
INSTALLERS, SERVICE & LINE MECHANICS: PLEASE READ THIS MANUAL AND FAMILIARIZE YOURSELF THOROUGHLY BEFORE ATTEMPTING TO INSTALL OR SERVICE THE DALEMARK EQUIPMENT DESCRIBED HEREIN. FOR FURTHER ASSISTANCE, CONSULT OUR FACTORY STAFF.

INSTRUCTION AND PARTS MANUAL

SERIES 8000 TABLETOP HOT STAMP CODER MODEL 8000-TT

SERIAL NO. _____



When ordering, always provide the following information:

- MODEL NUMBER
- SERIAL NUMBER
- PART DESCRIPTION & PART NUMBER
AS SHOWN IN PARTS LIST

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Contents

Before You Begin	3
Who Should Read this Manual	3
How this Manual is Organized	3
Important information.....	3
Safety.....	4
Danger	4
Warnings	4
Cautions	4
Section 1: INTRODUCTION.....	5
Features.....	5
FEATURES	5
SPECIFICATIONS	5
Section 2: How to Operate.....	6
GETTING START.....	6
CHANGE RIBBON	6
CHANGE TYPES.....	9
CHANGE HEATER AND THERMAL COUPLE.....	10
ADJUST RIBBON PITCH	10
ADJUST STROKE.....	11
ADJUST PRINTING POSITION.....	11
ADJUST DIRECTION OF TYPING.....	12
TESTING SWITCH.....	12
Section 3: Troubleshooting.....	13
Section 4: Inspection and Care.....	14
Section 5: Mechanical Components.....	15

Before You Begin

This manual contains all operation and maintenance of this machine.

Who Should Read This Manual

This manual is primarily intended for qualified technicians. Please read it thoroughly before you operate the machine. Qualified technicians should also be familiar with the information in this manual.

How This Manual Is Organized

This manual is divided into the following main areas:

- “Safety”: This section is at the front of this manual for good reason. It covers all safety issues that you should be familiar with before you go any further with adjustments, power-up, or operation.

Important information

Here are eight types of messages that appear in this manual which help emphasize information of particular interest:



DANGER signifies an operator action or specific equipment area that can result in serious injury or death if proper precautions are not taken.



WARNING signifies an operator action or specific equipment area that can result in personal injury if proper precautions are not taken.



CAUTION signifies The operator takes action in or concrete equipment field, proper prevention has not been finished and will cause the equipment to be damaged .



ELECTRICAL DANGER signifies If proper prevention has not been adopted, will have danger of getting an electric shock.



TIP signifies Offered to operators it in the course of operation of the machine, make the question reduce to minimum information.



NOTE signifies The operator should know useful additional information while carrying out a certain task



CHECK signifies The operator must be inspected before operating



IMPORTANT signifies Wish to call operator's attention, if point out that is not carried out correctly, the potential question or equipment that result in operating is damaged .

Safety

Dalemark Industries, Inc. hereby disclaims any liability for injuries or damage resulting from use or application of this product contrary to instructions and specifications contained herein. Dalemark's liability shall be limited to repair or replacement of product shown to be defective. Observe all safety rules given herein along with owner.

Make sure you thoroughly read this Section until you become familiar with all of the safety issues relating to the safe operation of this machine.

Please read all of the Warnings that follow to avoid possible injury. Although Dalemark has made every effort to incorporate safety features in the design of this machine, there are residual risks that do exist that an operator should be aware of to prevent personal injury.

Please read all of the Cautions that follow to prevent damage to the machine. However, damage can occur if the machine is not operated and cared for within design guidelines as recommended by Dalemark.

Danger



- **Equipment interior contains incoming 120 or 230-VAC electrical power. Bodily contact with these high voltages can cause electrocution, which can result in serious injury or death.**

Warnings



- **Do not attempt to make any adjustments while the machine is running.** Failure to follow this warning may expose you to moving parts which can cause serious injury.

Cautions



- **When replacing fuses, always use the exact type supplied with the machine as shipped from the factory. IMPORTANT: Always make sure power module is replaced exactly as removed.** Failure to follow this caution can result in damaged electrical parts.
- **Do not attempt to use the machine for any other purpose other than what was recommended by Dalemark.**

Failure to follow this caution may cause unpredictable performance, and/or can cause damage to machine parts.

- **Do not apply lubricants to any part of the machine.**
- **Do not attempt to remove and replace parts.**

Refer all questions or problems to a qualified technician.

1.INTRODUCTION

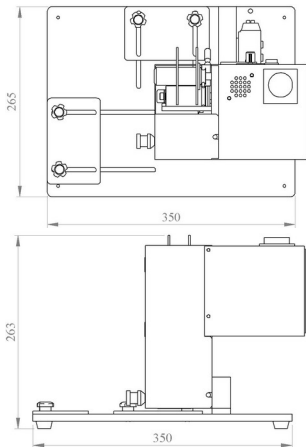
Features

Dalemark's 8000-TT Tabletop Hot Foil Date Coding Machine can be used for printing on soft material such as paper, plastic film, pharmaceutical paper carton, aluminum packaging film and sticker.

FEATURES

1. Print speed and print position adjustable.
2. Easy to adjust 1 to 3 lines print.
3. Print thickness from 0~2mm.
4. Compact size makes it easy to move.
5. Detect printing by optical fiber sensor.
6. Stable print temperature control system.
7. Easy to operate and maintain.
8. Low print cost.(**Lower than USD0.00016/per line per print**)
9. Suit for variable small and middle amount production.

SPECIFICATIONS



1. Power required:100/110V or 220/240V 50/60Hz, single phase
2. Power Consumption: 110W
3. Dispensable material: carbon ribbon
4. Ribbon width: 25mm~35mm
5. Ribbon length: 100M~153M
6. Print content: MFG, EXP, LOT etc.
7. Types material: copper
8. Types height: 3mm
9. Types width: 2mm
10. Maximum print line: 3 lines
11. Maximum digits per line: 16 digits.
12. Capacity: up to 60 prints/min maximum
13. Dimension: (L)350(W)265(H)263mm
14. Machine Weight: 10 kg

2.How to Operate

2-1

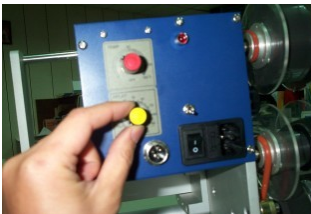
GETTING START



1. Turn on power switch and wait for about 4~6 minutes for heating.



2. Adjust appropriate temperature(100°C -120°C) for heating types holder.



3. Adjust delay time for printing after optical fiber sensor detected.



4. Turn on the printing switch.

IMPORTANT

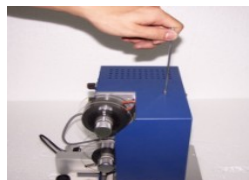
1. In order to get the best print performance, you should wait till temperature controller indicate heater already reach setting temperature.

NOTE

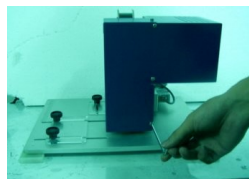
1. About 100°C for plastic bag, 120°C for paper or aluminum film.

2-2

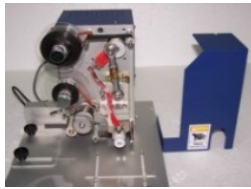
CHANGE RIBBON



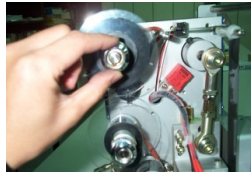
1. Loosen front-cover topside screw.



2. Loosen front-cover right side screw.



3. Take off the front-cover.



3. Loose new-ribbon disk end-stop screw.



4. Take off the new-ribbon disk.



3. Loose waste-ribbon disk end-stop screw.



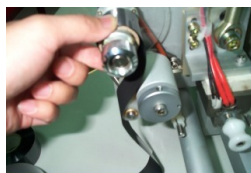
4. Take off waste-ribbon disk.



5. Take carbon ribbon out.



6. Release press-wheel.



7. Take carbon ribbon out.



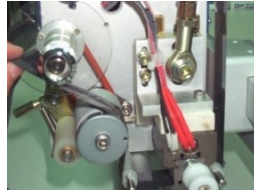
8. Put the empty cartridge back to waste-ribbon axle.



9. Put new carbon ribbon into the axle.



10. Pull ribbon into the sensor.



11. Put the ribbon as photo.



12. Then put ribbon through the press wheel.



13. Use finger to press carbon ribbon and turn one or two rounds.



14. Put new-ribbon and waste-ribbon disk back, fasten their end-stop screw.

IMPORTANT



Make sure you use the right ribbon side

Our flexible print-platform is designed to avoid jamming motor when user insert thick object. So do not adjust it too loosen or fasten because it will effect the print quality.

2-3 CHANGE TYPES



1. Turn off the "Printing switch" to stop coder.



2. Push the handle and turn right or left then pull the holder out.



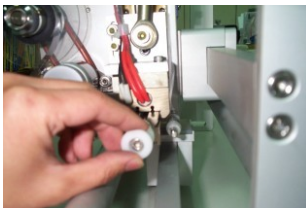
3. Then you can check the type.



4. Put it in this three lanes.



5. Change the types that you want, then put the type stopper.



6. Then put the holder back.

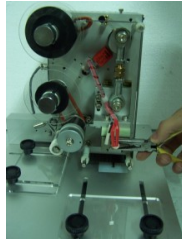


Be careful if you want to change types die during your working. Because types holder is still keeping very high temperature. You can use tweezers if it isn't cold Down.

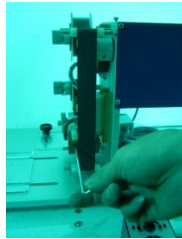
2-4 CHANGE HEATER AND THERMAL COUPLE



1. Switch off the power and take off the front-cover. Then disconnect the wiring of heater and thermal couple.



2. Loosen thermal couple screw and replace a new one.



3. Loosen heater screw.



4. Pull heater out and put a new one back. Then put front-cover back.



Don't try to change heater or thermal couple during your working. Because this area is still keeping very high temperature.

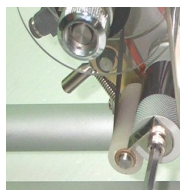


Be careful when disconnecting the wiring of heater and thermal couple.

2-5 ADJUST RIBBON PITCH

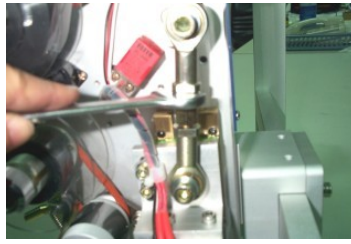


1. Here you can find one hole for adjusting to 1-line print.



2. All you had to do is fasten one screw for changing 2-lines into 1-line print.

2-6 ADJUST STROKE (Printing pressure)

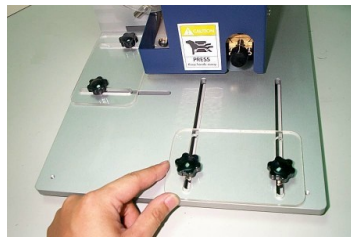


1. Take off front-cover and loose fixed screw.

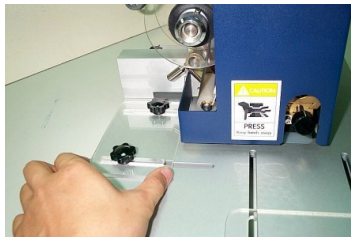


2. Adjust joint linkage for changing stroke.
Remember to turn fixed screw back after adjust to the appropriate length.

2-7 ADJUST PRINTING POSITION



1. Loosen knob screw and adjust print guide.



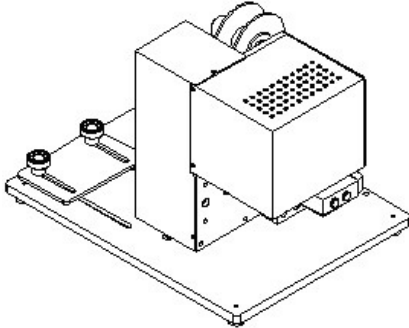
2. Loosen another knob screw and adjust print guide then fix it again.



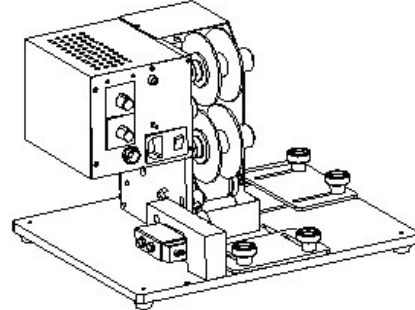
Our flexible print-platform is designed to avoid jamming motor when user insert thick object. So do not adjust it too loosen or fasten because it will effect the print quality.

ADJUST DIRECTION OF TYPING

1. Turn towards and type directly



2. It types the direction convertibly to pull down this board



2.9 Testing switch (Simple detection)

Objection: To check the printing problem is from outside signal interference or machine itself simply.

Steps:

1. Take off the signal cable(foot pedal), and maintain signal switch "ON".
2. Press Testing switch. If machine works well, it means the problem from itself. Please solve outside signal interference(eg. Sensor or pedal is broken). If machine doesn't work well, please check "troubleshooting" instruction to solve problem.



3. Troubleshooting

Is intended to provide you with quick solutions to the more common day-to-day problems you may encounter.

Problem	Cause	Solution
No power	<ol style="list-style-type: none"> 1. Have not started the machine. 2. The cable is taken off loose. 3. The bad outside power is joined. 	<ol style="list-style-type: none"> 1. Change direction "turn on "(or "- "position). 2. The outlet is checked. 3. Check if the necessary cable connection which replaces the security.
carbon not really accept one	<ol style="list-style-type: none"> 1. The belt skids or ruptures. 	<ol style="list-style-type: none"> 1. Check and change belts.
fuse burning	<ol style="list-style-type: none"> 1. The electric current is too big in the twinkling of an eye. 	<ol style="list-style-type: none"> 1. Change the fuse .
Not movements	<ol style="list-style-type: none"> 1. The signal has not been received circuit board trouble. 	<ol style="list-style-type: none"> 1. The signal or signal switch.
carbon not driven	<ol style="list-style-type: none"> 1. Carbon area drive wheel trouble. 2. Carbon lead drive wheel accumulate too much carbon powder. 	<ol style="list-style-type: none"> 1. Change the package of the drive wheel. 2. Accumulate carbons clearly.
unclear to print words	<ol style="list-style-type: none"> 1. Temperature is not enough. 2. The pressure is insufficient. 	<ol style="list-style-type: none"> 1. Adjust and type the pressure or temperature.
unable to start	Many kinds of reasons	<ol style="list-style-type: none"> 1. Check whether the main switch has already been opened. 2. Check whether the electromagnetic valve is normal. 3. Whether it is normal to check the atmospheric pressure and offer. 4. Check the trinity switch fuse.
unable to heat	Many kinds of reasons	<ol style="list-style-type: none"> 1. Check whether the main switch has already been opened. 2. Check the thermocouple. 3. Change the new heater. 4. Check whether M6 temperature-controlled board is set up an electric circuit normally (have a bright green light while setting up an electric circuit).
Motor lock down		<ol style="list-style-type: none"> 1. Don't insert object which is thick than 7mm.

4. Inspection and Care



When performing initial operator adjustments prior to operation, always make sure you turn Off the main power switch and disconnect all equipment from the electrical power source. Failure to do so can expose you to a potential startup, and therefore moving parts which can cause serious injury.

Do not attempt to make any adjustments while the operator and machine of application are running.

Please read this Section to learn how to:

- Visually inspect your machine to detect part problems which may require adjustment or replacement.
- Periodically care for your machine to prevent any operational problems.

Visual Inspection

Check for visual signs of:

- Walking. Replace as required.
- Cracking. Replace as required.
- Thinning. Replace as required.
- Paper residue buildup. Clean belts, especially in grooves.

Preventive Care

To clean:

1. remove power cord from outlet.
2. Taking a dry portion of the cloth, go back and wipe all surfaces to ensure they are dried.
3. Apply a small amount of isopropyl alcohol to a soft cloth.

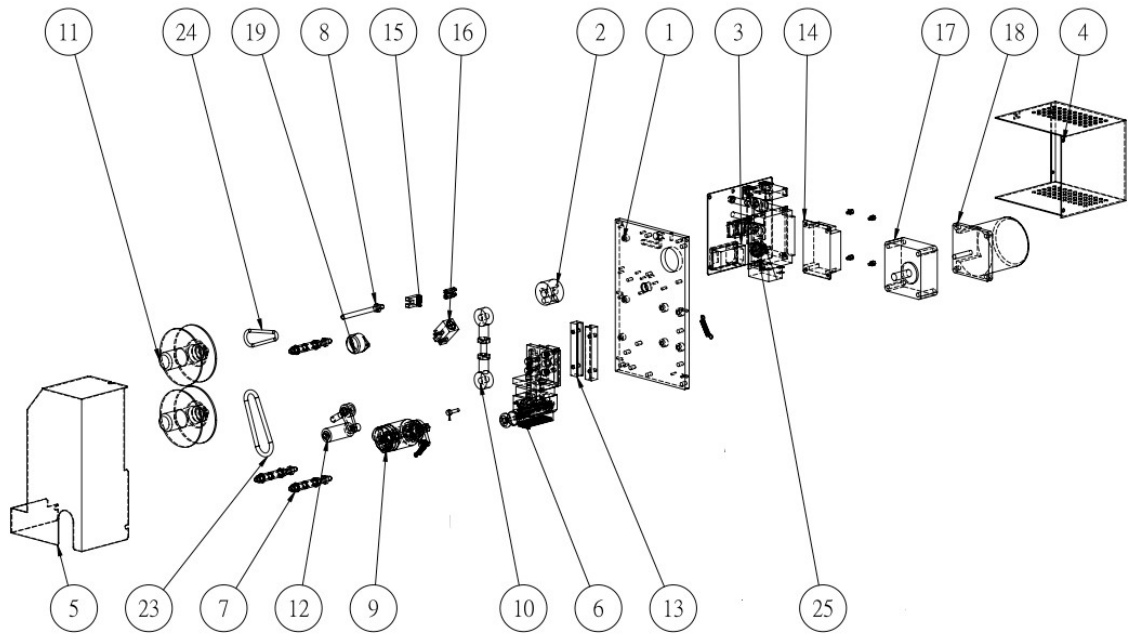
Cleaning schedule for various materials:

- Typical: every month
- Dusty: after every shift

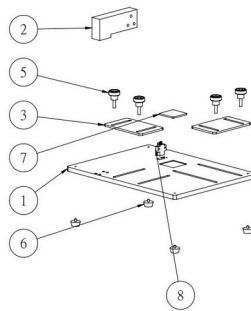
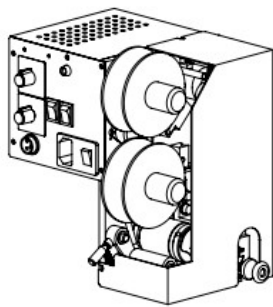
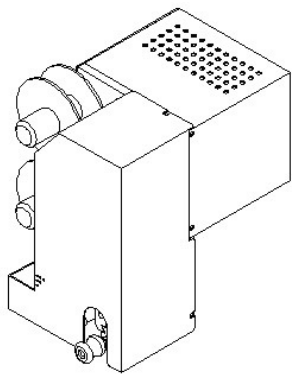
WIRING LABEL



5. Mechanical Components



ITEM	DESCRIPTION	QTY
1	Machine base plate	1
2	Driven wheel	1
3	Electricity control box	1
4	Right cover	1
5	Front cover	1
6	Heating base assembly	1
7	Guide Bar	3
8	Idler Bar	1
9	Ribbon driven wheel	1
10	Connecting Rod	1
11	Ribbon wheel assembly	2
12	Press wheel assembly	1
13	Slide	2
14	M6 PCB	1
15	Photoelectric Sensors (EE-SX673)	1
16	Proximity switch	1
17	Gear box (3GN18K)	1
18	buzzer	1
19	Reversible motor (3RK15GK)	1
20	Buzzer	1
23	O ring thickness 5.3mm	1
24	O ring thickness 4mm	1
25	Start capacitor (small)	1



ITEM	DESCRIPTION	QTY
1	Base plate	1
2	bracket	1
3	Plastic plate	2
5	Knob	4
6	Rubber leg #12	4
7	Rubber printing pad	1
8	controller EE-SY672	1