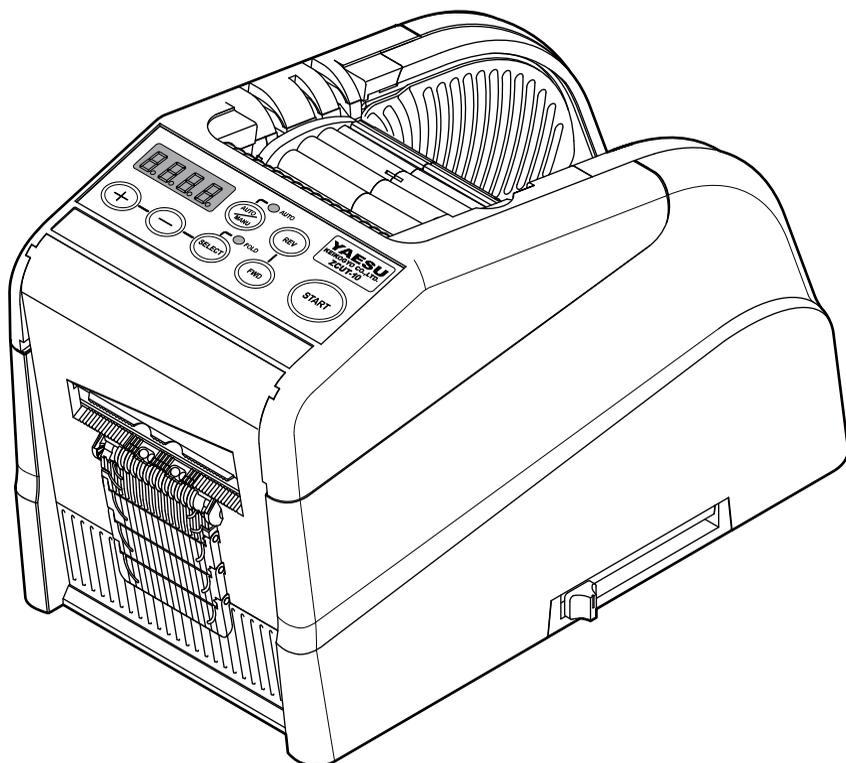**AUTO TAPE DISPENSER**

# ZCUT-10

INSTRUCTION MANUAL



CE

## Please read before use

Thank you very much for purchasing our tape dispenser ZCUT-10.
Most of the function is the same as ZCUT-9GR, but the function to
fold the tape edge is added.
This is most effective feature to remove a tape very easily in prod-
uction process required or end customers removing a tape.
Please read this instruction manual carefully in order to use this
machine properly.
After that, please keep this manual in your file and read it again as
need arises.

## Contents

## Safety Instructions

The safety guidelines in this Instruction Manual must be observed in order to prevent damage to the machine or injury to the operator or other persons.

The safety guidelines presciribed "Warning " and "Caution" describe possible injury or damage that may be suffered from operating or maintaining the machine in a manner other than as described in this Instruction Manual.

Read and follow the safety precautions carefully before reading the Instruction Manual.

## Definition of Warning and Caution Symbols

⚠ Warning    Indicates a potentially hazardous situation which if not avoided, could result in death or serious injury.

⚠ Caution    Indicate that miss-handing may result in danger and that the operator is at risk of injury, or the machine is at risk of damage.

△    Indicates Caution
A symbol within the triangle, or the description, will indicate a specific hazard.

🚫    A Prohibited Action
A symbol within the circle, or the description, will indicate prohibited action.

⬤    A Required Action
A symbol within the circle, or the description, will indicate the required action.

# ⚠ Warning

⚡ Do not plug in, unplug the cord, or operate the machine with wet hands.

Failure to observe this may result in injury due to electric shock.

✋ Never insert your finger, or any other body part, or any foreign object into the machine.

Failure to observe this may result in injury.

⚠ Keep hair or loose clothing away from the machine while it is operating.

Failure to observe this may result in injury.

🚫 This machine is intended for industrial use only.

Do not allow untrained operators or children to operate the machine.
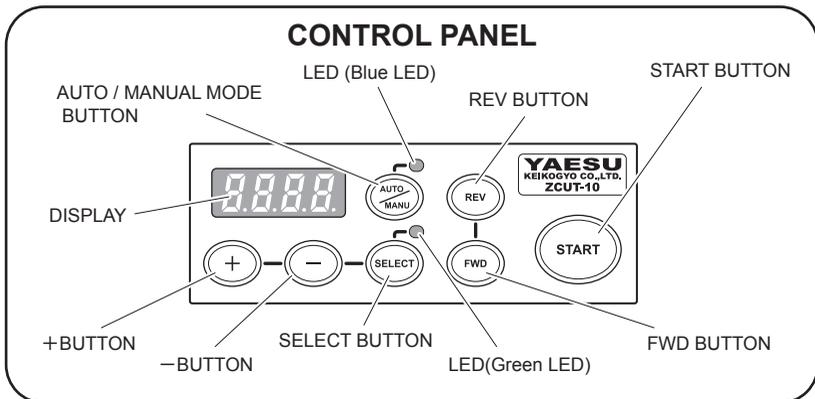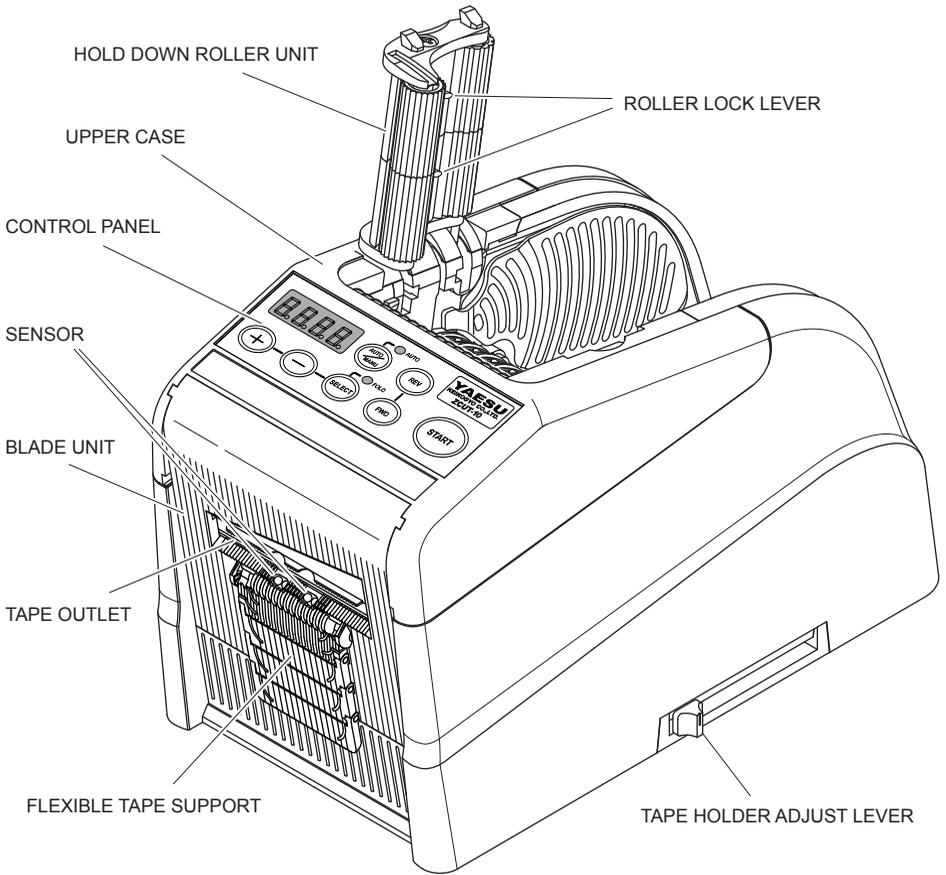
Failure to observe this may result in injury.

🔌 Turn off the power switch and unplug the machine prior to replacing the blade unit or peforming any maintenance on the machine.

Failure to observe this may result in serious injury.
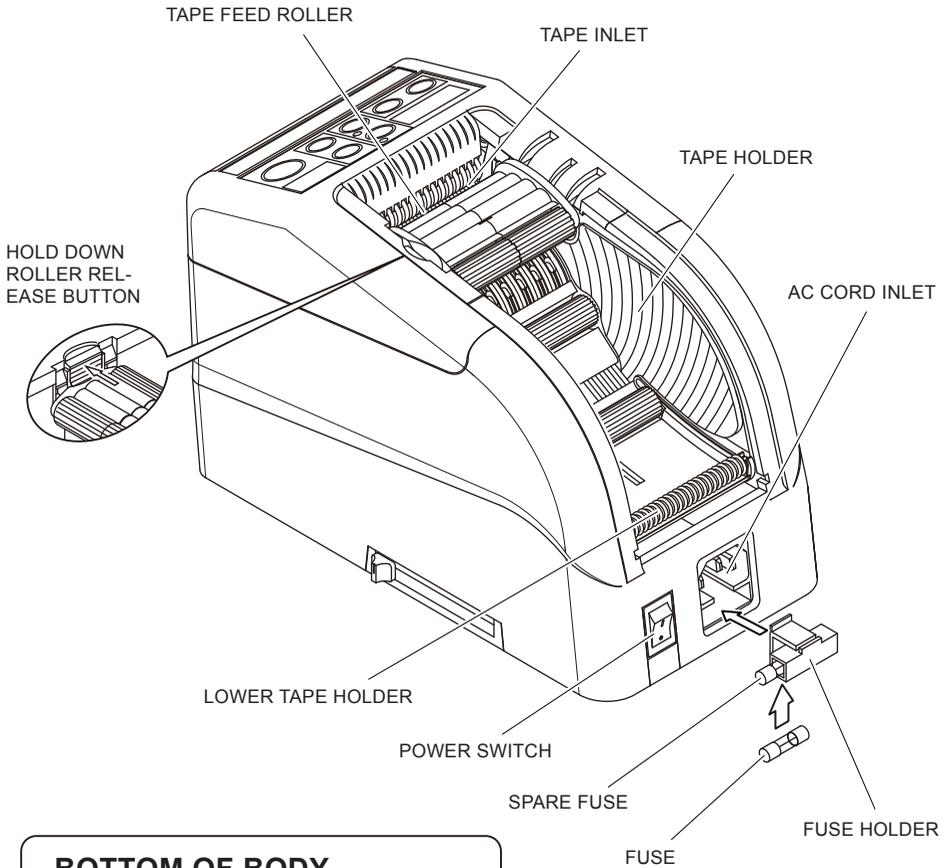
🚫 Do not use this machine for anything other than its specified applications.

Use of the machine for any unintended applications can cause injury to the operator or failure of the machine.

# Identification Of Parts

HOLD DOWN ROLLER UNIT

ROLLER LOCK LEVER

UPPER CASE

CONTROL PANEL

SENSOR

BLADE UNIT

TAPE OUTLET

FLEXIBLE TAPE SUPPORT

TAPE HOLDER ADJUST LEVER

## CONTROL PANEL

LED (Blue LED)

AUTO / MANUAL MODE BUTTON

REV BUTTON

START BUTTON

DISPLAY

+BUTTON

−BUTTON

SELECT BUTTON

LED(Green LED)

FWD BUTTON

YAESU
KEIKOGYO CO.,LTD.
ZCUT-10

5

TAPE FEED ROLLER

TAPE INLET

TAPE HOLDER

HOLD DOWN ROLLER RELEASE BUTTON

AC CORD INLET

LOWER TAPE HOLDER

POWER SWITCH

SPARE FUSE

FUSE

FUSE HOLDER

## BOTTOM OF BODY

BLADE UNIT RELEASE LEVER

SEPARATOR

BLADE OIL

GUIDE PLATE

ASSIST STAND

# Load the Tape

◆ Plug in the AC CORD to the AC CORD INLET.

◆ Make sure the POWER SWITCH is off then plug into an appropriate grounded AC outlet.

◆ Turn the POWER SWITCH on.

  When the POWER SWITCH is turned on, a buzzer will has a sound.

  At this moment, the mode is set to MANUAL.

◆ Press the HOLD DOWN ROLLER RELEASE BUTTON.

◆ Place a roll of tape in the machine.

◆ Hold the tape by adjusting the TAPE HOLDERS.

  Adjust the TAPE HOLDERS to a proper width, slide the TAPE HOLDER ADJUST LEVER from the front to the rear of the machin then close it.

  The TAPE HOLDERS should hold the roll lightly in the center of the cavity of the machine.

  This is very important because it keeps the tape in the center.

  The tape passes over the SENSOR in front of the BLADE UNIT.

  To support a larger roll of tape, pull the LOWER HOLDER out.

◆ Put the tape on the TAPE FEED ROLLER.

◆ Press the FWD BUTTON until the tape comes out from the TAPE OUTLET.

  When using a strong sticky adhesive tape, pull a little bit tape out in positioning into the TAPE INLET.

  Press the FWD BUTTON continuously for a few seconds, also help the tape in positioning in the TAPE INLET.

◆ After the tape is loaded and the TAPE HOLDERS are adjusted, close the HOLD DOWN ROLLER UNIT.

◆ Press the START BUTTON.
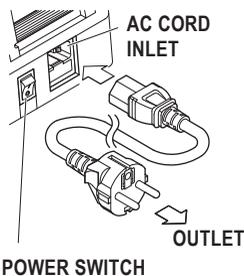
  Remove the first piece of tape and discard it.
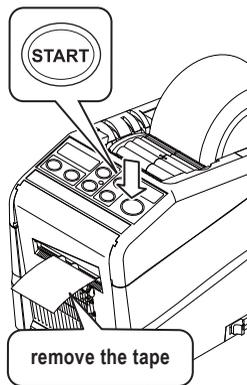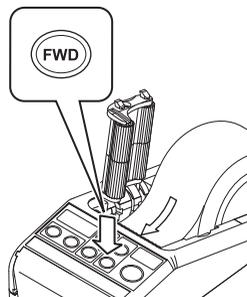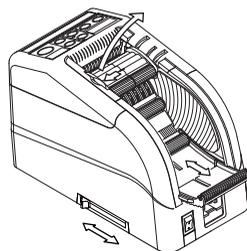
> **!** Always use Tweezers to remove tape.

> **!** Whenever set the tape, make sure that adhesive side of tape is always faced down.

◆ When you take the roll of tape out from the machine, pull the tape backward and pressing REV BUTTON.



**AC CORD INLET**

**OUTLET**

**POWER SWITCH**
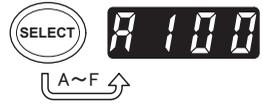




FWD



START

**remove the tape**

# Set the Tape Length

◆Make sure that DISPLAY indicating <cutting length>.

The cutting length is always indicates in some alphabets like A,b,C,d,E,F.

◆Set the cutting length.

Set your needed length by using +/- BUTTON.

The cutting length is adjustable in between 5 mm to 999 mm.

Can set six different length by using SELECT BUTTON.

If you press +/- BUTTON in a short while, the length in changed to 1 mm.

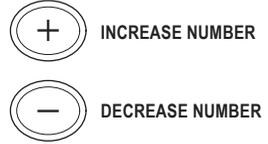And if you press +/- BUTTON longer, if shows fast foraward.

Caution

The actual length is differ from the displayed length depends on the type of the tape and its condition.

When cutting short length of tape, the length may not cut consistently or tape is jammed.

Try several test cuts to insure proper operation.

If pressing －BUTTON for setting from b to F, you will be able to set ZERO.

However, machine will not start while alarming even though pressing START BUTTON.

**INDICATE CUTTING LENGTH**

SELECT

A~F

A⇨b⇨C⇨d⇨E⇨F

**SET THE CUTTING LENGTH**
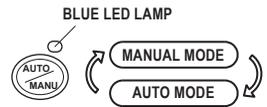
+ INCREASE NUMBER

− DECREASE NUMBER

# Mode Setting

## MANUAL MODE

◆Make sure that Blue LED is off.

When the LED LAMP is flashing or turned on, press AUTO/MANUAL MODE and turn off the LED LAMP.

◆Press the START BUTTON once, the machine will feed-in a piece of tape then cut it out based on your set length.
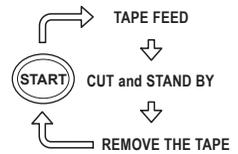
◆To cut another piece, press START BUTTON again.

## AUTO MODE

◆Make sure that the Blue LED is flashing.

When the LED LAMP's lights are off, press AUTO/MANUAL BUTTON and let the LED LAMP to flash.

◆Press the START BUTTON once, the machine will feed-in a piece of tape then cut it out based on your set length.

When that piece of tape is removed, the machine will feed-in another piece then cut it out.

The machine will feed-in and cut a new piece of tape once the piece of tape is removved.

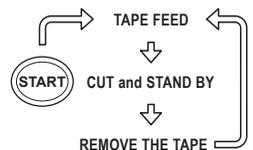**SET AUTO / MANUAL**

BLUE LED LAMP

AUTO
MANU

MANUAL MODE
AUTO MODE

**MANUAL MODE**  ● LIGHT OFF

TAPE FEED
⇩
START  CUT and STAND BY
⇩
REMOVE THE TAPE

**AUTO MODE**  ◗ FLASHING

☀ LIGHT ON

TAPE FEED
⇩
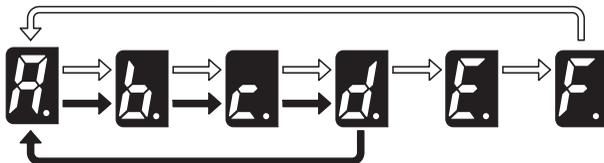START  CUT and STAND BY
⇩
REMOVE THE TAPE

# Programing Function

Function that cuts the material registered from A to F accordingly.
As refer to the following figure, operation will keep working.
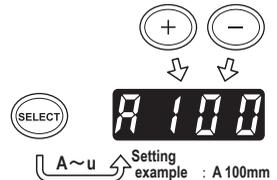This function may apply every mode.

◆Please follow the instruction on page 7.

◆Set the cutting length from A to F as you prefer.

◆Please set the cutting length in ZERO for between B to F if not necessary.
 Then skip the position registered with ZERO accordingly and operate
 repeatedly.

◆Apply the cutting length to your first cutting.

◆Press AUTO/MANUAL BUTTON more than 1 second.
 Then [ . ] will appear on the lower right of Alphabet.

◆Press AUTO/MANUAL button and select AUTO MODE or MANUAL MODE.

◆Press START BUTTON and tape is ready to take.
 When setting MANUAL MODE, the next cutting length will be desplayed.
 When setting AUTO MODE, the next cutting tape is ready to take with
 displaying the cutting length.

◆When discontinuing Program Function, please press AUTO/MANUAL
 BUTTON longer and make sure that [ . ] is eliminated.
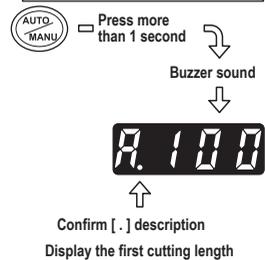
### Operating Example

⟹ in the case of 6 different cut length setting
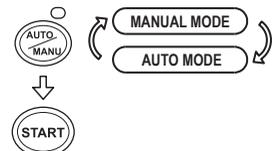
⟶ in the case of zero setting for E. F.

**Set a cutting length**

A～u Setting example : A 100mm

**Programing Function setting**

Press more than 1 second
Buzzer sound

Confirm [ . ] description
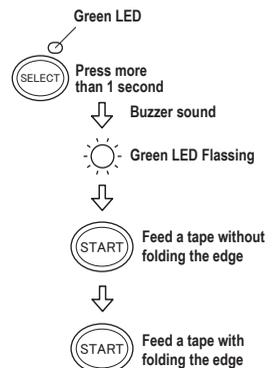Display the first cutting length

**AUTO/MANUAL setting**

MANUAL MODE
AUTO MODE

START

# Folding Mode

This mode is to fold the tape edge.
This mode can be used with other function.

◆ Press SELECT BUTTON more than 1 second.
 Green LED will be flashing if pressing SELECT BUTTON more than 1
 second.  If setting is completed and press START BUTTON, a piece of
 tape with folding the edge as set the cutting length will be ready to take
 after pressing START BUTTON again.

◆ Set other mode as depends on your requirement.

◆ In the case of folding mode, minimum cutting length is 15mm.
 The folding length is fixed by 7mm.

◆ When cancelling folding mode,  please press SELECT BUTTON more
 than 1 second. Please make sure that green LED is off.

Green LED

Press more than 1 second
Buzzer sound

Green LED Flassing

START Feed a tape without folding the edge

START Feed a tape with folding the edge

# How to Manage a Curling Tape

◆Press the HOLD DOWN ROLLER RELEASE BUTTON in order to open the HOLD DOWN ROLLER UNIT.

◆Extend the ROLLER LOCK LEVER so that the roller will not turn.

◆Close the HOLD DOWN ROLLER UNIT.

　With the rollers locked, the tension may cause the length to vary.

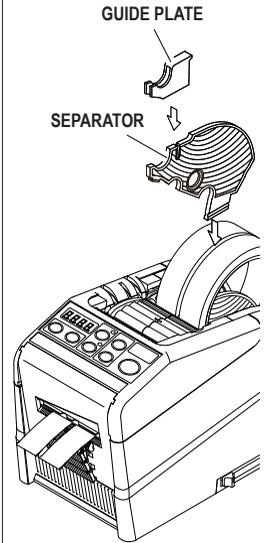　Cut several test pieces in order to adjust the length if needed..

# Use Narrow Tape / Use Two Rolls in a Same Time

If the tape is lesser than 25 mm width or you want to dispense two rolls in a same time, use the SEPARATOR.

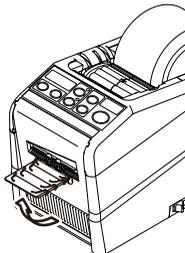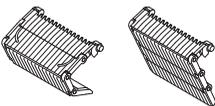Cut lesser than 10 mm width of tape, put the GUIDE PLATE on the SEPARATOR.

◆Remove the SEPARATOR from the bottom of body.

◆Open the HOLD DOWN ROLLER UNIT.

◆Insert the SEPARATOR into the body by slotting in to the bottom of the cavity.

◆When you cut the tape lesser than 10 mm, put the GUIDE PLATE onto the Separator.

◆Place one roll of the tape or either side by inserting a SEPARATOR for loading tape.

◆To hold the tape by adjusting TAPE HOLDERS, it is unnecessary to push the SEPARATOR out of position.

　When dispensing two roll of tapes in a same time, it is a must to feed-in both of its' length in a same time.

◆Remove the first piece of tape.

◆When the second piece of the tape is removed, both side of tapes are also dispensed.
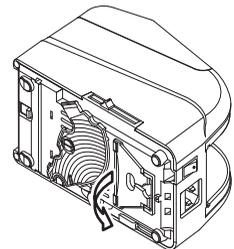
**GUIDE PLATE**

**SEPARATOR**

# Other Functions

## FLEXIBLE TAPE SUPPORT

When you cut the tape longer or cut non-adhesive tape / film, use FLEXIBLE TAPE SUPPORT in order to avoid the tape fall down.

## ASSIST STAND

Based on the tape material or workpiece purpose, use the ASSIST STAND in order to let the body of machine towards a lower level.

# Replace the Blade Unit

Only Blade is not accepted to be replaced.
It needs to change with the whole Blade Unit.

◆Turn the POWER SWITCH off.
◆Remove the BLADE UNIT by releasing the BLADE UNIT RELEASE LEVER.
◆Install the new BLADE UNIT into the body.
◆Push down on the housing firmly until it is locked.
    Make sure that the lower blade is positioned properly, turn the BLADE
    UNIT over and take a look the bottom edge of the lower blade.

# Maintenance

> ⚠ Whenever you clean or replace the BLADE UNIT,
>    do not touch the sharp edge of the blade.

### Clean the Blade Unit

When cutting tapes with heavy adhesive, the residue will remain on the
blade gradually.
It is necessary to remove the BLADE UNIT for cleaning.

◆Turn the POWER SWITCH off.
◆Remove the BLADE UNIT by releasing BLADE UNIT RELEASE LEVER.
◆Put some alcohol on a clean dry cloth, or use a swab to remove the residue.
◆Replace the BLADE UNIT.

### Lubricate the Blade

Lubricate the blade in order to prevent residue stick on the blade.

◆Turn the POWER SWITCH off.
◆Remove the BLADE UNIT from the body.
◆Locate three oil holes on the back side of the top blade.
◆Drip one drop of BLADE OIL into each hole.
◆Also lubricate LOWER BLADE GUIDE.
◆Do not lubricate over and over again.
    Wipe the spare oil away by using cotton cloth.
◆Replace the BLADE UNIT into the body.
◆Turn the POWER SWITCH on.
    Make several test cuts in order to make sure the tape will not fall down
    from the TAPE OUTLET.

### Clean the Sensors

There are two pairs of SENSORS below the TAPE OUTLET.
If the opening is covered by tape residue or debris, the SENSORS will
not detect the presence tape.
Always keep clean around the SENSORS.
To protect the SENSOR, clean the openings after removed the BLADE
UNIT carefully.

### Clean the Rollers

When waste of tape glue is found, please refer to page 12 and follow
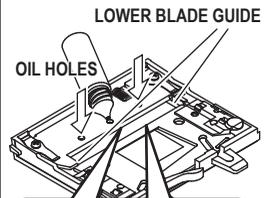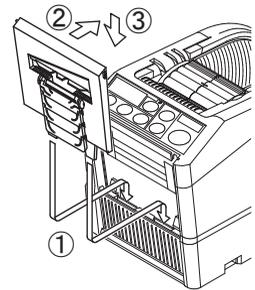the procedure for cleaning the inside of the machine.

### Clean the Body

Put neutral detergent on a damp cloth to clean the body.
Do not use alcohol or solvent to clean the plastic parts.
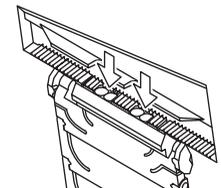
**REMOVE BLADE UNIT**



**INSTALL BLADE UNIT**



**LOWER BLADE GUIDE**

**OIL HOLES**



> ⚠ EXTREME CARE
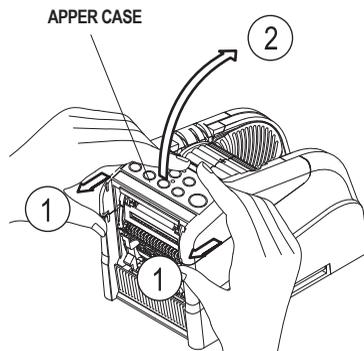>    OF BLADE

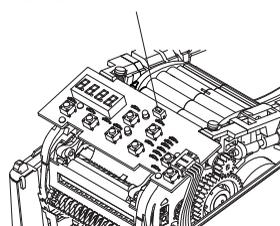**BE CAREFUL TO HANDLE THE SENSORS**



11

# When tape jammed is happened

1) When operating by manual mode, tape doesn't come properly even if pressing START BUTTON.
2) When operating by auto mode, the next tape doesn't come even if taking the tape ready.
3) Tape doesn't come even if you hear the sound of motor working.
Please take the following procedure when you find the problems as mentioned above.

◆Open HOLD DOWN ROLLER UNIT.

◆While pressing REV BUTTON, please pull the tape out backward.

◆Remove BLADE UNIT after switching off and removing power cord from the machine.
   Then check the inside of the machine and remove something if you find some waste of tapes on the ROLLERS or BLADE UNIT.

◆Install BLADE UNIT into the body.

◆Connect POWER CORD to machine and switch on.

◆Take a proper procedure and set your tape accordingly.
   In the operation procedure as mentioned above, please take the following steps if you can't pull a tape from machine.

◆Open UPPER CASE.
   1) Pull Upper Case backward (2mm).
   2) Lift UPPER CASE up while pulling it.

◆Connect POWER CORD to machine and switch on.
   (When opening UPPER CASE, operating board for folding function can move only for operation check.)

◆Press FOLDING OPERATION CHECK SWITCH more than 1 sec.
   (Stop automatically to the maximum tape outlet position.)

◆Remove the waste of tape jammed by using tweezers.

◆Press FOLDING OPERATION CHECK SWITCH once again more than 1 sec.
   (Stop automatically to the original position.)

◆Close UPPER CASE and install BLADE UNIT into the body.

◆Take a proper procedure and set your tape accordingly.

**APPER CASE**



**FOLDING OPERATION CHECK SWITCH**



# Error Messages

The buzzer will has a sound then a message will flash and show on the DISPLAY.

### E-02 Blade is Out of Position

A signal shows that the blade is not installed well or machine stops because of the thickness or hardness of the tape.

◆Turn the POWER SWITCH off.

◆Remove the BLADE UNIT by releasing the BLADE UNIT RELEASING LEVER then lift the assembly out of the body.

◆Turn the POWER SWITCH on.

◆Press the FWD BUTTON and feed -in the tape once, cut the tape in between the TAPE OUTLET and the BLADE UNIT by scissor.

◆Press the REV BUTTON to remove the tape.

◆Clean the BLADE UNIT and lubricate the LOWER BLADE GUIDE.

◆Check the lower blade position and replace the BLADE UNIT.

E - 02

POWER SWITCH IS OFF
⇩
REMOVE BLADE UNIT
⇩
POWER SWITCH IS ON
⇩
(START)  CLEAR THE ERROR
⇩
(FWD)  FEED THE TAPE
⇩
(REV)  REMOVE THE TAPE
⇩
CLEAR THE BLADE
⇩
SET THE TAPE

12

## E-03 Motor is Stopped

Indicates that the motor is stopped because of overload.

◆Press the START BUTTON to clear the error message.

◆Press the REV BUTTON to remove the tape.

◆Turn the POWER SWITCH off.

◆Check the BLADE UNIT and TAPE OUTLET carefully.

◆Clear and take away the spare tape waste or sticky residue by using tweezers.(Clean ROLLER UNIT as depens on the condition.)

**E - 03**

(START) **CLEAR THE ERROR**
⇩
(REV) **REMOVE THE TAPE**
⇩
**SET THE TAPE**

## E-04 Motor Position Error for Folding Function

This is likely to happen when motor is overloaded and stopped.

◆Remove BLADE UNIT.

◆Switch off and remove POWER CORD from the machine.
(When tape is jammed, please refer to "When tape jammed is happened" and open UPPER CASE.)

◆Push POWER CORD into machine and switch on.
(In the case of opening UPPER CASE, FOLDING OPERATION CHECK SWITCH is only moved.)

◆Press FOLDING OPERATION CHECK SWITCH more than 1 sec.
(Stop automatically to the maximum tape outlet position.)

◆Remove the waste of tape jammed by using tweezers.

◆Press FOLDING OPERATION CHECK SWITCH once again more than 1 sec.
(Stop automatically to the original position.)

◆Close UPPER CASE.
(Operating board turns on electricity and resumes operating.)

◆Pull your tape backward while pressing REV BUTTON.

◆Install BLADE UNIT into the body.

◆Take a proper procedure and set your tape accordingly.

**E - 04**

**REMOVING BLADE UNIT**
⇩
**OPEN UPPER CASE**
⇩
**FOLDING OPERATION CHECK SWITCH**
Pressing more than 1 second ⇩
**REMOVE THE WASTE OF TAPE JAMMED**
⇩
**FOLDING OPERATION CHECK SWITCH**
Pressing more than 1 second ⇩
**CLOSE UPPER CASE**
⇩
**INSTALL BLADE UNIT**
⇩
**SET A TAPE**

---

❗ Do not touch the Blade when you are correcting an error under POWER SWITCH is on.

---

❗ Turn off the POWER SWITCH and stop using the machine.
If the machine cannot work normally after correcting the error.
It seems that nothing wrong without any error messages.

---

❗ Do not use the tape if static electricity generates over 1000V.
It may cause failure to the machine.

# Trouble Shooting

Before returning the machine for repair, please check the followings.

| | | |
|---|---|---|
| The POWER SWITCH is on, but the machine can not run. | The AC CORD is loosen. | Check whether the AC CORD plug in the outlet firmly. |
| | The FUSE has been blown. | Replace new FUSE.<br>Stop using the machine immediately even though the FUSE is blown again after replacing. |
| In the case of auto mode, the next tape doesn't dispense properly. | Some objects may be found on the sensor. | Remove the objects. |
| | Not go through the sensor. | Use SEPARATOR when using the tape width less than 25mm. |
| | Sensor is exposed to an intense light and error is happened. | The machine should be placed to another position. |
| | The tape has extremely low reflectance. | Some types of tape may not be used under AUTO mode. |
| The tape length is different from the setting length. | The adhesive is too strong.<br>The tape is slipping.<br>The tape is elastic. | Correct the setting after cutting several test pieces. |
| Display E-02 after installing BLADE UNIT. | BLADE UNIT may not be installed correctly. | Refer to E-02 Error Message on P12 and install BLADE UNIT once again. |
| Digital is not displayed even though switching on. | UPPER CASE may not be closed properly. | Close UPPER CASE properly. |

> **!** If the machine still can not operate properly, stop using the machine immediately and contact vendor for repair authorization.

# Specifications

| | |
|---|---|
| Power Requirement | 100 - 240VAC  50/60Hz |
| Input Voltage Range | ±5% |
| Wattage | 25W |
| Dimensions | 116mm(W) x 148mm(H) x 222mm(D) |
| Weight | 1.83 KG. |
| Body Material | ABS |
| Tape Length | 5mm - 999mm (Folding Function-OFF)<br>15mm - 999mm (Folding Function-ON) |
| Tape Width | 6mm - 60mm |
| Feeding Speed | 200mm/sec. (craft tape)<br>53pcs/min. (in the case of cutting craft tape 100mm length)<br>43pcs/min. (in the case of cutting craft tape 100mm length with folding the edge) |
| Max. Outside Dia. of Roll | 300 mm |
| Accessories | Power Cord<br>2A Fuse [Built-In Inlet]<br>Separator / Guide Plate / Blade Oil |

Remarks ◆The specifications are subject to change without prior notice.
◆The length of the tape may differ from the set length depending upon the type of the tape or its condition.
◆Some types of tape available with the machine may not be cut depending upon conditions.

## Warranty

We warrant to the original purchaser of the product that will be free form defects in material or workmanship for as long as the original purchaser owns the product, when given normal wear and proper usage.

The limited warranty for the machine shall be for a period of 180 days form the date of purchase.

The spare parts such as Cutting Blades, Rollers, are not covered under the warranty period as they are considered as "wear parts".

This warranty is only valid if the product:

◆Was not damaged while being installed.

◆Was operated in accordance with products's specifications, instructions and any technical support directions.

◆Was not modified or damaged by tempering, user error, accident, disaster, abuse, misuse, power supply, power application, alternation, repair, modification, a fix or replacement by someone other than the original product.

**YAESU KEIKOGYO CO., LTD.**

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