



User Manual

ES5600 Pressure Sealer



Contents

Introduction

<i>Introduction</i>	<i>2</i>
<i>Specifications</i>	<i>3</i>
<i>Name of Each Parts</i>	<i>4</i>

Operation

<i>Fold Cassette Guide</i>	<i>6</i>
<i>Paper Loading</i>	<i>10</i>
<i>Operation Panel</i>	<i>12</i>

Maintenance

<i>Error Message</i>	<i>27</i>
<i>Jam Removal</i>	<i>28</i>
<i>Cleaning</i>	<i>29</i>
<i>Electronic Parts</i>	<i>30</i>
<i>Recommended Replacement Parts</i>	<i>32</i>

Introduction

Welcome!

Thank you very much for selecting Paitec USA

This manual is prepared to provide you with guidelines on how to properly operate and maintain the ES5600. Please read this user manual before operating in order to prevent unexpected malfunction or damage. Please refer to the manual carefully and follow the instruction.

Copyright

Any of the contents should not be copied, re-printed or translated into other languages without Paitec approval.

Safety Precautions



Caution: Serious bodily injury or mechanical damage may result from insufficient attention to or incorrect compliance with warning messages with this symbol.

- Do not attempt to disassemble or reassemble the machine. It may cause an electric shock or mechanical problem.
- Disconnect the power immediately if liquid or a foreign object enter the inside of the machine.
- Do not input metal or inflammable material into the inlet.
- This manual is subject to be revised without notice.
- Do not install the machine on the place as below.
 - Near window or places exposed to direct sunlight.
 - Where vibration is detected.
 - Where temperature changes suddenly or poorly ventilated.
 - Places exposed to hot or cold air directly. (not office circumstance)
 - Not solid enough or weak floor.

Specification

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

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

- **Easy Maintenance**

Easy troubleshooting approach by user-friendly design. So that user can do basic maintenance without the help from engineers.

- **Excellent Folding Quality**

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

- **Compact & Dynamic Design**

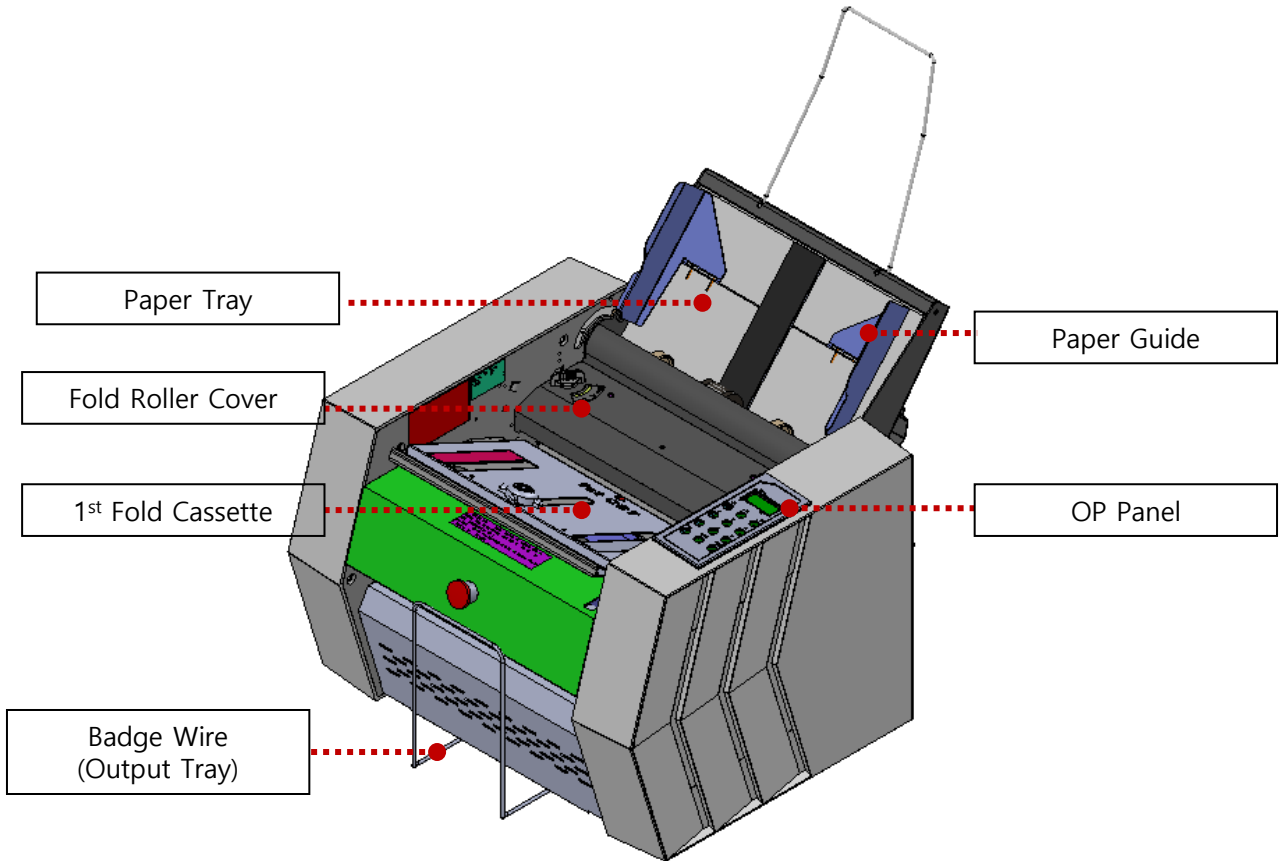
Dynamic design, advanced technology and quality improves your business experience.

Contents	Specifications	Remark
Form Size	A4 / Letter / Legal size	
Speed	5,500 forms / hour	
Input Tray	up to 200 forms	Based on 80gsm
Form Weight	80~105gsm	
Fold Setting	Z, C (Optional), V, Double & 14" uneven Z	
Noise Level	less than 45db	
Weight	22kg (without packaging)	
Dimension	320 X 390 X 280mm (WxLxH)	

* Specification is subject to be revised without notice.

Name of Each Parts

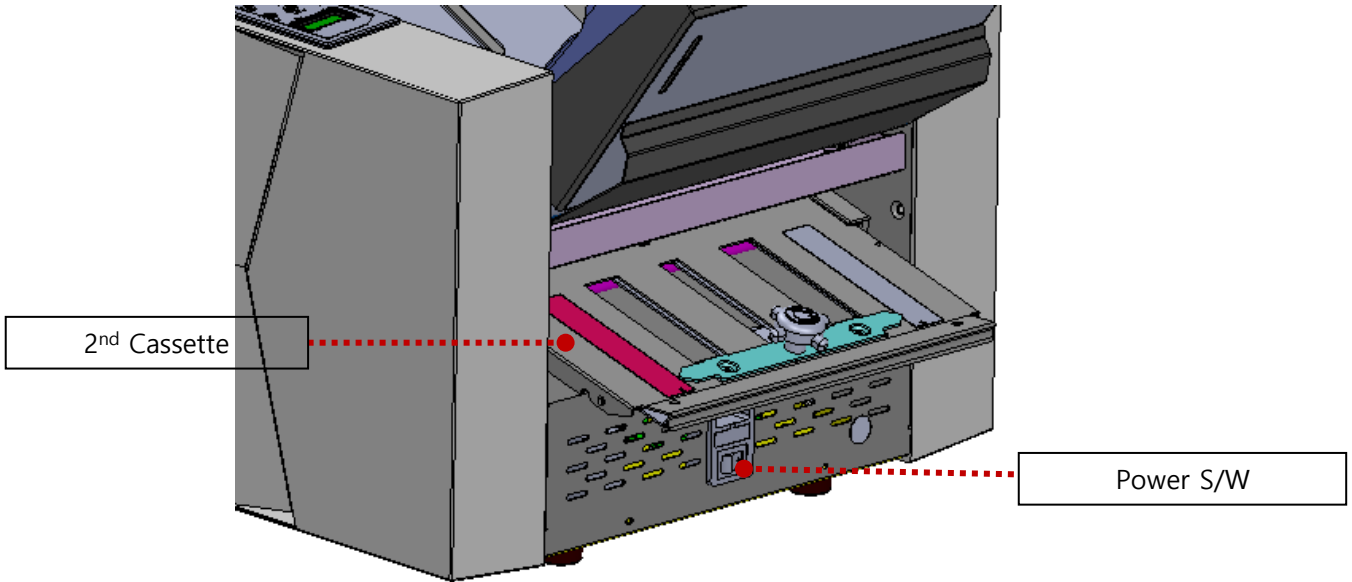
Open the box and place the Main Body on a table. Set up Paper Tray and Badge Wire, and then install Fold Cassette.



- ① Paper Tray: Load the paper on the Tray. (Prepare paper by making edges neat before loading)
- ② Paper Guide: Adjust the Paper Guide to match with the paper width.
- ③ Fold Roller Cover: Open fold roller cover when jam occurs.
- ④ OP Panel: Run & choose the function of the machine.
- ⑤ Badge Wire(Output Tray): Paper output after folding & sealing.
- ⑥ 1st Fold Cassette



Name of Each Parts



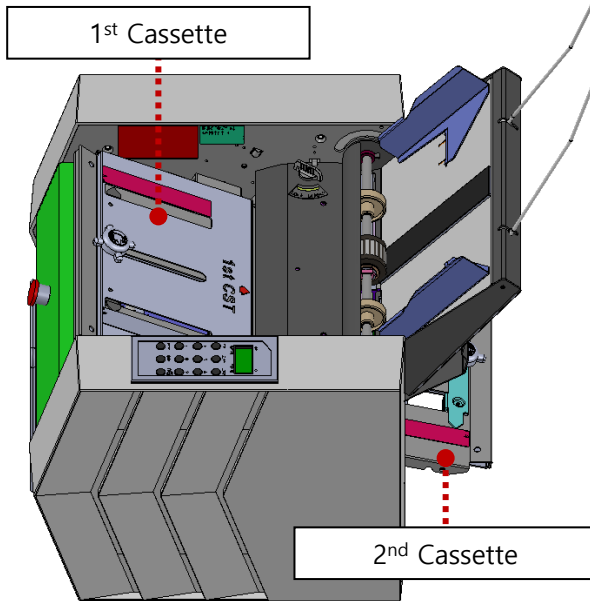
- ⑦ 2nd Fold Cassette
- ⑧ Power S/W: Green Light will be turned on when power on the machine.



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

Folding Cassette Guide

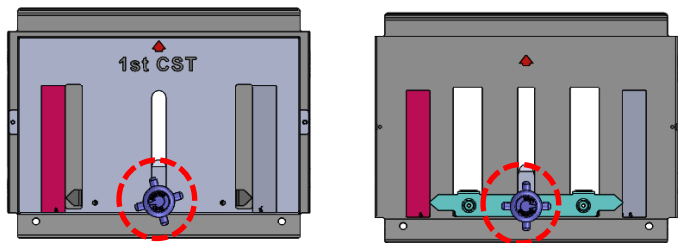
Please follow the instructions to install 1st and 2nd Fold Cassettes, and adjust the Fold Cassettes.



- ① 1st cassette is inserted on the front of the machine.
- ② Insert the 2nd cassette on the back of the machine.

Adjusting the Fold Cassette

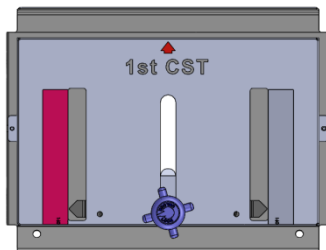
Turn the Knob to adjust the fold cassette to the desired paper type/size. Then turn the knob again to fix the position. (Refer to fold assist label on the back of in-feed tray.)



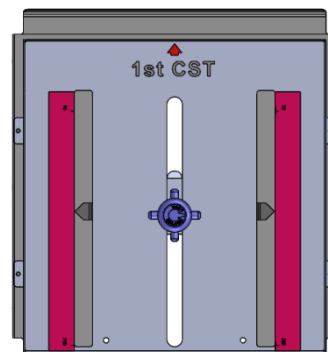
Folding Cassette Guide

ES5600 has 2 different kind of 1st folding cassette. Check below table and if needed, please buy the optional cassette.

		148mm cassette	240mm cassette
Option		Basic	Option
Fold Type	Z	Letter, A4, Legal	Letter, A4, Legal
	V	Letter, A4	Letter, A4, Legal
	C	N/A	Letter, A4, Legal
	Uneven C	N/A	Letter, A4, Legal



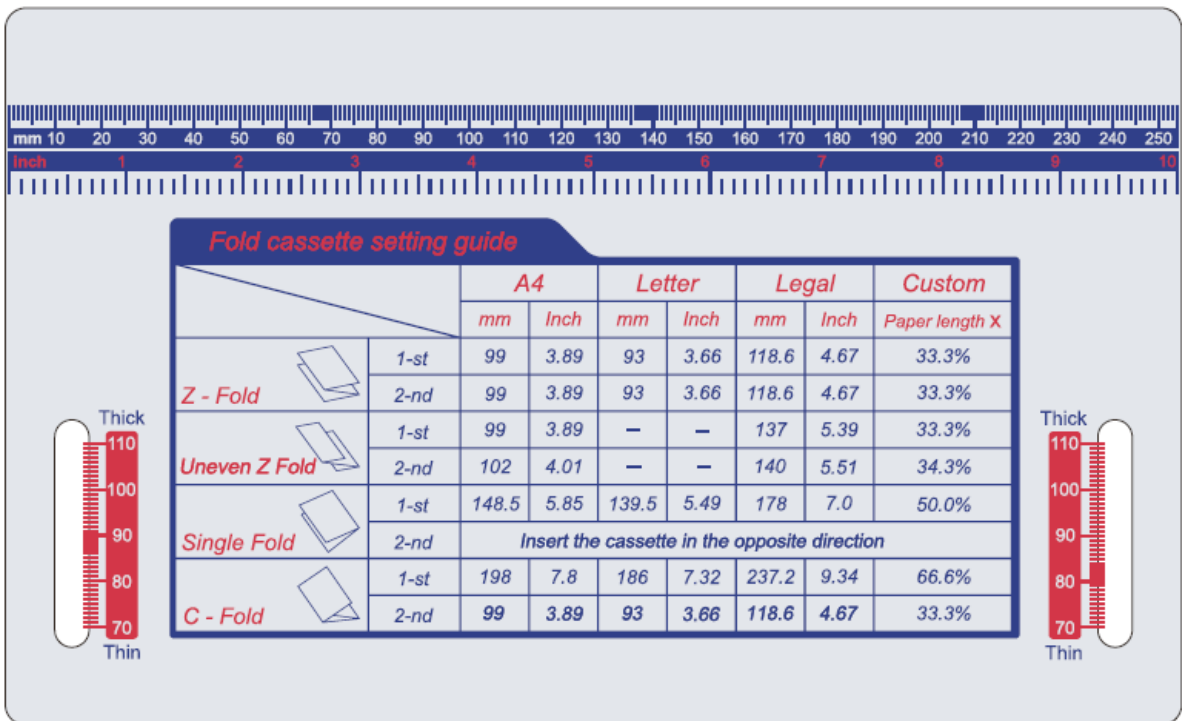
148mm cassette (Basic)



240mm cassette (Option)

Folding Cassette Guide

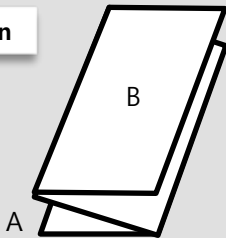
A fold cassette setting guide with ruler is attached on the back of in-feed tray. Please select the folding type you require and adjust the 1st and 2nd cassette location based on this information.



※ If you want to process V-Fold documents (single fold) please remove the 2nd fold cassette, insert it in the opposite direction.

Folding Cassette Guide

Direction



Z Fold

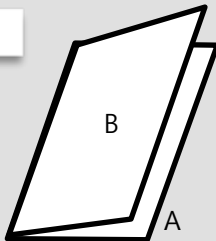
1. Z Fold Setting (A4)

- a. Move 1st cassette stopper to **99mm**.
- b. Move 2nd cassette stopper to **99mm**.

Tip1. If A side of paper is shorter, adjust the position of 1st cassette stopper to longer.

Tip2. If B side of paper is shorter, adjust the position of 2nd cassette stopper to longer.

Direction



V(Single) Fold

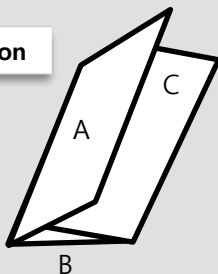
2. V(Single) Fold Setting (A4)

- a. Move 1st cassette stopper to **148.5mm**.
- b. **Remove 2nd cassette and put it back in the opposite direction.**

Tip1. If A side of paper is longer than B, adjust the position of 1st cassette stopper to shorter.

Tip2. If A side of paper is shorter than B, adjust the position of 1st cassette stopper to longer.

Direction



C Fold

3. C Fold Setting (A4) – <Required 240mm Cassette >

- a. Move 1st cassette stopper to **198mm**.
- b. Move 2nd cassette stopper to **99mm**.

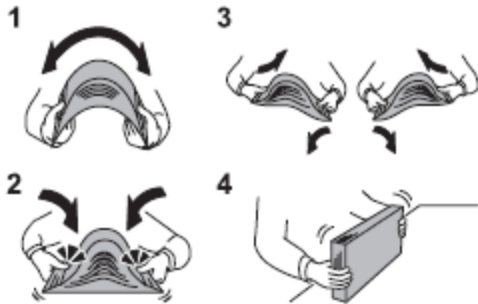
Tip1. If B side of paper is longer than C, adjust the position of 1st cassette stopper to shorter.

(Attention! If the position of 1st cassette is too short, C side of paper would be folded together and jam would occurred.

Tip2. If C side of paper is shorter, adjust the position of 2nd cassette stopper to longer.

Paper Loading

Before Loading



If you unpack the new paper, before loading, please follow the below steps to make air enter into each paper.

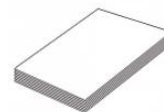
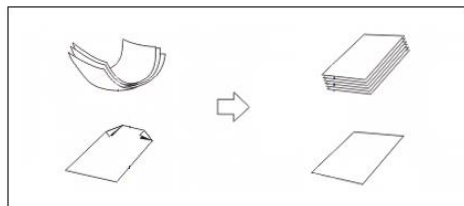
1. Bend the center of the whole batch of paper.
2. Hold the ends of paper and push and pull a few times.
3. Lift the paper left and right to allow the air to go into each paper.
4. Jog the paper on the flat table.



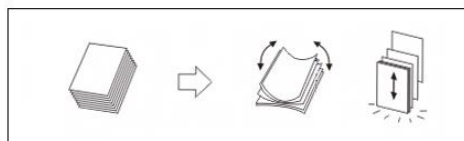
If the paper is curled or folded, Please straighten the paper well before loading. Curled or folded paper will cause paper jams.



Do not expose new paper to high temperature and humidity. The paper can be deformed by moisture. It may cause a paper jam. Keep the rest of paper in the package after loading. If the machine not used for a long time, take out all the paper from the cassette and keep them in the package to avoid deformation or damage by moisture.



Good



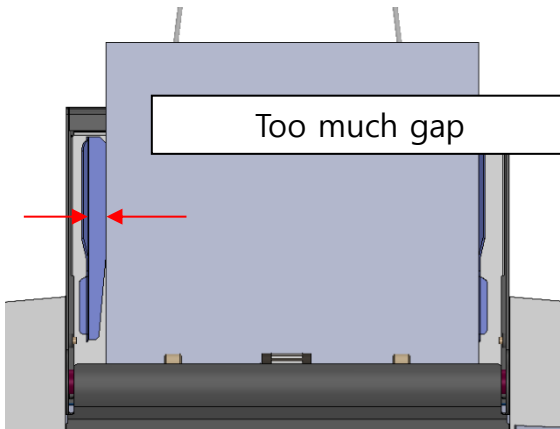
Bad

Paper Loading

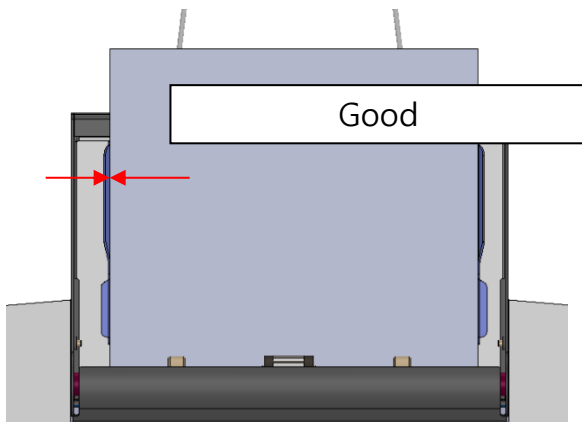
It is important that you load the Paper Guide correctly to minimize the risk of paper jams occurring.

Fan the pressure seal forms to separate and eliminate any static that may have been caused by the laser printer.

※ Adjusting the paper guides to the correct position.



When there is too much gap between the guide and paper as the image, paper could be bended and would lead to jam or crease.



Paper feeding would be stable when sides of the guide well adjust to the paper size.

After Paper Loading, press Start / Stop button to run & stop the operation.



Operation Panel

OP screen

STATUS	DF
READY	19
13	44
BATCH	COUNT

STATUS : The current status of machine.

- READY : Ready to operate
- EMPTY : Empty paper
- WORK : Operation in progress
- AUTO : Auto start
- MANUAL FEED : Manual Mode
- C FOLD : C Fold mode

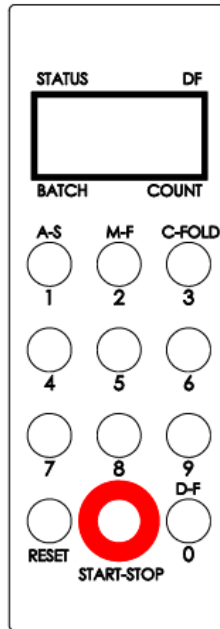
DF : DFD sensibility
When DFD not activated, "X" will be displayed.

BATCH : Batch Count.
"0" means continuous operation.

COUNT : The number of paper done.

Operation Panel

OP screen button



1 ~ 0 : Press the number

START / STOP : Press [START/STOP] button shortly to repeat start and stop

RESET : Press [RESET] shortly to reset the BATCH number to "0"
Press [RESET] for 3 seconds to reset the COUNT number to "0"

0(DF) : Press [0(DF)] for 3 seconds to deactivate the DF function
Press [0(DF)] for 3 seconds again to activate the DF function

1(A) : Auto Start
Press [1(A)] for 3 seconds to activate Auto Start function
Press [1(A)] for 3 seconds again to deactivate Auto Start function

2(MF) : Manual Feed
Remove 1st CST, and press [2(MF)] for 3 seconds to activate Manual Feed function
Press [2(MF)] for 3 seconds again to deactivate Manual Feed function

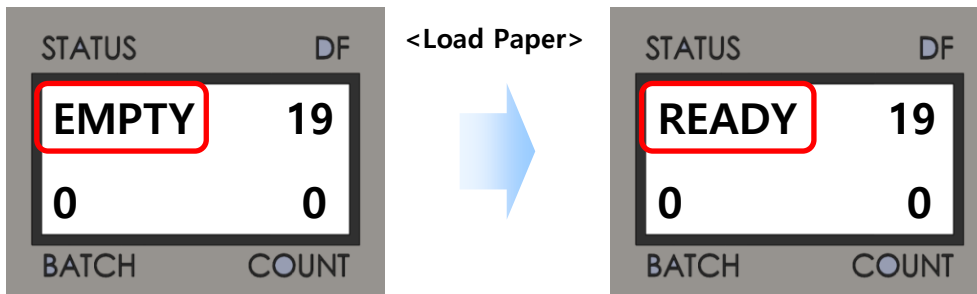
3(CF) : C Fold
Press [3(CF)] for 3 seconds to activate C Fold function
Press [3(CF)] for 3 seconds to deactivate C Fold function

Operation Panel

EMPTY

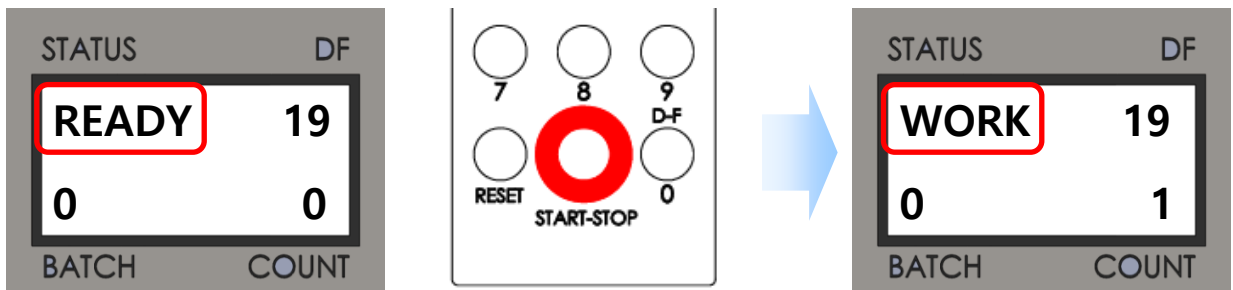
If there is no paper, it shows "EMPTY".
If the paper loaded, it changes to "READY".

<No Paper>



START/STOP

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.

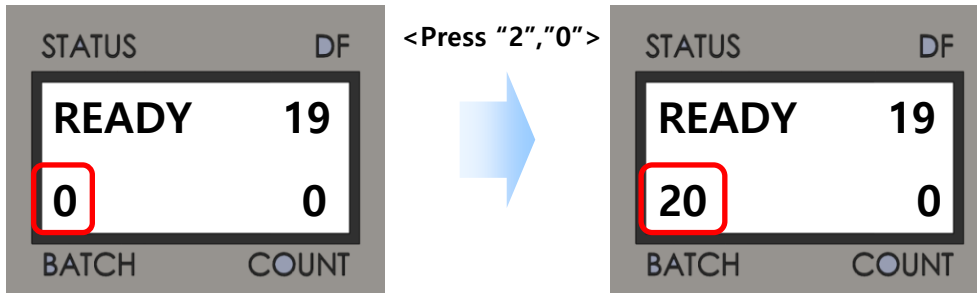


Operation Panel

BATCH COUNT

Press the number to set the BATCH COUNT.

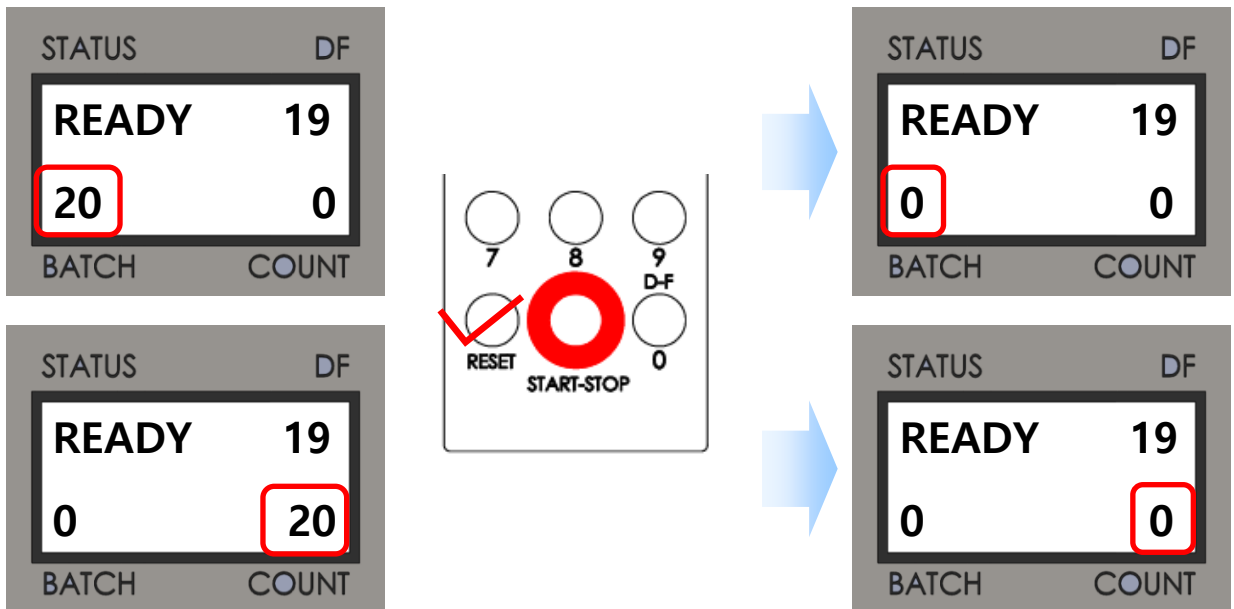
**When the batch is "0", it means continuous operation.



RESET

Press [RESET] shortly to reset the BATCH number to "0"

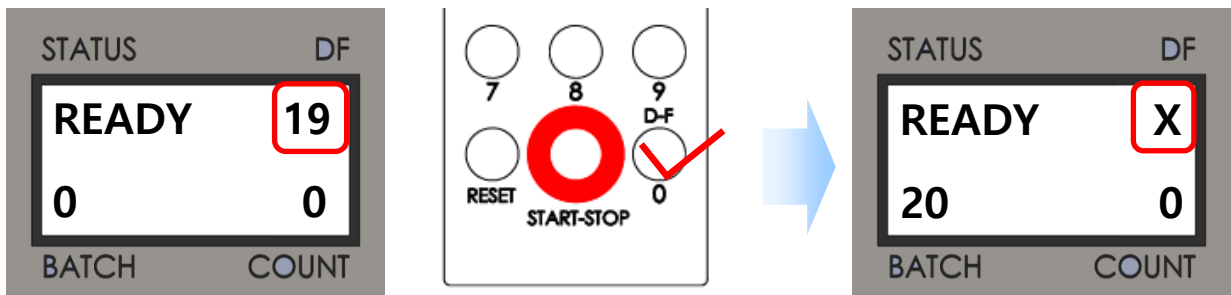
Press [RESET] for 3 seconds to reset the COUNT number to "0"



Operation Panel

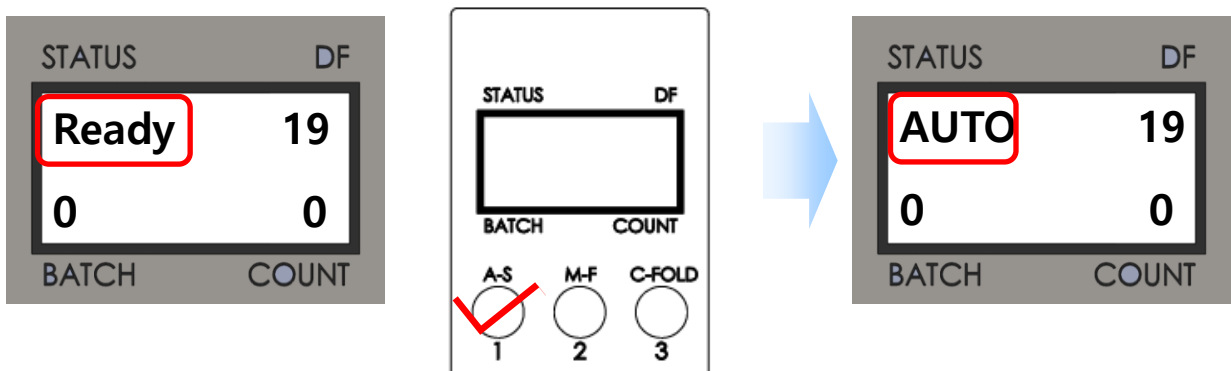
Double Feed (DF)

Press [0(DF)] for 3 seconds in READY status to activate/ deactivate the DF function.
 When deactivate, it shows "X". When activate, It shows "xx"(sensibility).
 (**How to set DF sensibility, refer to P.20)



Auto Start (A)

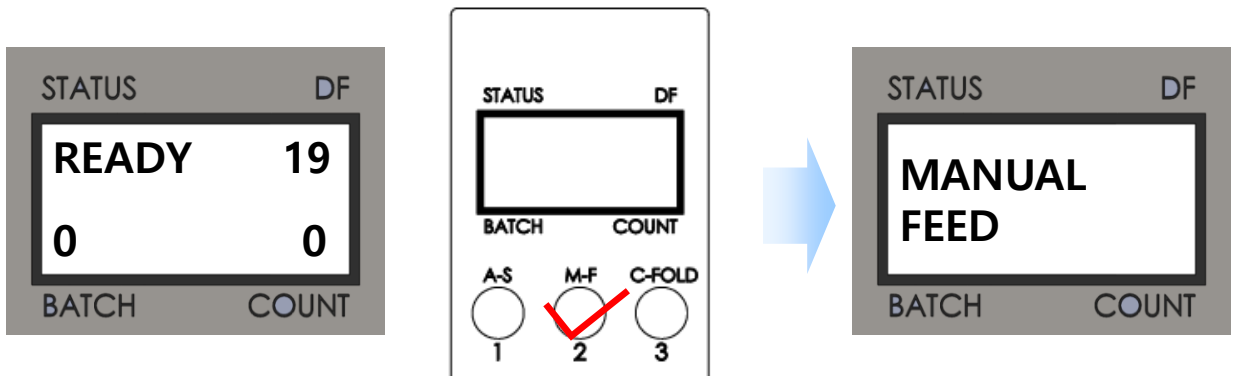
Press [1(A)] for 3 seconds in READY status to activate/ deactivate Auto Start function.
 In Auto Start mode, when the preset number of paper has been completed, the machine automatically starts to operate the preset number of paper.
 (**To set the length of pause, refer to P.21)



Operation Panel

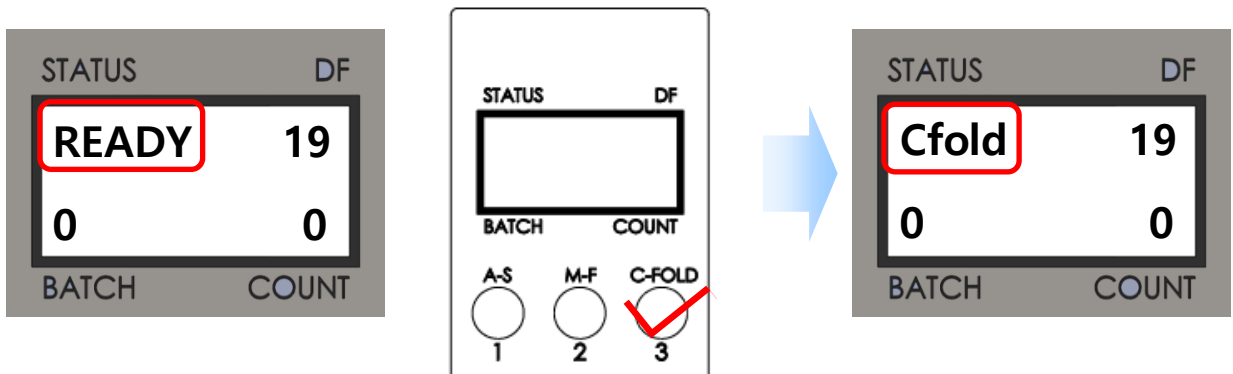
Manual Feed(MF)

Remove 1st CST, and press [2(MF)] for 3 seconds to activate/ deactivate Manual Feed function.



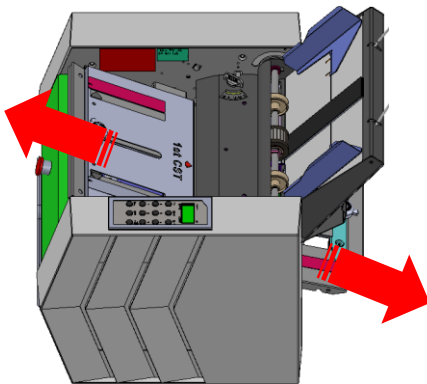
C Fold(CF)

Press [3(CF)] for 3 seconds in READY status to activate/ deactivate C Fold function.

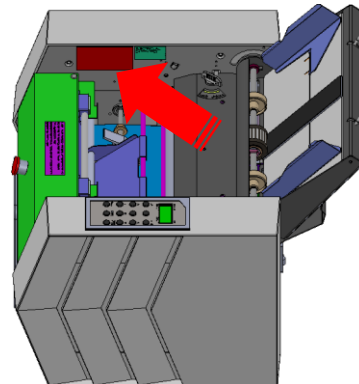


Jam Removal

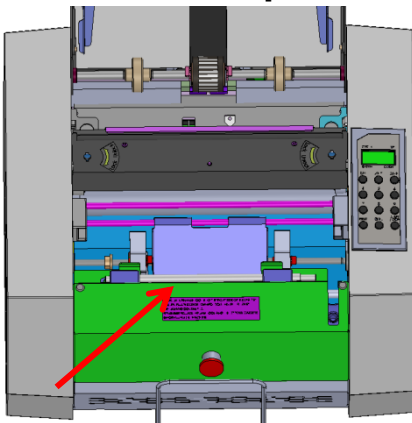
You can easily remove a paper jam as illustrated below. If a paper jam has occurred, the machines will automatically stop. After removing the paper jam, press Reset button for the machine to re-start.



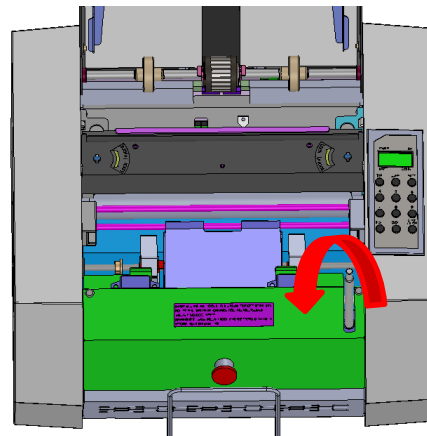
[Pull off the 1st and 2nd cassettes]



[Remove the fold roller cover]



[Place the jam removal tool]



[Insert the jam removal tool into the hole of roller and spin the roller]



Please remember to place the jam removal tool back into its holder once the paper jam has been cleared.

Cleaning

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

1 Paper Dust

Use small air cleaner or dust remover to remove the paper dust.

2 Feed and Fold rollers

Clean the ink and toner residues of feed and fold rollers(aluminum and rubber roller) with alcohol or a cloth with water.

3 Sealing Rollers

With general use, toner and ink will build up on the pressure rollers. Check if the roller has been polluted and clean on a regular basis using a suitable alcohol or roller cleaning fluid. The degree of pollution will vary according to the type of toner and printing.



Do not use any other substance to clean the surface of the fold rollers as it may damage the rubber.



Please contact your service tech for further details on suitable cleaning solutions to be used.

Recommend Replacement Parts

Part No.	Part Name
OM4D-4112	Assy OM4D PAD BASE(WITH STRIPS)
ADN-D024-00_C	ASSY:MAIN ROLL
OM2D-4004_A	PADDLE EPDM
OM2D-5052	Timing Belt B120S5M400
OM2D-5051	Timing Belt B50S3M216
FRR-020DY_C	Clutch:Feed:PM3
OM2D-5001	Silicon O-Ring(Φ 4_ID69.4)
OM2D-2001_A	1ST MAIN FOLD ROLLER
OM2D-2002_B	2ND FOLD ROLLER
WEL-B001-05_B	Assy:1st ROLLER(STEPPEd)
ADN-B001-03_C	Assy:KNURL ROLLER

