

ES3000

USER MANUAL



Pressure sealer

This manual provides detailed information on how to operate and maintain your ES3000.

Please read this manual before operating the machine in order to prevent any damage caused by improper handling.

Rev. 11-06-17

Introduction

Thank you for purchasing P a i t e c USA products

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ES3000 Features (Pressure Sealer)

- **Perfect Sealing Quality & Low Noise Level**

The most advanced pressure sealing technology with lightweight, excellent sealing quality and extremely low noise levels.

- **Excellent Folding Quality**

Excellent folding quality, even with plain paper based on our advanced technology.

- **Compact & Dynamic Design**

Advanced technology sealing system allows for compact design which saves valuable workspace.

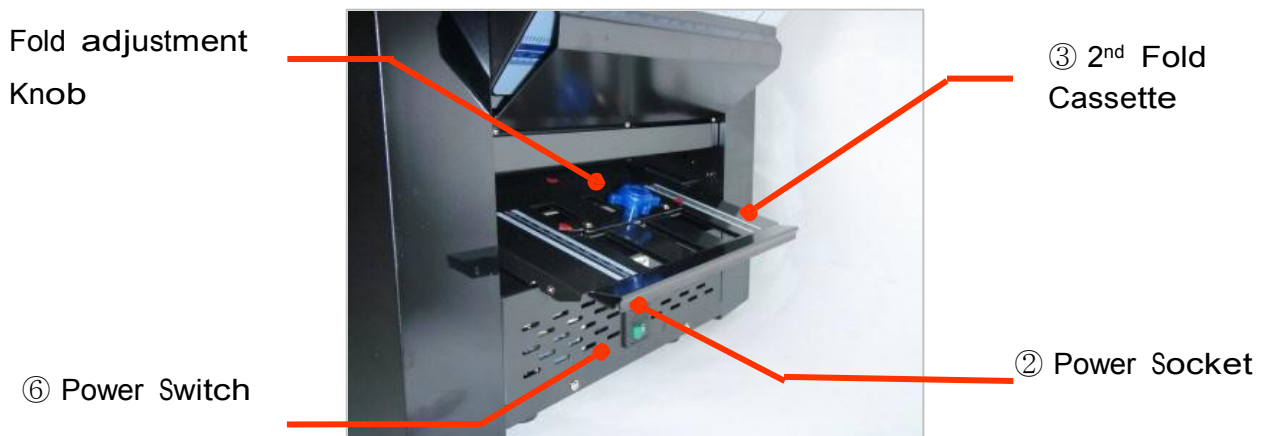
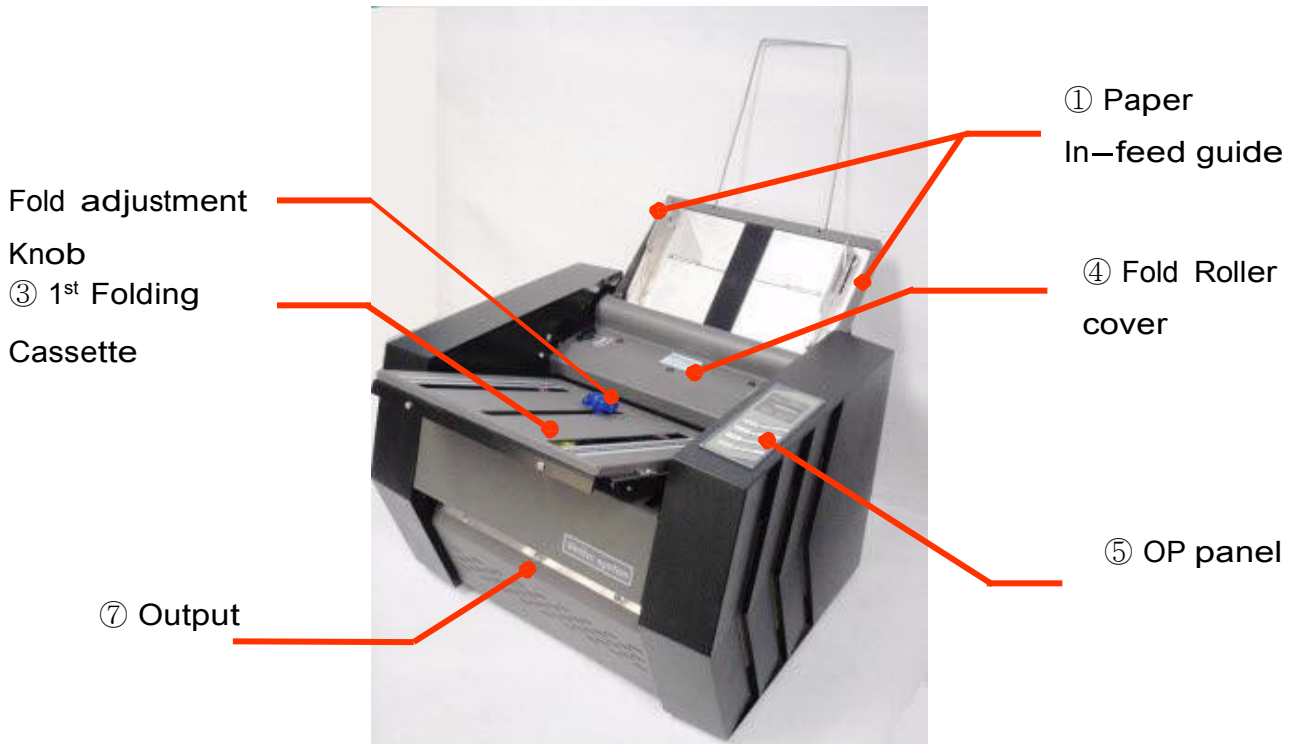
- **Angle Seal Technology**

Innovative and exclusive angled seal technology provides superior sealing capabilities.

ES3000 Specification

- Form Size: A4 / Letter / Legal size
- Speed: 3,000 forms / hour
- Input Tray: up to 150 forms
- Form weight: 60-120gsm
- Folding Setting: Z, C, V & Double, 14" uneven Z
- Manual Feed
- Batch Counter
- Noise Level: less than 45db
- Weight: 22kg
- Dimension: 320 X 390 X 280mm (W x L x H)

***Based on 80gsm paper weight.**



① Paper Guide

Load the paper into the paper hopper, making sure the paper in-feed guides are near touching each side of the paper to guide paper squarely.

(Prepare paper by making edges neat before loading)

② Power Socket

Main power socket located on the back of the machine

③ 1st & 2nd Folding Cassette

1st folding is Insert into the 1st folding cassette in front , 2nd folding is Insert into the 2nd folding cassette in rear.

④ Roller cover

Open roller cover when jam occurs.

(Please turn the Knob in clockwise rotation for unlock).

⑤ OP panel for Start/Stop & other function

⑥ Power switch

After check power socket, please turn on/off power switch

⑦ Output

Finished forms exit the front of the machine



[Side View]



[Rear View]

Contents

Please check the following parts are included in the box.

Power cable, 1ST Fold Cassette, 2nd Fold Cassette, Output stacker User manual



[Box open]



[1st, 2nd Cassette & Power cable]



[Remove Safety Tape]

*Caution

Power connection: Please refer to the label for electric information which is located at the back of the machine. If it is not working properly, please contact your local dealer for service.

Adjusting the Fold Cassette

Insert the 1st Cassette (Pic. 1) in the front and 2nd Cassette in the rear.

(Pic. 2) turn the Knob to adjust the fold cassette to the desired paper size (Refer to fold assist label on top of the in-feed tray.)



[Pic.1: 1st Fold Cassette Insert]



[Pic 2: 2nd Fold Cassette Insert]



[Pic 3: Adjust 1st Fold size]



[Pic 4: Adjust 2nd Fold size]

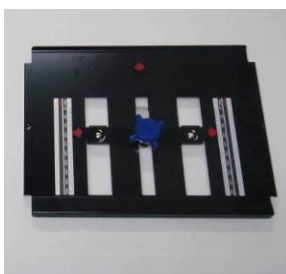
Folding Cassette Setting Guide

Fold cassette setting guide								
		A4		Letter		Legal		Custom
		mm	Inch	mm	Inch	mm	Inch	Paper length X
Z - Fold	1-st	99	3.89	93	3.66	118.6	4.67	33.3%
	2-nd	99	3.89	93	3.66	118.6	4.67	33.3%
Uneven Z Fold	1-st	99	3.89	—	—	137	5.39	33.3%
	2-nd	102	4.01	—	—	140	5.51	34.3%
Single Fold	1-st	148.5	5.85	139.5	5.49	178	7.0	50.0%
	2-nd	Insert the cassette in the opposite direction						
C - Fold	1-st	198	7.8	186	7.32	237.2	9.34	66.6%
	2-nd	99	3.89	93	3.66	118.6	4.67	33.3%

How to set “Z-Fold”

- Swivel the Knob to counter clockwise and move on 99mm.
- Swivel the Knob to clockwise to tighten and hold the position.
- 2nd Cassette is same as 1st Cassette.

! Attention: “C-Fold” is required to use 270mm Cassette (Pic. 3)



[Pic.1 : Standard 1st Cassette] [Pic. 2 : Standard 2nd Cassette]

[Pic. 3 : Option – 270mm Cassette]

Operation Panel



Start/Stop

Please push a **[Start/Stop]** button for operating the machine on the general operation.

If the **[Start/Stop]** button is clicked one time the machine will be operated. And **[Start/Stop]** is clicked once more, the machine is stopped.

Reset

[Reset]: Initialize the working counter & paper thickness .

- General Mode

[Reset]: working count is 0 and paper thickness is initialized with 1 digit based on DF/PT level.

- Batch mode

[Reset]: batch counter 0 and paper thickness is initialized, but working count is not initialized.

- C-fold mode **(270mm Cassette required for C-fold: Option)**

[Reset]: working count 0 and paper thickness is initialized with 1 digit based on DF/PF level. (working count light off)

C Fold - ON/OFF

This button is for C fold mode.

Beeper sound when it is settled C-fold mode and working count light is off.

If you want to cancel for C Fold, please push **[C fold]** button again.

DFD (Double Feed Detection) on/off

If you do not want to use double detection function, you can make "DF mode" Off.

Press **[DFD]** and see disappearing "paper thick" on LCD.

Note: this function will not work well if your form are too dark or too many black ink on the forms.

DFD Sensibility

DFD sensibility sometimes has to be changed for better detection. y

Note: Press and hold down **[DFD]** button, change the "paper thick" value by using the **[Direction]** button then save it by hold down the **[DFD]** button again.

Batch Mode ON/OFF

Press **[Count]** button for activating the batch count function. Press **[Count]** button once again for deactivating the function.

Adjust Batch Count

The batch count adjusting menu is appeared through holding the **[count]** button.

You can change the value by using the **[Direction]** buttons and confirm the count by holding the **[Count]** button again.

Auto Start Mode (ASM) ON/OFF

Press **[ASM]** button activate the auto start mode (ASM). Press **[ASM]** button once again the ASM is turned off.

The batch mode is operated continuously if the ASM is activated and the interval of each batch work is 3 seconds.

INFORMATION Menu

The information menu is appeared when the **[INFO]** button is pressed on the ready state.

1) What is the “Information” menu?

In this menu, a couple of information about the machine is showed.

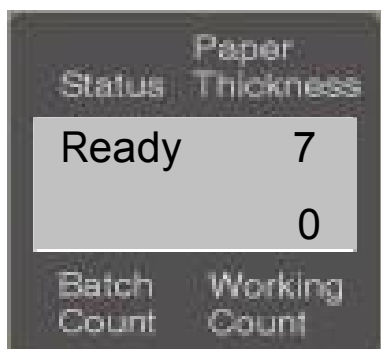
And user can check for several settings and information about the setup.

2) Menu

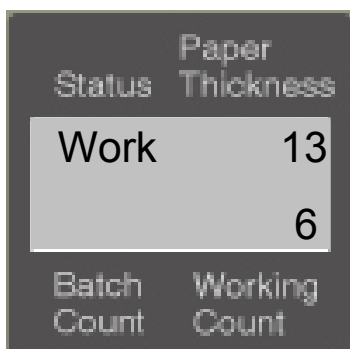
- a) Total Count : The total count of the machine
- b) Paper Thickness: The sensitivity of the DFD
- c) Firmware Version
- d) Installation Date: The date when the machine was installed.
- e) Total Usage Time: Measure the using time.
- f) Batch Count: The number of the batch mode.

For moving back to the ready state, press the **[INFO]** button again.

1. **[Start/Stop]** is clicked one time the machine starts to work and clicked once more the machine is stopped.
2. If the **[Reset]** is clicked a Working Count becomes „0“ and Paper Thickness is initialized.



[Ready state]



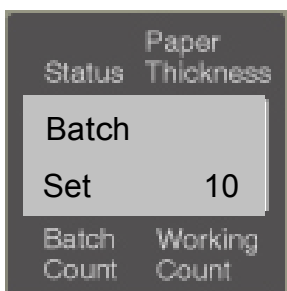
[Work state]

← [Paper thickness]

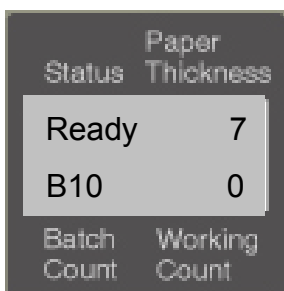
← [Working count]

Batch Count Mode

1. Check the „Ready State“ of the OP Panel.
2. Adjust the fold-position of the 1st and 2nd CST by using the setting guide of the fold-position[Page 11].
3. Press the **[Count]** button and check the LED is turned on.
3. To hold down the **[Count]** button shows „Batch count setting „ when the „Batch mode“ is activated. The number of batch count can be changed [from 1 to 200] every time the **[Direction]** buttons are pressed. The count will moving faster if hold down **[Direction]**
4. Hold down the **[Count]** button for saving the count.



[Count setting]



[Batch set]

Job Sep(Auto Start) Mode

1. Check the „Ready State“ of the OP Panel.
2. Adjust the fold-position of the 1st and 2nd CST by using the setting guide of the fold-position[Page 11].
3. Press the **[ASM]** button after activating the „batch mode“ at the first.
3. Check the LED lamp of ASM on the panel is turned on.
4. To press the **[ASM]** button once again for deactivating the ASM option..

Status	Paper Thickness
Ready	7
A10	0
Batch Count	Working Count

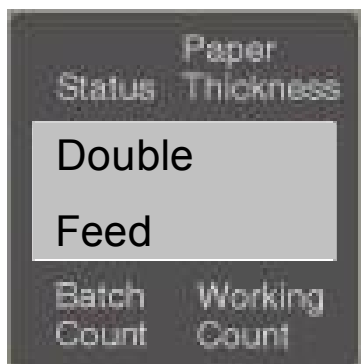
[Batch mode + Job Sep]

TIP. Batch + Job Sep function

If the „Batch mode“ is using with „Job sep“, batched working is operating continuously with 3-seconds-interval.

TIP. Handling of the forms before using.

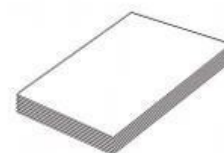
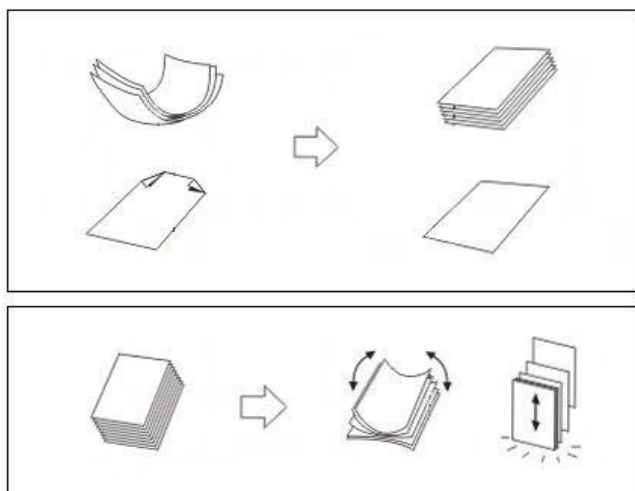
1. Please make the forms to well-arranged.
2. The form has to be set on the paper tray properly.
3. If too many sheets of form are set on the feed tray (over 150 sheets) it can create feeding problem.
4. Please check the fold-position by test-folding and adjust the fold-position properly.



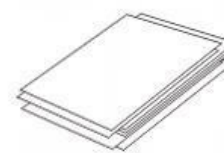
[Double feeding detected]



[Feed jam detected]



Good



Bad

[Pressure seal form handling before using]

Paper Jam Removal

The paper jam that is occurred in the Officemate 3D can be removed very easily.

The machine is stopped automatically when the paper jam is occurred. And the paper jam can be removed by using the jam removal tool.

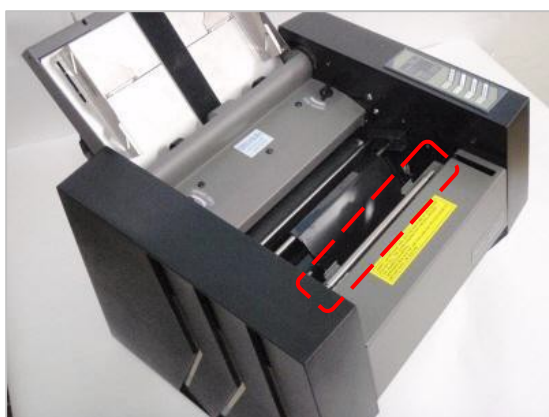
The machine starts to operating when the **[Start/Stop]** button is pressed after removing the jam.



[Remove the 1st CST]



[Open the top cover by un-locking the locking knob.]



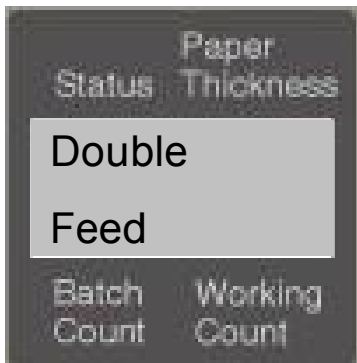
[Remove the jam by using the jam removal tool]



[Insert the tool into the hole on the press roller and rotate the press roller by hand]

! CAUTION: Please keep the jam removal tool to right position after removing the jam.

Handling the error messages.



[Detect double feed & feed jam]



[Open the cover and remove the jam]



[1st Cassette Error]



[Check 1st Cassette]



[2nd Cassette Error]



[Check 2nd Cassette]

Operator Maintenance

Due to the pressure seal forms leaving paper dust, ink and toner residues, it is very important to occasionally clean the surface of the each roller to ensure optimum performance.

In case of fold roller, remove 1st folding cassette and separate roller cover.
Clean ink and toner residues on the folding roller with this soft cloth wet through alcohol.

*Caution: Do not use oil as this will damage the surface of the folding roller.



[remove the forms]

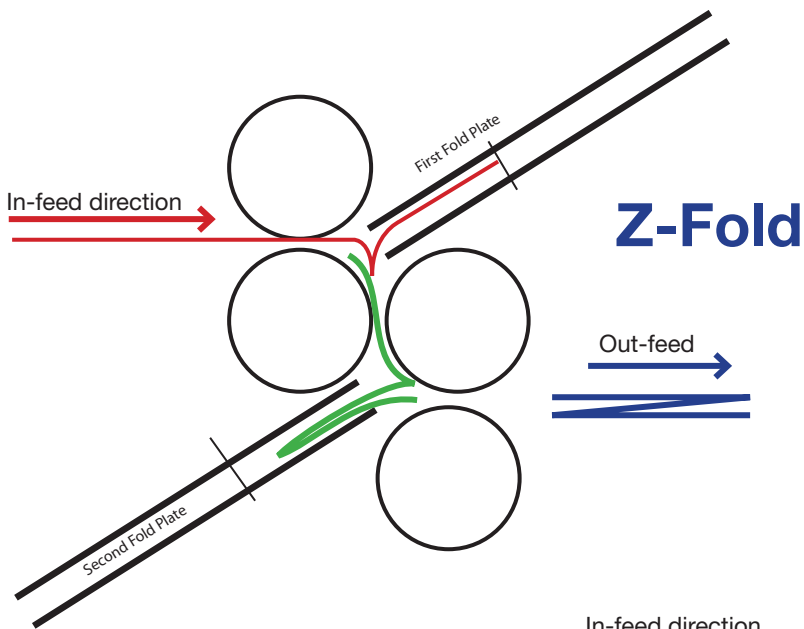


[clean the sensor]



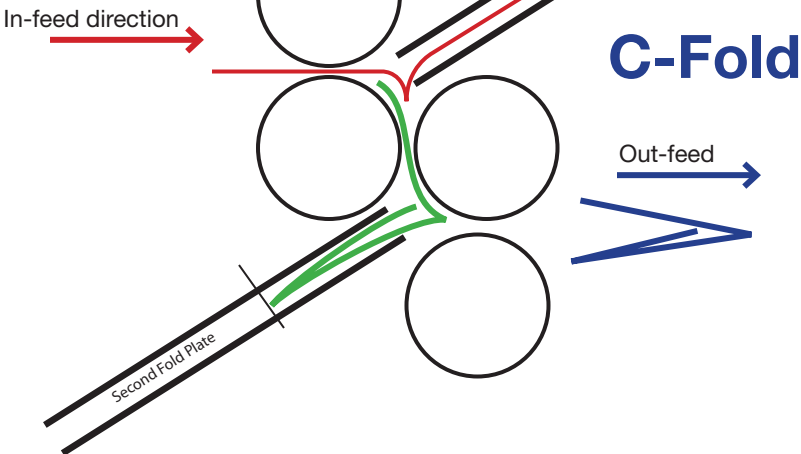
Folding Diagram

ES2000
ES3000
ES7000/IM7100
MX6000/IM9100
MX8000



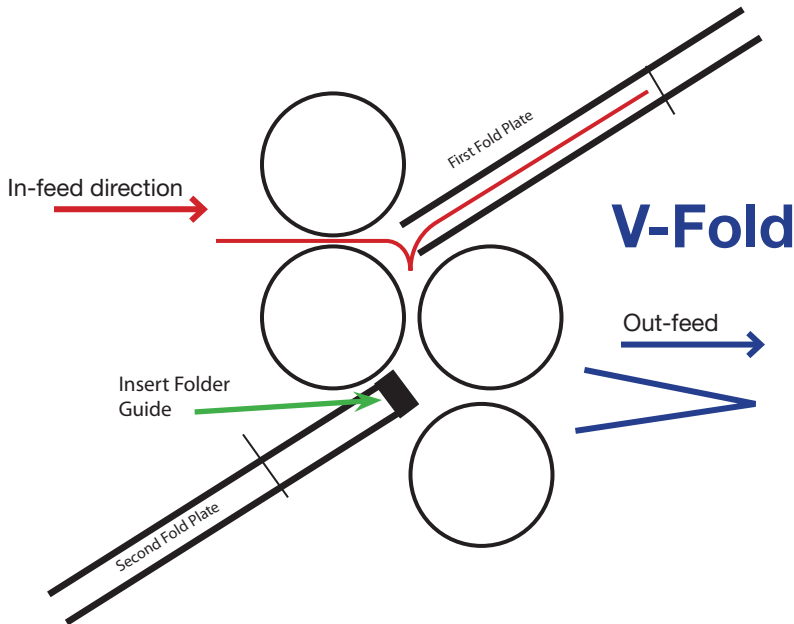
Z-Fold

Out-feed



C-Fold

Out-feed



V-Fold

Out-feed

Symmetrical Fold	1st Fold	2nd Fold
Z-Fold	1/3	1/3
V-Fold	1/2	None
C-Fold	2/3	1/3
Double Parallel	1/2	1/4