21.2 Adjustment of tube Half cut depth

Press【↑】or【↓】to select the model of pre-adjusted tube. If selecting 4.0, press【**Enter**】, it will display as below:

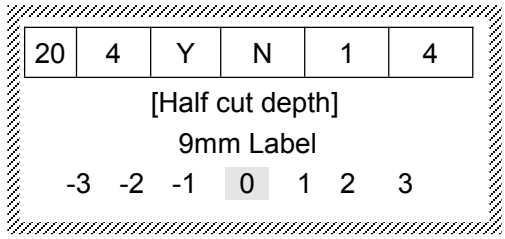


Press【→】or【←】to select an appropriate Half-cut depth, and complete the selection of tube Half-cut depth. The Half-cut depth will be increased from -3 to 3.

If there is still not any satisfied Half cut effect after selecting Depth of Half-cut 3, this indicates that the cutter unit may need to be replaced.

5.21.3 Adjustment of label half cut depth

Press 【↑】or【↓】to select the model of pre-adjusted label. After selecting 9 mm label, press【**Enter**】, it will display as below:

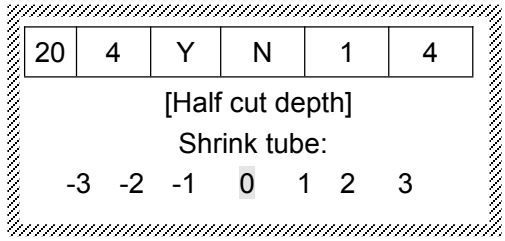


Press【→】or【←】to select, press【**Enter**】to complete the selection of label half cut depth. The Half cut depth will be increased from -3 to 3.

If there is still not any satisfied half cut effect after selecting Half-cut Depth 3, this indicates to replace the cutter unit necessarily.

5.21.4 Adjustment of heat shrink tube half-cut depth

After selecting Shrink tube, press【**Enter**】, it will display as below:



Press【→】or【←】to select, press【**Enter**】to complete the selection of heat shrink tube Half-cut depth. The half-cut depth will be increased from -3 to 3.

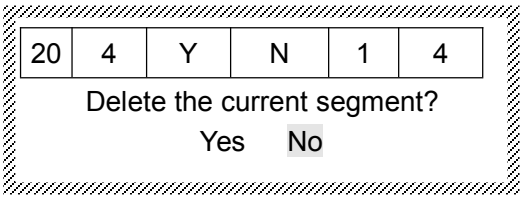
If there is still not any satisfied half-cut effect after selecting Half-cut Depth

3, this indicates to replace the cutter unit necessarily.

5.22 【Delete Seg】

This function is to delete the segment content that the cursor is located.

Move the cursor to any segment to be deleted. Press **【Delete Seg】**, it will display as below:



Select Yes to delete the segment.

The segment cannot be restored after being deleted. The rest segments will be reordered.

5.23 【Double Rows】

This function is to input double rows in a segment. Input the first line of content into the segment, then, move the cursor to the end of the segment. Press **【Double Rows】**, the double rows notification: = will appear, then, re-input the second row content.

Note:

- When printing double rows on 9mm label, character size can only be selected as 1 and 2.
- When printing double rows on 12mm label, character size can only be selected as 1, 2 and 3.
- Do not set any double rows if print 0.5^2, 0.75^2, 1.0^2, 1.5^2, 2.5^2, and 4.0^2 tubes.
- When printing double rows on 6.0^2 tube, character size can only be selected as 1 and 2.
- After setting a double rows print, press the double rows key, and there will be a display shown on screen: Already double rows.

5.24 【X^2】【X_2】

This function is to generate a superscript or subscript.

5.24.1 X^2

After moving the cursor to a character to generate the superscript, press

【X^2】and there will be a superscript notification after the character appears .

Then input a superscript character. For example, input a superscript 2 following with a character 5, the print effect is 5^2.

5.24.2 X_2

After moving the cursor to a character to generate the subscript, press 【X_2】and there will be a subscript notification after the character appears.

Then input a subscript character. For example, input a subscript 2 following with Character A, the print effect is A_2.

Note:

- Once press the button of X^2/ X_2, there is only one X^2/ X_2. If one character will generate many X^2/ X_2, Repeat to press the button of X^2/ X_2.
- The X^2/ X_2 is invalid for all size 1 character.

5.25 【Print】

This function is to print all segment contents of current document after various functions have been set and contents have been input.

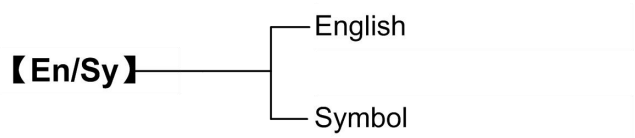
Blank segment will not be printed.

During a printing process, there will be Printing…… shown on screen.

5.26 【Caps Lock】

This function is to transfer the uppercase and lowercase. The initial setting is uppercase.

5.27 【En/Sy】



The function is to converse the input functions English and special symbols. The initial setting is English uppercase.

press【En/Sy】, select the English or Symbols

Select Sy , input number 1-8,you can select different symbols

Note:

- En: English Input method.
- Sy: Special symbol Input method.

5.28 【Backspace】

This function is to delete characters in front of the cursor.

Move the cursor to the back of characters to be deleted. Press【**Backspace**】to delete characters in front of cursor.

Press【**Backspace**】and hold to delete all characters in the segment. But the SEQ of segment cannot be deleted. Any blank segment generated in the process will not be printed.

If delete any segment, press【**Delete Seg**】.

Note:

- Any character will not be restored after being deleted.

5.29 【→】,【←】

This function is to move the position of cursor or carry out other function options.

5.30 【↑】,【↓】

This function is to move the cursor among segments or carry out other function options.

5.31 【Shift】

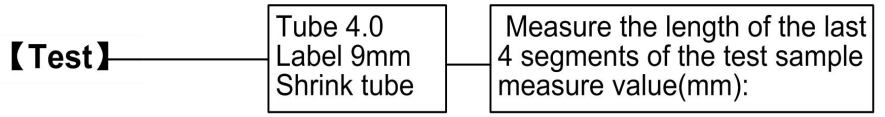
This is the Shift key.

5.32 【Test】

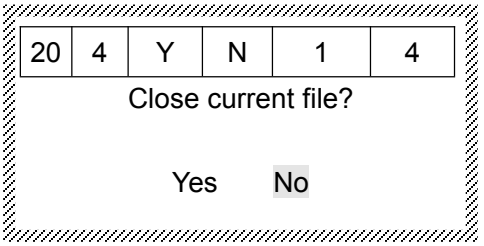
This function is to test the print effect of tube printer.

Because of environment temperature difference or media material difference, the actual printing segment length may be different from the setting segment length.

This function is useful when there is a large difference between the actual printing segment length and setting segment length.

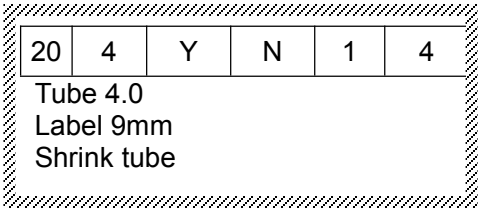


5.32.1 Press【**Test**】, it will display as below:



Select No, and return to the file input interface;

Select Yes, it will display as below:



5.32.2 Test

Select Tube 4.0, confirm installing the tube, press【**Enter**】, and start to print.

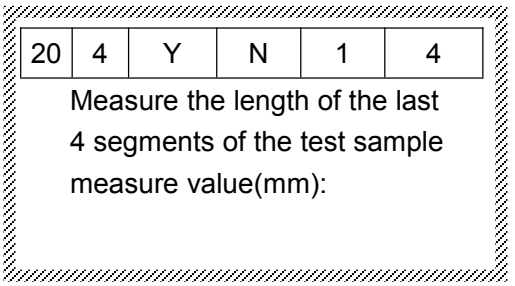
Select Label 9mm, confirm installing the label, press【**Enter**】, and start to print.

Select Shrink tube, confirm installing the heat shrink tube, press 【**Enter**】, and start to print.

Now, you can check the print effect of tube printer.

5.32.3 Adjustment

After printing, it will display as below:



For example, the total actual segment length of last 4 segments is 98.5mm in measured print. After input “98.5”, press【**Enter**】.

By the function, you can adjust the actual printing segment length to be consistent with the setting segment length.

5.33 【Enter】

This function is used for inserting a new segment between two previous segments or at the end of the file.

5.33.1 Inserting a new segment at the end of file.

Move the cursor to the last segment in the file. Press【**Enter**】and there will be a new segment.

5.33.2 Insert a new segment between two previous segments.

Move the cursor to the certain segment, press【**Enter**】and there will be a new segment generating between the two previous segment.

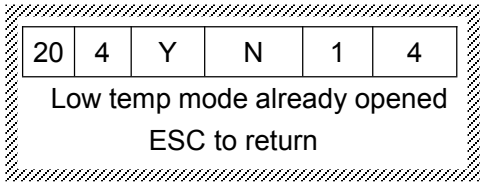
Note:

- The setting of the new segment is same as the previous one.
- The sequence number of new segment shall be arranged in sequence. The number of segments in one file is up to 200.
- Any newly generating segment will be ignored in printing if contents are not input.

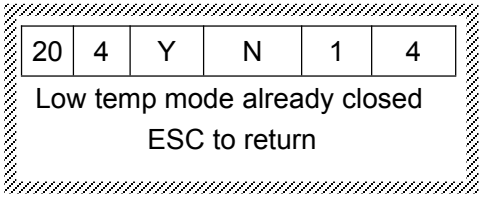
5.34 Low Temp Mode

This function is to set the low temperature mode.

The screen is in an editing interface. Press【**Ctrl**】+【**Shift**】+【**D**】at the same time, it will display as below:



Press【**Ctrl**】+【**Shift**】+【**D**】again, it will display as below:

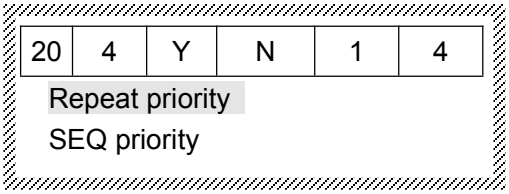


5.35 Screen Brightness Adjustment

Press【**Ctrl**】and【**Shift**】at the same time, combine with【→】,【←】,【↑】,and【↓】to adjust the screen brightness and contrast.

5.36 Repeat and SEQ Priority Print Settings

When the tube printer is in an editing interface, press【**Ctrl**】+【**Shift**】+【**A**】at the same time, it will display as below:



Select any project to print in priority with【↑】and【↓】.

Note:

- If the certain segment is both set SEQ and Repeat, Repeat is prior to SEQ.

Chapter 6 Performance Description

Model	TP76E
External function	Independent operation + computer control
Printing method	Thermal transfer
Resolution	300dpi
Character size selection	Label: No.1~7 Tube: No.1~5
Segment length setting	6-100 mm
Repeat times	1~200 times
Tube size	0.5 mm^2-6 mm^2
Label size	6 mm, 9 mm, 12 mm
Print speed	35 segments/min (half-cut, 20 mm/segment)
Display	Large white backlit LCD can display 5-row-and-2-column input contents
Printable character	English, digit and special symbol
Input mode	English, Special symbol
Number of files that can be stored	Up to 100 files, each file contains up to 200 segments
Media cutting way	Automatic half-cut and automatic full-cut
Tube feeding mode	Automatic tube feeding
Keyboard	English 85-key standard keyboard
Power supply	DC 12V 3A (both connection wire and adapter had passed through 3C certification)
Dimension	L×W×H: 320mm×276mm×100mm
Weight	3.2kg
Operating ambient temperature	15℃-35℃

Chapter 7 Computer Software of TP76E High-Speed Computer Tube Printer

Before connecting with the computer, please exit the tube printer from function key operation interface to file input interface.

7.1 Software Configuration of TP76E Tube Printer

CPU: PIII 500

Memory: 32M

Hard disk: 200M free space

Operating system: Windows XP/Win 7/Win 8

The system which is equal or higher than the above configuration can operate the software without any problem.

Chapter 8 Others

8.1 Specification of Original Consumables

Type	Name	Specification and Model
Ribbon	Ribbon cassette (Black) (100m/box)	TP-R100EB
	Ribbon cassette (Red) (80m/box)	TP-R80ER
	Ribbon cassette (White) (80m/box)	TP-R80EW
Label	Label cassette tape (White 12mm) (16m/box)	TP-L12EW
	Label cassette tape (Yellow 12mm) (16m/box)	TP-L12EY
	Label cassette tape (Silver 12mm) (16m/box)	TP-L12ES
	Label cassette tape (White 9mm) (16m/box)	TP-L09EW
	Label cassette tape (Yellow 9mm) (16m/box)	TP-L09EY
	Label cassette tape (Silver 9mm) (16m/box)	TP-L09ES
	Label cassette tape (White 6mm) (16m/box)	TP-L06EW
	Label cassette tape (Yellow 6mm) (16m/box)	TP-L06EY
	Label cassette tape (Silver 6mm) (16m/box)	TP-L06ES
Cutters	Cutters	TP-HC12E

8.2 How to Operate the Tube Printer Correctly

1. It is important to keep the tube clean. In this case, it can protect the print head and keep the inside of your machine clean.
2. Ensure there is no external force on tube to guarantee a smooth feeding process.
3. Do not dismantle the machine without any authorization. The tube printer is a sophisticated machine. Inexperienced personnel action may damage machine parts and lose the warranty service.
4. After operation, put it into the hard case.

8.3 Simple Troubleshooting

TP76E Tube Printer		
Fault Phenomenon	**Fault Cause**	**Troubleshooting Method**
The content is not centered after half-cut	Different media with different segment lengths	Please adjust the position of contents in segment length by Margin.
Actual segment length is different from the setting	Different media	Please adjust by the Test function.
Half-cut effect is not good	The half cutter is blunt	Please replace it with a new one.
No printing action on segment printing	Not install any driving software	Please install the driving software.
Printing is not clear	Tube media is too hard There are stains on tube surface	Please clean the tube or replace it with a qualified one.
	Ribbon is curled	Please take it out. Use it after coiling and leveling, or replace it.
	Print head is worn or scratched	Please replace it.
	Media specification does not set correctly.	Please change the media type setting of machine which should be same as the one in actual operation.
	Ambient temperature is too low or high	Please adjust the printing density or change the ambient temperature of machine operation.
Print content is incomplete	Character size is set too large	Please reset a smaller character size.
	Ribbon is out of way	Please take it out and adjust it
	Media specification does not set correctly	Please change the media type setting of machine which should be same as the one in actual operation
	Print head is worn or scratched	Please replace it.

Act without print content	Print head does not connect correctly	Connect the print head correctly
	Print head is damaged	Please replace it.
Label sticks to cutter	Half-cut is too deep	Select a smaller half-cut depth.
	Adhesive on blade	Clean the blade
Ribbon is out of way and curled	Tube adjuster	Replace the tube adjuster
	Ribbon	Replace the ribbon
Roller is wrapped with label	Rubber is left on label surface	Press [Rev Feed] to take it out
Print media are not fed	External force on tube	Ensure the tensile force on tube is no more than 5.0N. Otherwise, the printer will not feed media successfully.
	Roller is not clear	Please clean the roller.
	Foreign body in channel	Clean the channel

8.4 List of Special Symbols

Part_1

Symbol	、	。	·	‾	ˇ	¨	〃	々	—	～
Number	1	2	3	4	5	6	7	8	1	2
‖	…	‘	’	“	”	〔	〕	〈	〉	《
3	4	5	6	7	8	1	2	3	4	5
》	「	」	『	』	〖	〗	【	】	±	×
6	7	8	1	2	3	4	5	6	7	8
÷	∶	∧	∨	∑	∏	∪	∩	∈	∷	√
1	2	3	4	5	6	7	8	1	2	3
⊥	//	∠	⌒	⊙	∫	∮	≡	≌	≈	∽
4	5	6	7	8	1	2	3	4	5	6
∝	≠	≮	≯	≤	≥	∞	∵	∴	♂	♀
7	8	1	2	3	4	5	6	7	8	1
°	′	″	℃	$	¤	¢	£	‰	§	№
2	3	4	5	6	7	8	1	2	3	4
☆	★	○	●	◎	◇	◆	□	■	△	▲
5	6	7	8	1	2	3	4	5	6	7
※	→	←	↑	↓	〓					
8	1	2	3	4	5					

Part_2

Symbol	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Number	1	2	3	4	5	6	7	8	1	2
11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	(1)
3	4	5	6	7	8	1	2	3	4	5
(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
6	7	8	1	2	3	4	5	6	7	8
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	①	②	③
1	2	3	4	5	6	7	8	1	2	3
④	⑤	⑥	⑦	⑧	⑨	⑩	㈠	㈡	㈢	㈣
4	5	6	7	8	1	2	3	4	5	6
㈤	㈥	㈦	㈧	㈨	㈩	Ⅰ	Ⅱ	Ⅲ	Ⅳ	Ⅴ
7	8	1	2	3	4	5	6	7	8	1
Ⅵ	Ⅶ	Ⅷ	Ⅸ	Ⅹ	Ⅺ	Ⅻ				
2	3	4	5	6	7	8				

Part_3

Symbol	⏚	㊡	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ
Number	1	2	3	4	5	6	7	8	1	2
Ⓘ	Ⓙ	Ⓚ	Ⓛ	Ⓜ	Ⓝ	Ⓞ	Ⓟ	Ⓠ	Ⓡ	Ⓢ
3	4	5	6	7	8	1	2	3	4	5
Ⓣ	Ⓤ	Ⓥ	Ⓦ	Ⓧ	Ⓨ	Ⓩ	mm	cm	km	mm^2
6	7	8	1	2	3	4	5	6	7	8
cm^2	m^2	km^3	mm^3	cm^3	m^3	cc	ml	dl	l	mg
1	2	3	4	5	6	7	8	1	2	3
Kg	Å	℃	℃	mA	KΩ	KW	Hz	%	‰	col
4	5	6	7	8	1	2	3	4	5	6
¥	$	¢	£	TEL	FAX	Kk.	No.	am	pm	
7	8	1	2	3	4	5	6	7	8	

Part_4

Symbol	ぁ	あ	ぃ	い	ぅ	う	ぇ	え	ぉ	お
Number	1	2	3	4	5	6	7	8	1	2
か	が	き	ぎ	く	ぐ	け	げ	こ	ご	さ
3	4	5	6	7	8	1	2	3	4	5
ざ	し	じ	す	ず	せ	ぜ	そ	ぞ	た	だ
6	7	8	1	2	3	4	5	6	7	8
ち	ぢ	っ	つ	づ	て	で	と	ど	な	に
1	2	3	4	5	6	7	8	1	2	3
ぬ	ね	の	は	ば	ぱ	ひ	び	ぴ	ふ	ぶ
4	5	6	7	8	1	2	3	4	5	6
ぷ	へ	べ	ぺ	ほ	ぼ	ぽ	ま	み	む	め
7	8	1	2	3	4	5	6	7	8	1
も	ゃ	や	ゅ	ゆ	ょ	よ	ら	り	る	れ
2	3	4	5	6	7	8	1	2	3	4
ろ	ゎ	わ	ゐ	ゑ	を	ん				
5	6	7	8	1	2	3				

Part_5

Symbol	ァ	ア	ィ	イ	ゥ	ウ	ェ	エ	ォ	オ
Number	1	2	3	4	5	6	7	8	1	2
カ	ガ	キ	ギ	ク	グ	ケ	ゲ	コ	ゴ	サ
3	4	5	6	7	8	1	2	3	4	5
ザ	シ	ジ	ス	ズ	セ	ゼ	ソ	ゾ	タ	ダ
6	7	8	1	2	3	4	5	6	7	8
チ	ヂ	ッ	ツ	ヅ	テ	デ	ト	ド	ナ	ニ
1	2	3	4	5	6	7	8	1	2	3
ヌ	ネ	ノ	ハ	バ	パ	ヒ	ビ	ピ	フ	ブ
4	5	6	7	8	1	2	3	4	5	6
プ	ヘ	ベ	ペ	ホ	ボ	ポ	マ	ミ	ム	メ
7	8	1	2	3	4	5	6	7	8	1
モ	ャ	ヤ	ュ	ユ	ョ	ヨ	ラ	リ	ル	レ
2	3	4	5	6	7	8	1	2	3	4
ロ	ヮ	ワ	ヰ	ヱ	ヲ	ン	ヴ	ヵ	ヶ	
5	6	7	8	1	2	3	4	5	6	

Part_6

Symbol	A	B	Γ	Δ	E	Z	H	Θ	I	K
number	1	2	3	4	5	6	7	8	1	2
Λ	M	N	Ξ	O	Π	P	Σ	T	Y	Φ
3	4	5	6	7	8	1	2	3	4	5
X	Ψ	Ω	α	β	γ	δ	ε	ζ	η	θ
6	7	8	1	2	3	4	5	6	7	8
ι	κ	λ	μ	ν	ξ	o	π	ρ	σ	τ
1	2	3	4	5	6	7	8	1	2	3
υ	ϕ	χ	ψ	ω						
4	5	6	7	8						

Part_7

Symbol	А	Б	В	Г	Д	Е	Ё	Ж	З	И
Number	1	2	3	4	5	6	7	8	1	2
Й	К	Л	М	Н	О	П	Р	С	Т	У
3	4	5	6	7	8	1	2	3	4	5
Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы	Ь	Э	Ю
6	7	8	1	2	3	4	5	6	7	8
Я	а	б	В	Г	Д	е	ё	Ж	З	И
1	2	3	4	5	6	7	8	1	2	3
й	К	Л	М	Н	О	П	Р	С	Т	У
4	5	6	7	8	1	2	3	4	5	6
ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы	Ь	Э	Ю
7	8	1	2	3	4	5	6	7	8	1
Я										
2										

Part_8

Symbol	ā	á	ǎ	à	ē	é	ě	è	ī	í
Number	1	2	3	4	5	6	7	8	1	2
ǐ	ì	ō	ó	ǒ	ò	ū	ú	ǔ	ù	ǖ
3	4	5	6	7	8	1	2	3	4	5
ǘ	ǚ	ǜ	ü	ê	ㄅ	ㄆ	ㄇ	ㄈ	ㄉ	ㄊ
6	7	8	1	2	3	4	5	6	7	8
ㄋ	ㄌ	ㄍ	ㄎ	ㄏ	ㄐ	ㄑ	ㄒ	ㄓ	ㄔ	ㄕ
1	2	3	4	5	6	7	8	1	2	3
ㄖ	ㄗ	ㄘ	ㄙ	ㄚ	ㄛ	ㄜ	ㄝ	ㄞ	ㄟ	ㄠ
4	5	6	7	8	1	2	3	4	5	6
ㄡ	ㄢ	ㄣ	ㄤ	ㄥ	ㄦ	ㄧ	ㄨ	ㄩ		
7	8	1	2	3	4	5	6	7		