

FORMAX[®]

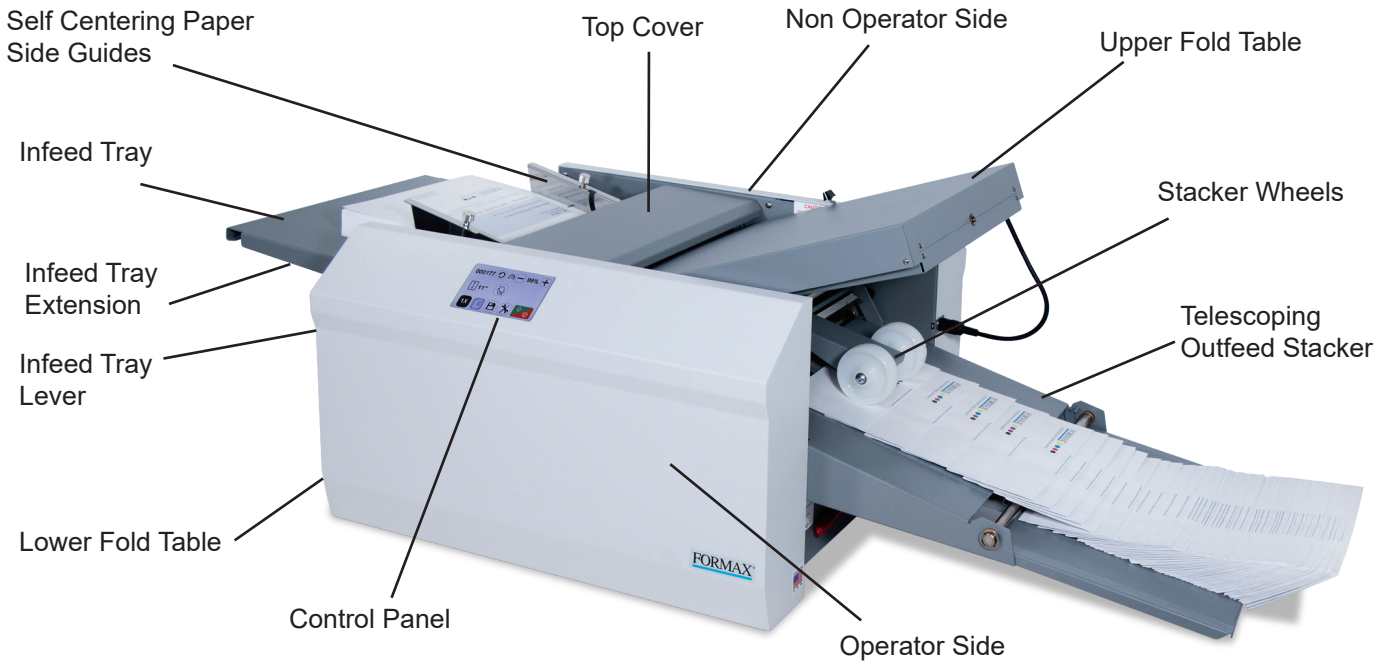
FD 2056 AutoSeal[®]
FE 2056 AutoSeal[®]
Pressure Sealer

OPERATOR MANUAL
FIRST EDITION

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DESCRIPTION



The FD 2056 Pressure Sealer is designed to process a variety of form sizes and weights. The fold tables are automatically adjusted for standard folds and custom folds. Documents that are 8 ½" x 11"/14" and 11" x 17" (A5, A4, A3, B4, B5 & B6) are detected by sensors on the infeed tray. Batch counting, and self-centering side guides are added features. Three standard folds are pre-programmed for 11", 14" and 17" forms, uneven C and Z folds for 14" forms, and up to 36 custom folds can be programmed. The sealer will stop automatically after the last document has been processed.

SPECIFICATIONS

Speed:	Up to 17,000 forms per hour – based on 11" (279mm) Z-Fold
Hopper Capacity:	Up to 500 forms 20# (75gsm)
Pre-Set Folds:	Pre-programmed for C, V, Z in 11 - 17" forms, uneven C, Z in 14" forms
Pre-Set Paper Sizes:	FD Model: 11", 14", 17" FE Model: A5, A4, A3, B6, B5, B4
Custom Folds:	Stores up to 36 custom folds into memory
Paper Size:	Min: 3.5" W x 5" L (88.9 W x 127 L mm) Max: 12.25" W x 17" L (311 W x 432 L mm)
Dimensions:	Closed: 43" L x 21.28" W x 16" H (109 L x 54 W x 41 H cm) Fully Extended: 55" L x 21.28" W x 16" H (140 L x 54 W x 41 H cm)
Weight:	127 lbs (57kg)
Power:	110-240VAC 50/60 Hz
Safety Certifications:	UL & CE applied for

UNPACKING & SETUP

1. Check package for shipping damage. If there is shipping damage, do not discard the box.
2. Remove the machine and packed components from the box. The fold tables, telescoping stacker, and power cord are wrapped separately in the box.

NOTE: Two people must lift the machine from the box.

3. Place the folder on a solid stand.

Install upper and lower fold tables, telescoping conveyor and power cord

1. Be sure the tables are set firmly on the locating pins (Fig 1a & 1b). Slide each fold table in until it meets the first locating pin then push down to set in place.

Upper Fold Table Pins



Fig. 1a

Locating Pins

Lower Fold Table Pins

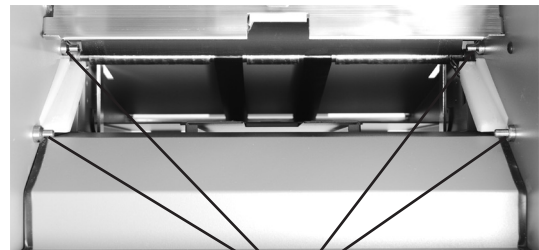


Fig. 1b

Locating Pins

2. Lock the fold table into position (Fig. 2)
3. Repeat the same steps for the lower fold table.

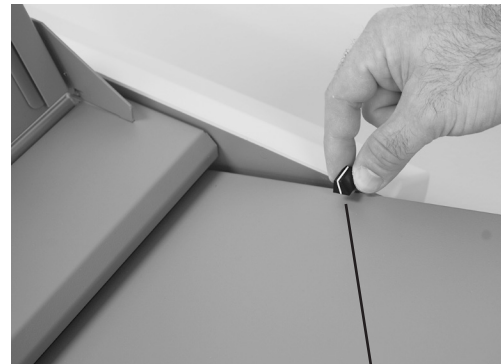


Fig. 2

Fold Table Lock

4. Plug the fold table cables into the receptacles on the side frame (Fig. 3 & 4).

Upper Fold Table Receptacle Location



Fig. 3

Plug in Receptacle

Lower Fold Table Receptacle Location



Fig. 4

Plug in Receptacle

5. Insert the telescoping extension tray into the end of the outfeed conveyor (Fig. 5).

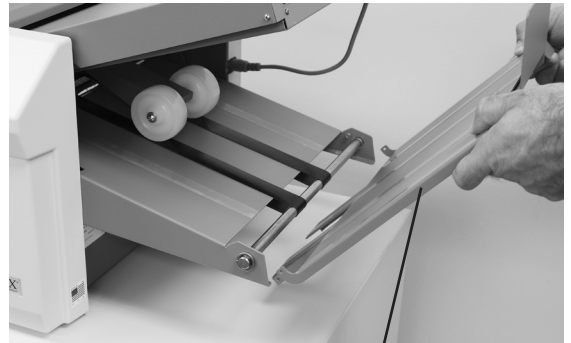
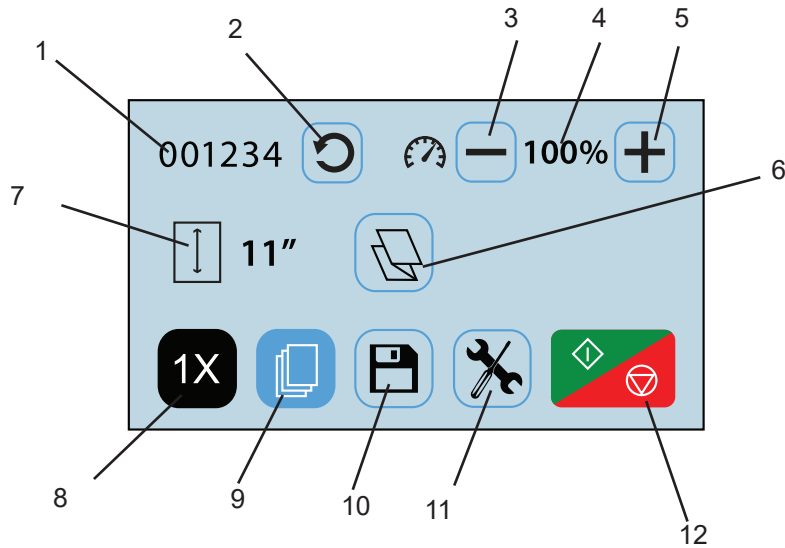


Fig. 5

Telescoping extension tray

6. Make sure the power switch is in the "OFF" position. Plug the power cord into the power inlet and the wall outlet.

CONTROL PANEL - Home Screen Interface




No.	NAME	FUNCTION
1	Resettable Counter	Displays the number of the forms processed, can be reset between each job
2	Counter Reset Icon	Resets the counter to "0"
3	Speed Decrease Icon	Press to decrease the processing speed
4	Speed Level Display	Speed percentage
5	Speed Increase Icon	Press to increase the speed
6	Fold Selection Icon	Press to advance to fold selection screen
7	Paper Size Display	Shows the size of the paper in the pressure sealer
8	1X Fold Test Icon	Press to test the fold selected
9	AutoBatch Mode	Press to enter AutoBatch mode
10	Custom Fold Access	Press to select or edit previously saved custom folds
11	Operator Settings Icon	Press to enter to the operator settings screen
12	Start / Stop Icon	Press to start the pressure sealer. Press to stop the pressure sealer.

Any icon with a blue frame around it (i.e. #2 above) can be adjusted by pressing the icon.

Icons without a blue frame (i.e. #4 above) provide status, and cannot be pressed.

In any other screens, use the  icon after choosing a setting or entering information.

To return to the home screen from any other screen, press the  home icon.

OPERATION

1. Place power switch in the ON / "I" position.
2. Extend the catch tray as required.
3. Set the self-centring paper side guides for the width of the forms and lock in position using thumbscrews. (Fig. 6)

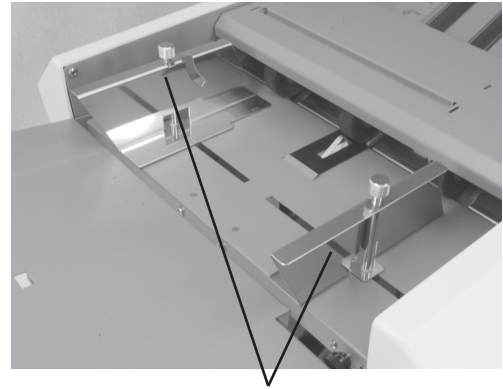


Fig. 6 Self centering side guides

4. Adjust infeed tray tension lever (Fig. 7) for different paper weights. Move the lever up towards the "-" symbol for lighter paper and down toward the "+" symbol for heavier paper. The middle position is for standard paper weights.

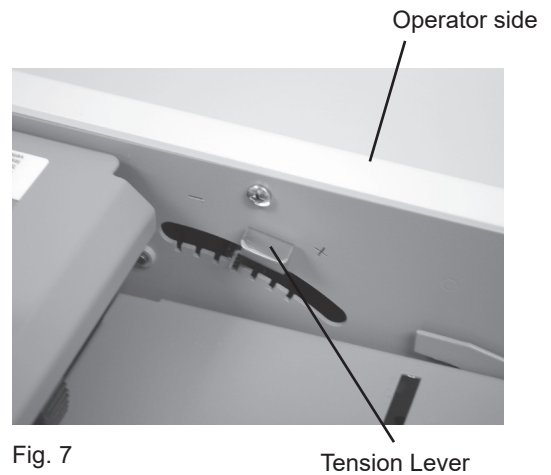




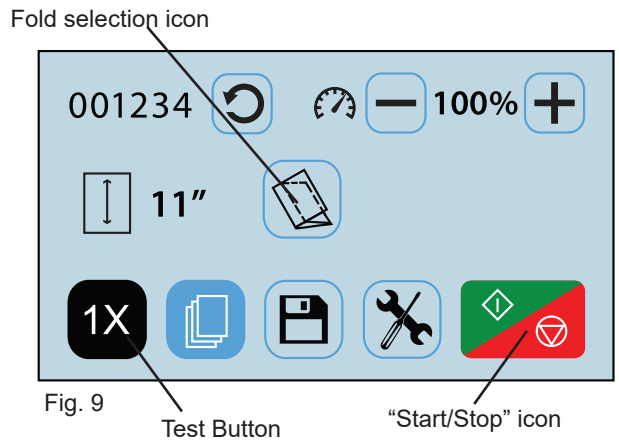
Fig. 7 Tension Lever



5. Raise the infeed tray lever to lower the infeed tray. (Fig. 8)
6. Neatly stack forms on the infeed tray.
7. Lower the infeed tray lever to raise the infeed tray.

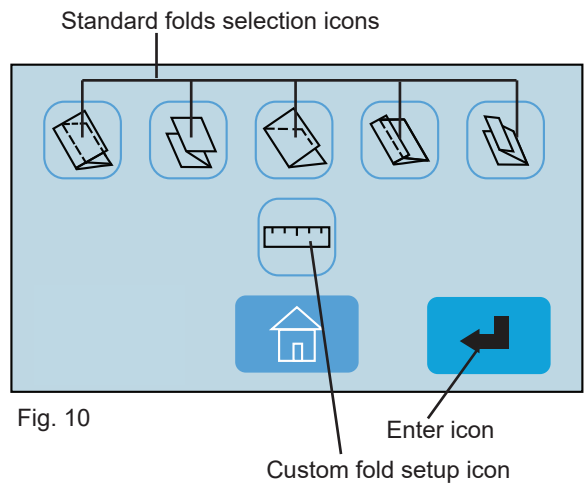


Fig. 8

9. Select the type of fold desired by pressing the fold selection icon  (Fig. 9). Note: *If the fold selection icon shows the desired fold press the “Start/Stop” icon  to begin processing forms.*




10. Select the standard fold type (Fig. 10) needed and press the “Enter” icon  to set the fold stop positions. When the fold stops are set, the control panel will return to the home screen. The selected fold icon should now be displayed. Press the “Start/Stop” icon  to begin processing forms.



Press the test icon  to check the fold.


11. If the fold is skewed, remove forms, lower the infeed tray extension and turn the skew adjustment knob left or right to make corrections (Fig. 11).












12. When satisfied with the test fold, press the “Start/Stop” icon  to begin processing forms. Press the same icon to stop.

13. Press the “-” or “+” icons to adjust machine speed to desired level.

AUTOBATCH COUNTING MODE

The AutoBatch feature can be set to count down the number of sets in a batch, the number of sheets in each set, and the delay between each set. To enter the AutoBatch Mode press the  icon on the main screen (Fig. 12a).

1. To enter the number of sets press the  icon (fig. 12b). Enter the number of sets on the keypad that appears. Next press the  icon to select the number of sheets, and then press the  icon to enter the delay between sets. Press the  to exit the keypad (Fig. 12c).
2. Press the  icon to begin folding. The folder will stop when the number of sets counts down to zero (0).
3. To exit the AutoBatch Mode press the  icon.

Note: Press the  icon on the keypad to exit back to the Auto Batch screen. Press the  icon to edit the number entered. Press the  icon on the keypad to reset the entered number to zero (0).

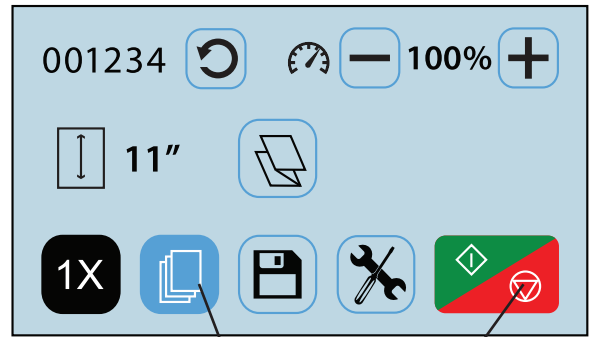


Fig. 12a

AutoBatch Mode

"Start/Stop" icon

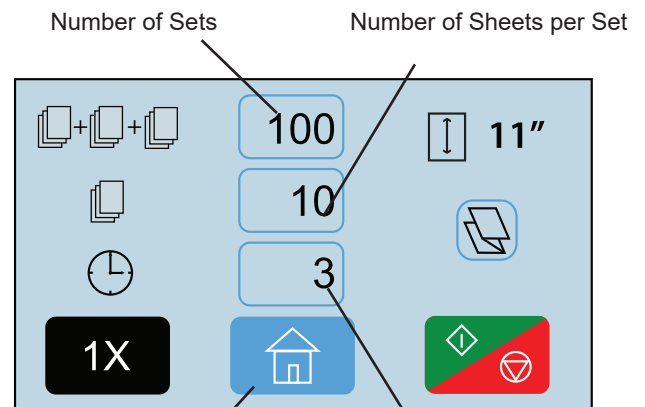


Fig. 12b

Delay between sets (seconds)

Return to Home Screen

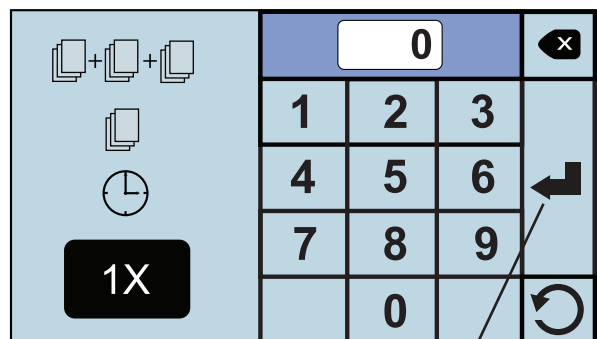




Fig. 12c

Exit icon

FD 2056 CUSTOM FOLDS SETUP

The FD 2056 has 36 custom fold settings that can be stored into memory for recurring jobs with fold settings that vary from the standard fold settings. To create a custom fold, from the Home Screen press the fold selection icon  to access the fold selection screen (Fig. 9). From the fold selection screen press the Custom Fold icon .

See page 11 to help determine the new fold measurements.

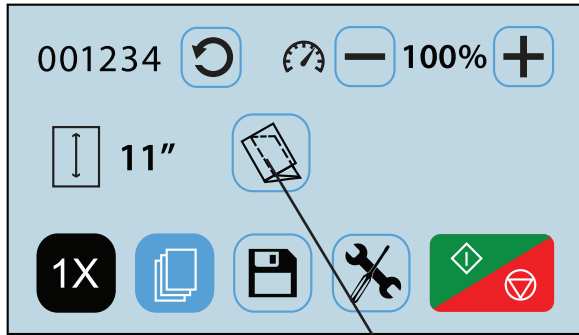


Fig. 13

Fold Selection icon

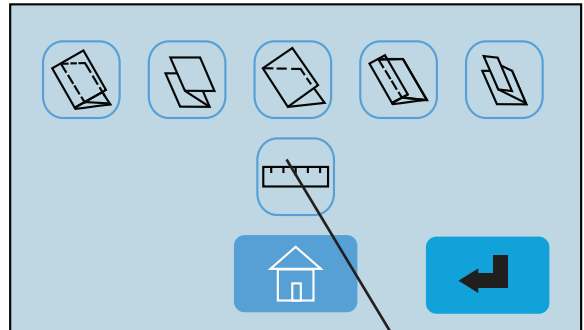




Fig. 14

Custom Fold icon

1. Select the top fold plate icon  (Fig. 15) to set the fold stop position for the first fold (the icon will flash dark gray when selected). Using the touch pad key, in the measurement for the first fold stop position, (**Note:** the minimum position is 1.62" and the max. position is 12.59".).

Press the enter key  to enter the measurement . The white box under the icon will show the measurement entered (Fig. 16).

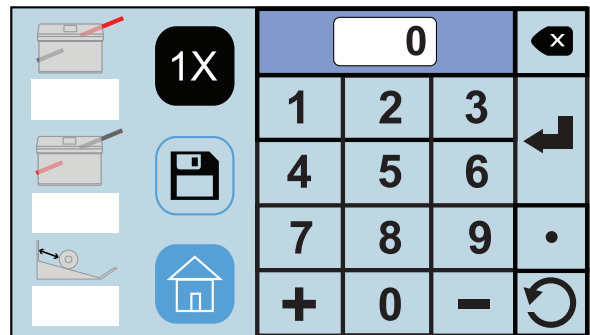




Fig. 15

2. Select the lower fold plate icon  (Fig. 16) to set the fold stop position for the second fold (the icon will flash dark gray when selected). Using the touch pad, key in the measurement for the second fold stop position, (**Note:** the minimum position is 1.49" and the max. position is 8.40".).

Press the enter key  to enter the measurement . The white box under the icon will show the measurement entered.

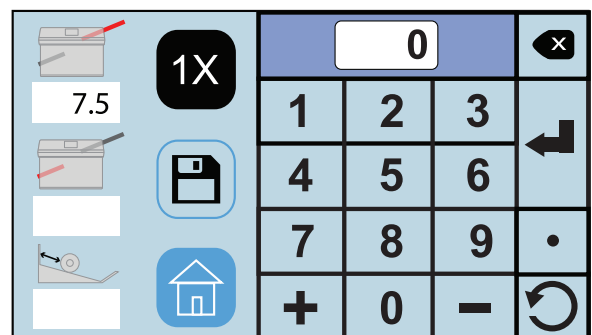



Fig. 16


Leave the fold stop position at Zero for Half Fold.


FD 2056 CUSTOM FOLDS SETUP, cont.


5. Next set the automatic outfeed stackers. There are 10 stacker positions available. Select the one that best matches the size of the folded document. Using the touch pad key in the stacker position (Fig. 17), key in 0 - 9 based on the chart below.

Press the enter key  to enter the position. The white box under the icon will show the position entered. (Fig. 18).

Stacker Wheel Positions:

- | | |
|---|-----------------------------------|
| 0 | Folded size to: 3.75" |
| 1 | Folded size to: 4.00" |
| 2 | Folded size to: 4.43" |
| 3 | Folded size to: 4.87" |
| 4 | Folded size to: 5.30" |
| 5 | Folded size to: 5.73" |
| 6 | Folded size to: 6.16" |
| 7 | Folded size to: 6.60" |
| 8 | Folded size to: 7.03" |
| 9 | Folded size to: 7.46" and greater |
4. With forms loaded in the feeder press the test icon  (Fig. 18) to check that the fold settings are correct. To adjust the settings repeat steps 1 - 3.

When the folds and stacker wheels are set correctly press the save icon  to name and save the custom fold.

5. Select the job number the fold will be saved as (Fig. 19). Press the letter icon  to bring up the keypad to name the custom fold.

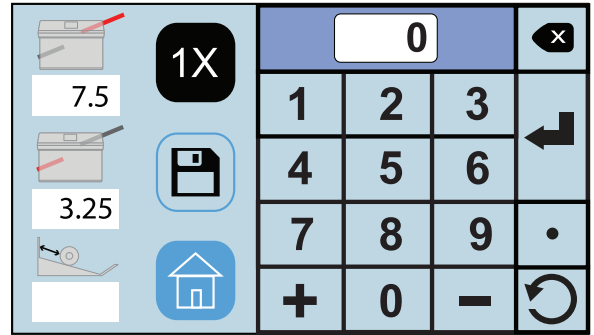


Fig. 17

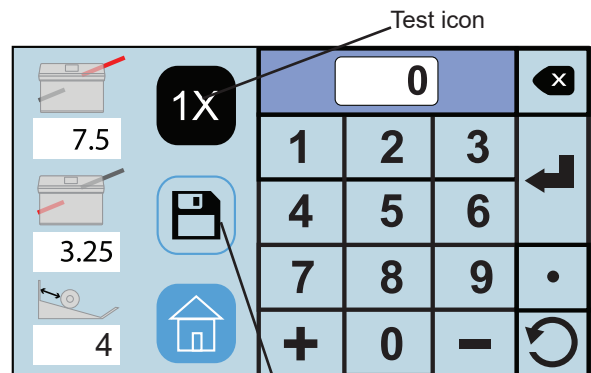


Fig. 18

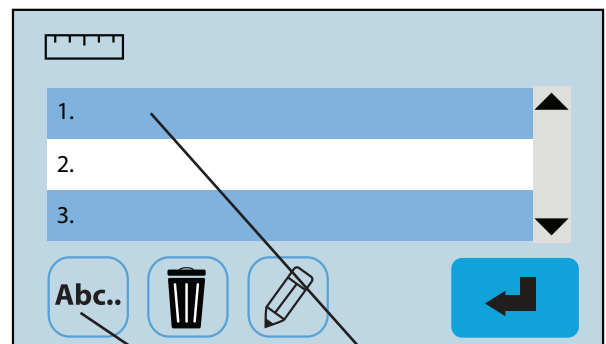


Fig. 19

Letter icon

Custom Job list

FD 2056 CUSTOM FOLDS SETUP, cont.

5. Key in the name of the job (Fig. 20) and press the save icon in the bottom right corner.

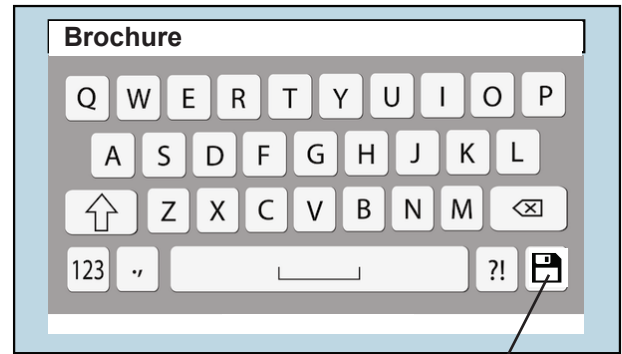



Fig. 20

Save icon

6. Select the custom job and press the blue enter icon  to set the fold stops (Fig. 21).

When the fold stops are set, the folder will return to the Home Screen with the custom job selected.

Press the start icon  to begin folding.

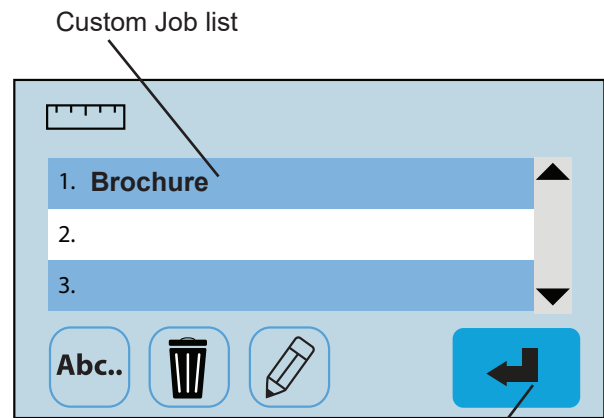


Fig. 21

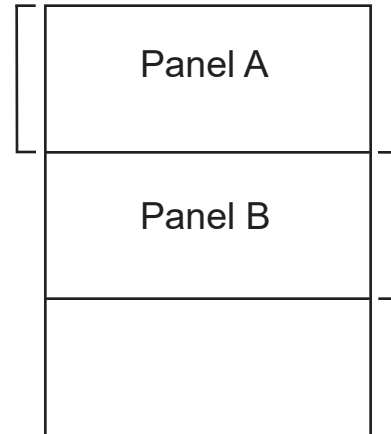
Enter Icon

Measuring Fold Lengths

Use the examples below to help determine the fold lengths for custom fold settings.

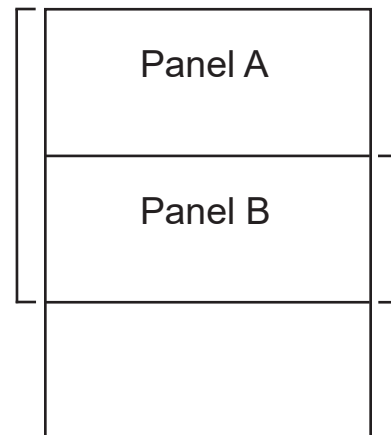
Example 1: “Z” Fold

1. Measure the length of panel “A”, enter this number as the upper fold table measurement.
2. Measure the length of panel “B”, enter this number as the lower fold table measurement.




Example 2: “C” Fold

1. Measure the length of panel “A” + “B”, enter this number as the upper fold table measurement.
2. Measure the length of panel “B”, enter this number as the lower fold table measurement.



RECALLING, EDITING & DELETING SAVED CUSTOM FOLDS SETUP

1. To recall, edit, or delete a saved custom fold from the home screen press the saved job icon  (Fig. 22).

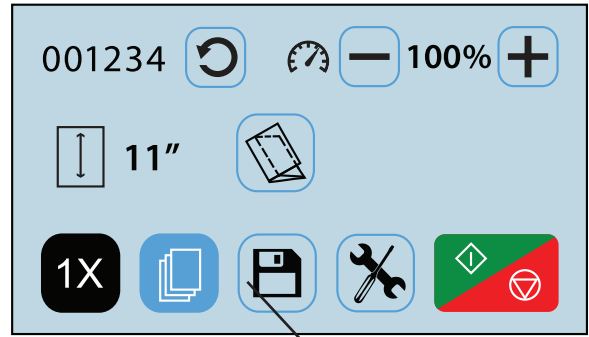



Fig. 22 Saved Job Icon

2. From the saved custom job screen you can recall a job, edit, rename, or delete a stored custom fold.

To recall select the job from the list and press the blue enter button  (Fig. 23). The fold will be set and then will return to the home screen to start processing the job.

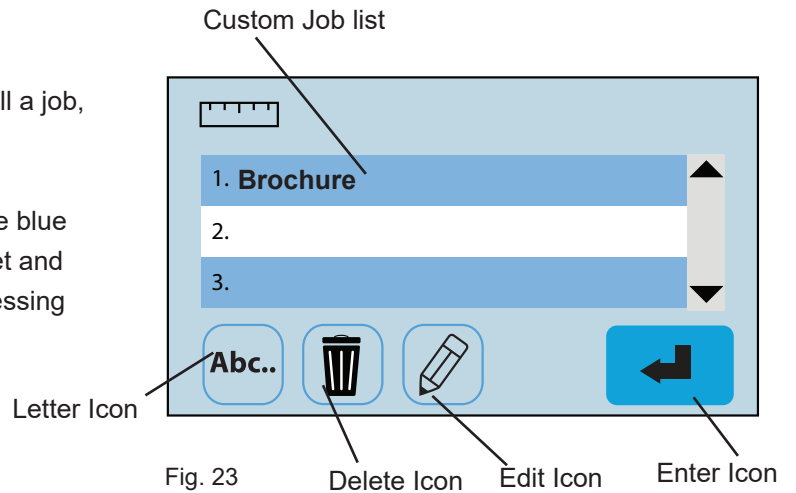



Fig. 23 Letter Icon Delete Icon Edit Icon Enter Icon

3. To rename a job, select the job from the list and press the letter icon  (Fig. 23). Use the keypad to change the name and press the save icon in the lower right corner (Fig. 24).

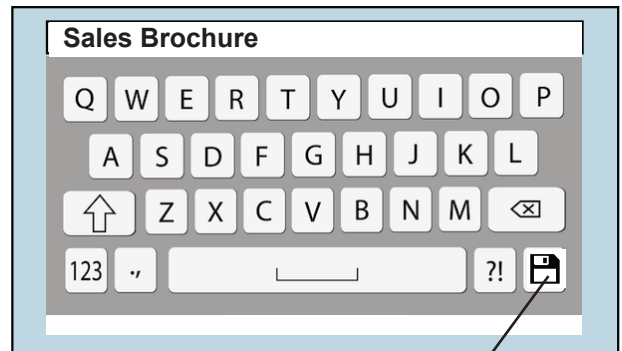



Fig. 24 Save icon

4. To delete a job, select the job from the list and press the delete icon  (Fig. 23). On the confirmation screen press the green box with the check to confirm the deletion or press the red box with the X to cancel the deletion (Fig. 25).

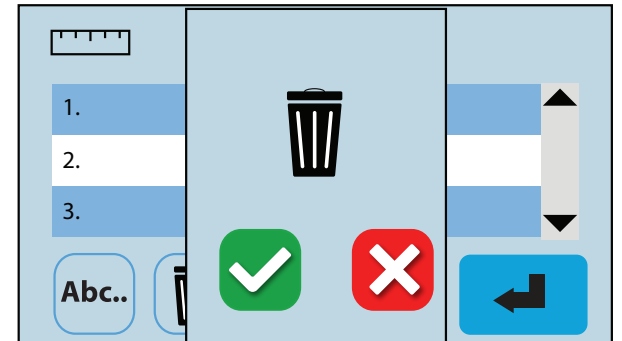



Fig. 25 Deletion confirmation screen

RECALLING, EDITING & DELETING SAVED CUSTOM FOLDS SETUP

- To edit a previously saved job, select the job from the list and press the edit icon  (Fig. 23). From the fold setup screen use the same process as setting a custom fold to edit the job settings (Fig. 26). See page 11 for measuring guidelines.

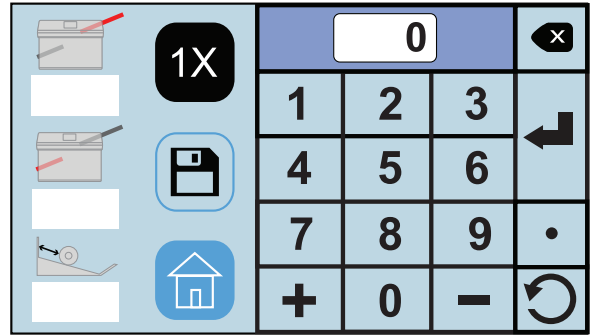


Fig. 26

OPERATOR SETTINGS


A number of operator settings can be adjusted to personalize the FD 386 / FD 38Xi. This includes changing between standard and metric settings, number of test sheets, Fold and Stacker Override, and Standard Fold Override. This section will review each setting and how to adjust them. If needed, there is a Default Settings option that will reset to factory settings. To advance to the Operator Settings Screen press the Tool icon  on the Home screen.



Fig. 27

Operator Settings Icon

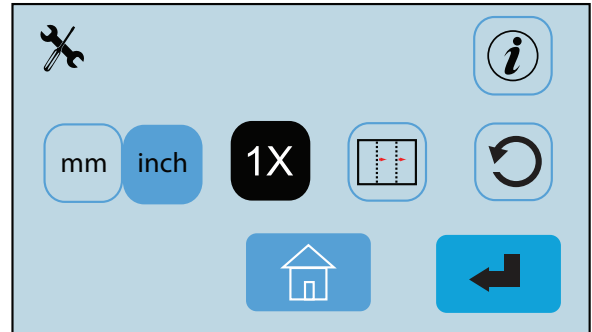



Fig. 28

Operator Settings Screen

Standard / Metric Settings

1. From the Operator Settings screen (Fig. 28) press the measurement setting icon  (Fig. 29) to change between settings. The icon highlights in blue is the selected setting. By changing this setting the paper sizes will change from standard to metric or vice versa.

Press the home icon  to return to the Home Screen.

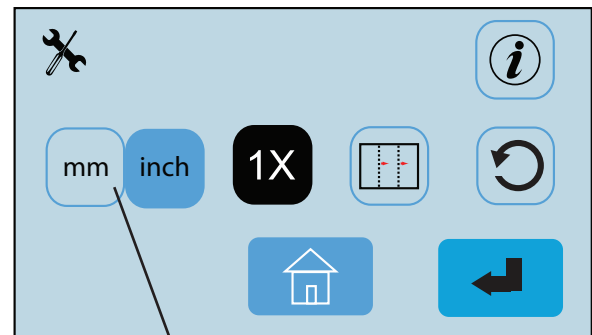




Fig. 29

Standard / Metric Icon

Standard Fold Override

1. It may be necessary to adjust the factory set standard fold settings for a particular fold type and paper size. This can be done in the Standard Fold Override Mode. From the Operator Settings menu select the Standard Fold Override icon  (Fig. 30) and press the enter  icon to select.

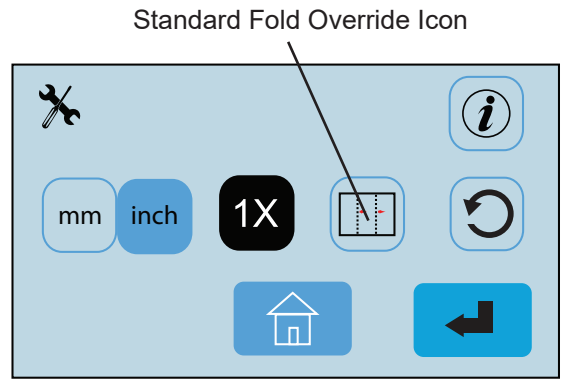


Fig. 30

2. “Standard folds will be modified from factory settings” warning will be displayed (Fig. 31). Press the green box with the check to continue or the red box with the X to exit and return to the operator screen.

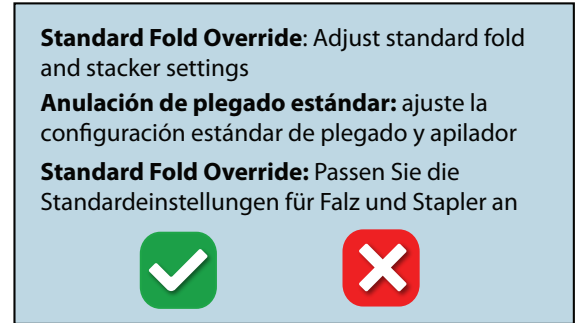



Fig. 31

3. From the Standard Fold Override Screen select the paper size and fold type that you would like to override (Fig. 32). Then press the enter  icon.

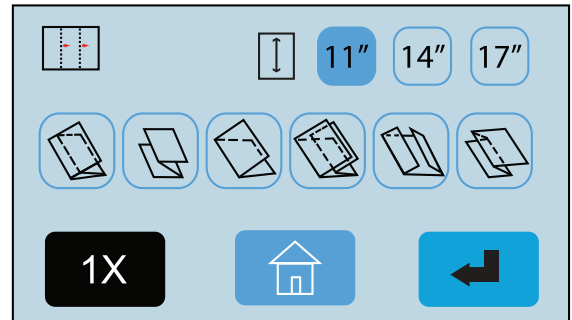




Fig. 32

4. Follow the same procedures as the custom fold settings to adjust the folds (Fig. 33). Press the Test icon  to confirm the change is correct. If the settings are good press the Save Icon  to save the new settings. A save confirmation will be displayed.

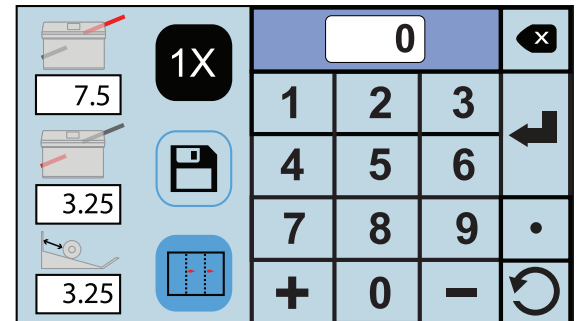


Fig. 33

Press the green box with the check to continue or the red box with the X to return to the fold setup screen (Fig. 34).

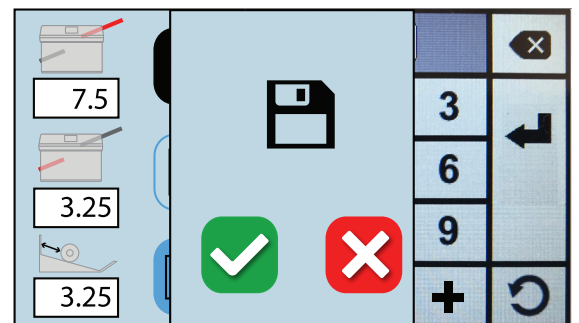



Fig. 34

Test Sheet Setting

The number of test sheets can be changed between 1, 2 or 3.

1. From the Operator Settings Menu press the Test Icon  to access Test Sheet Setting (Fig. 35).

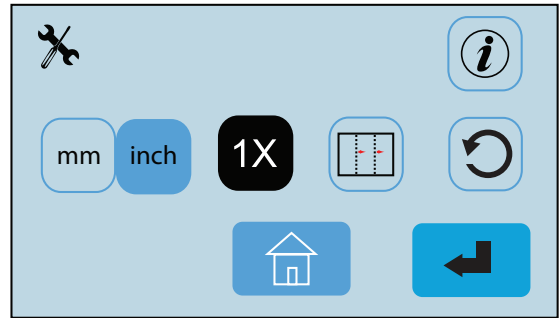



Fig. 35


2. The number of test sheets can be changed to 1, 2, or 3. Press the corresponding test button and then press the enter icon  to save the selection. The chosen icon will be highlighted in black (Fig. 36).

Press the Home button  to return to the Operator Settings screen.



Fig. 36

Default Settings - Return to Factory Settings

1. From the Operator Settings screen press the Default Settings icon  (Fig. 37). A confirmation screen will come up. Press the green box with the check to confirm or the red box with the X to cancel the setting (Fig. 38).

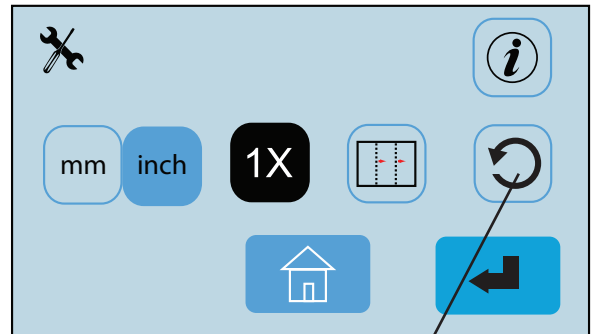


Fig. 37

Default setting Icon

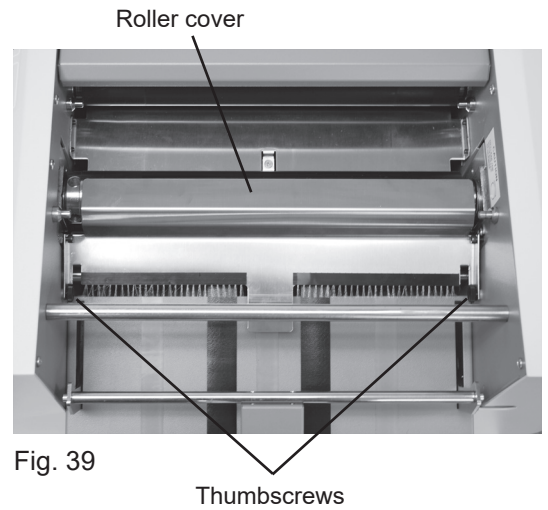


Fig. 38

Default setting confirmation screen

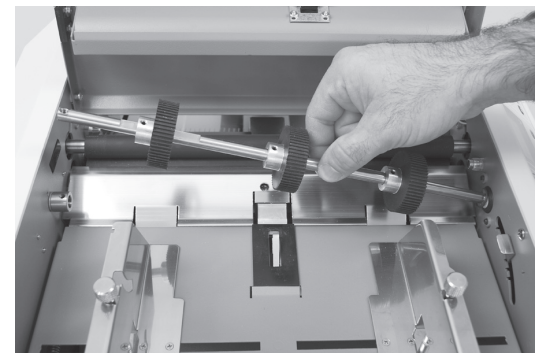
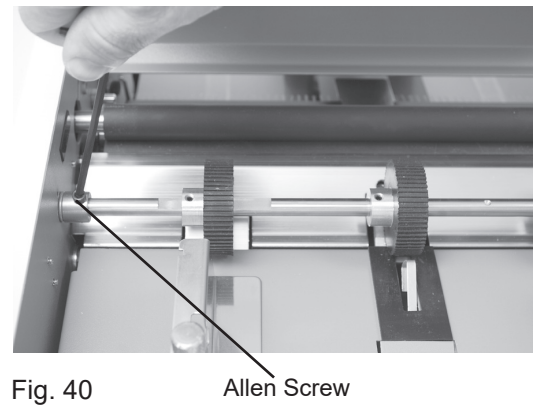
REMOVING ROLLER COVER

The roller cover can be removed to access the sealing rollers. To remove, unscrew thumbscrews that hold the cover in place. (Fig. 39)



REMOVING INFEED TIRES

The infeed tires can easily be removed for cleaning and replacement. Remove the Allen screw located on the left side of the feed tire shaft (Fig. 40). Slide the shaft to the right to release from the side frame and remove (Fig. 41).



DAILY MAINTENANCE

1. It is recommended to let forms cool for one-half hour, from the laser printer, before processing. This allows toner to set on the forms and static electricity to discharge. The FD 402 Jogger is recommended for best results. The Jogger squares the forms and dissipates heat and static electricity created by laser printers.
2. Clean infeed tires and fold rollers with Formax recommended roller cleaner & rejuvenator to remove paper dust and toner. A Formax Cleaner Kit is available from your dealer. A damp cloth with water is the best alternative.

CAUTION: Do not use any chemicals other than the roller cleaner & rejuvenator or water.

CLEANING PROCEDURES:

1. Make sure machine is turned off and unplugged. All folder/sealers have three infeed tires, four rubber fold rollers and two metal seal rollers (Fig. 42a).
2. Lift top covers and remove the upper and lower fold tables.
3. Using Formax roller cleaner, spray a new cotton cloth until the cloth is saturated. Wipe the wet cloth in a back and forth motion making sure to clean the entire surface of the infeed tires, fold and seal rollers. Next, use a dry cloth to wipe off excess toner. The cloth should be covered with black toner surplus from cleaning the rollers.
4. Run 10-15 sheets of blank copy paper to ensure all cleaner has been removed from the tires, fold and seal rollers. Running blank sheets will remove any excess residue of cleaner on the rollers.

NOTE: If the fold rollers are very dirty, you may use a green scrubbing sponge, i.e. ScotchBrite, with the roller cleaning solution.

DO NOT use a scrubbing sponge on the seal rollers. It will damage the surface. Use **ONLY** a new cotton cloth and roller cleaning solution on the seal rollers (Fig. 42b)

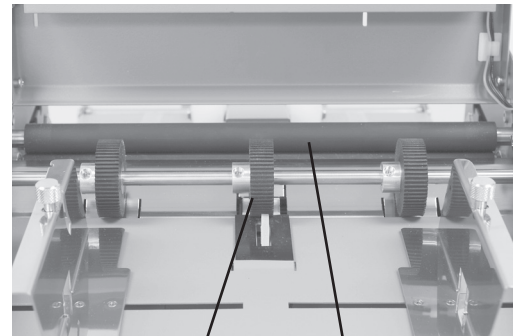


Fig. 42a

Infeed Tires

Fold Rollers

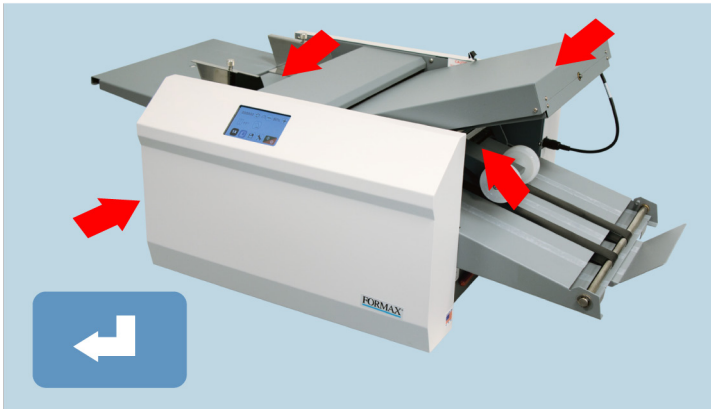



Fig. 42b

Seal rollers

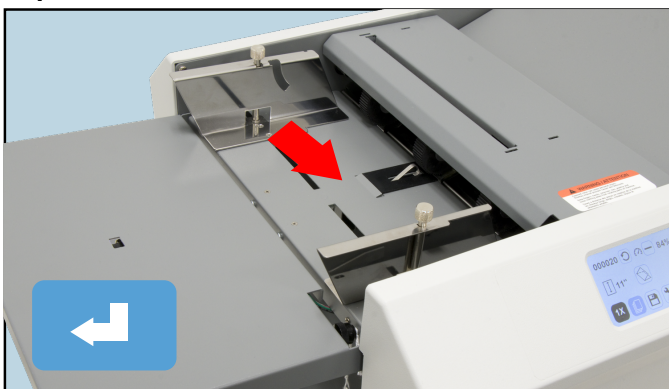
ERROR SCREENS


Paper Misfeed / Paper Jam



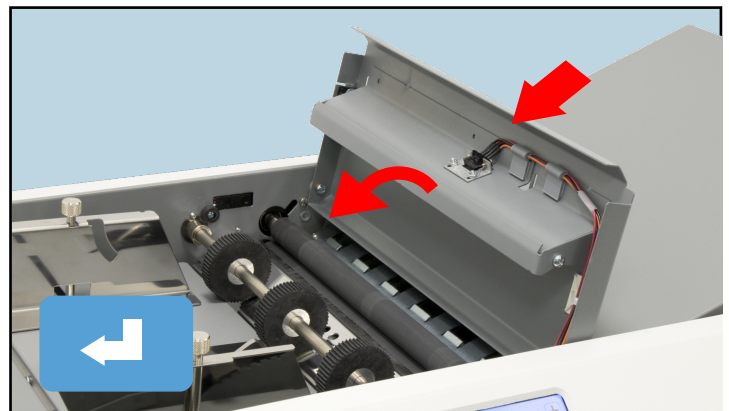
A misfeed has occurred. Reset the stack of paper in the infeed and press the  icon to resume operation. A Paper jam has occurred in one of the areas indicated. Turn the folder to the off position and unplug. Check the area indicated for paper and remove. Replace the fold plates and plug the folder in and the power on.


Paper Out



There is no paper in the infeed. Reload paper and press the  icon to resume operation.

Cover Open



The top cover is open. Close the top cover and press the  icon to resume operation.

TROUBLE-SHOOTING

TROUBLE	POSSIBLE CAUSE	REMEDY
Control panel is not illuminated.	Power switch turned off. No power at the wall outlet. No power to the machine inlet. No power to the control panel. Internal electrical failure	Turn on power switch. Check wall outlet. Check power cord for frayed/broken wires. Press the button on the circuit breaker. Call for service.
Fold table stop not moving when “Test”/ “Start” is pressed.	Fold table is not plugged in. Electrical or mechanical failure	Plug in fold table. Call for service.
“Cover Open” image is displayed.	Cover open Magnetic switch is broken.	Close cover. Call for service.
“Paper out” image is displayed.	Infeed tray is empty.	Place documents on the infeed tray.
“Paper Jam / Misfeed” image is displayed.	Paper misfeed Paper jammed at exit of folder	Reload paper and press “Counter Reset” button. Remove paper and press “Counter Reset” button.
Black marks on the folded paper.	Infeed tires, separator, and/or fold rollers are dirty.	Clean the parts with approved roller cleaner and rejuvenator.
Fold is skewed.	Infeed tray is out of adjustment.	Turn skew adjuster knob to remove the skew.
Stacker belts do not turn.	Broken drive belt, worn drive gear.	Call for service.
Documents are wrinkled or crunched.	Fold tables are not inserted correctly. Piece of paper or other material is stuck in the fold table.	Remove and reinstall fold tables. Be sure they’re properly positioned. Remove object from the fold table.
Infeed tray lever does not work	Broken spring	Call for service.
Double feeding forms	Documents stuck together More tension is needed Feed tire or separator worn	Jog forms to remove static electricity. Adjust the infeed tension lever (page 5, Fig. 8) Call for service
Not feeding documents	Feed tires are dirty Feed tires or separator worn	Clean feed tires Call for Service
Power loss	Circuit Breaker tripped Under adverse conditions, power input level may drop below acceptable limits	Press black reset button next to power inlet. When power is restored, turn off machine, then turn on again to restore normal operations.

TROUBLESHOOTING

Clearing Paper Jams

WARNING: Turn off machine and unplug cord from its receptacle

If a jam occurs between the metal seal rollers, open the top cover, unplug and remove the upper fold table.

Remove the jam clearing tool (located under the upper fold table), apply the tool to the upper metal roller (Fig. 43), and turn clockwise until the paper jam is clear.

NOTE: Do not turn counter-clockwise and force the forms to exit machine as rollers may be damaged. Remove the jammed form, return tool to holder and reinstall upper fold table. Reinstall cover and press reset button.

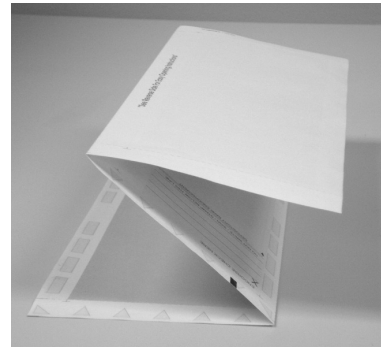
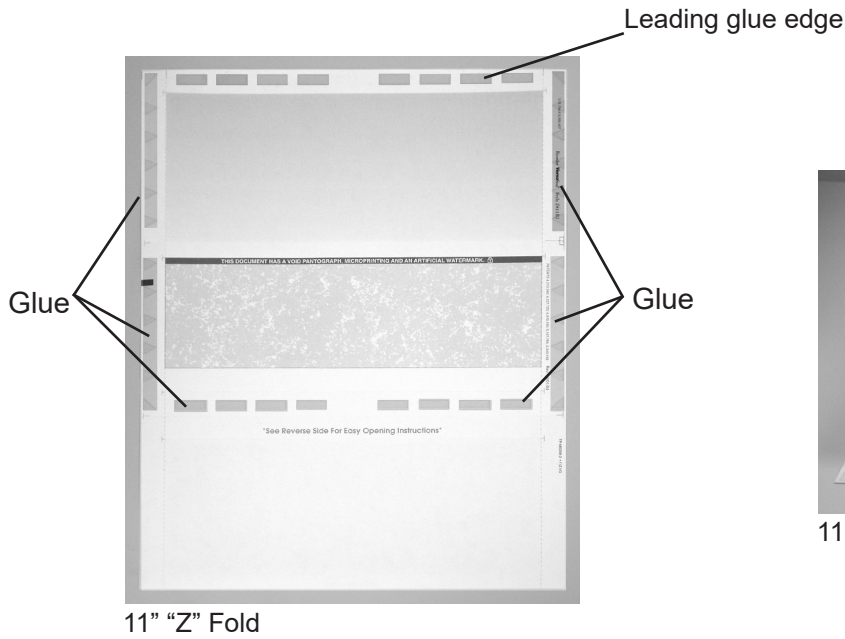
Using the Jam Clearing Tool



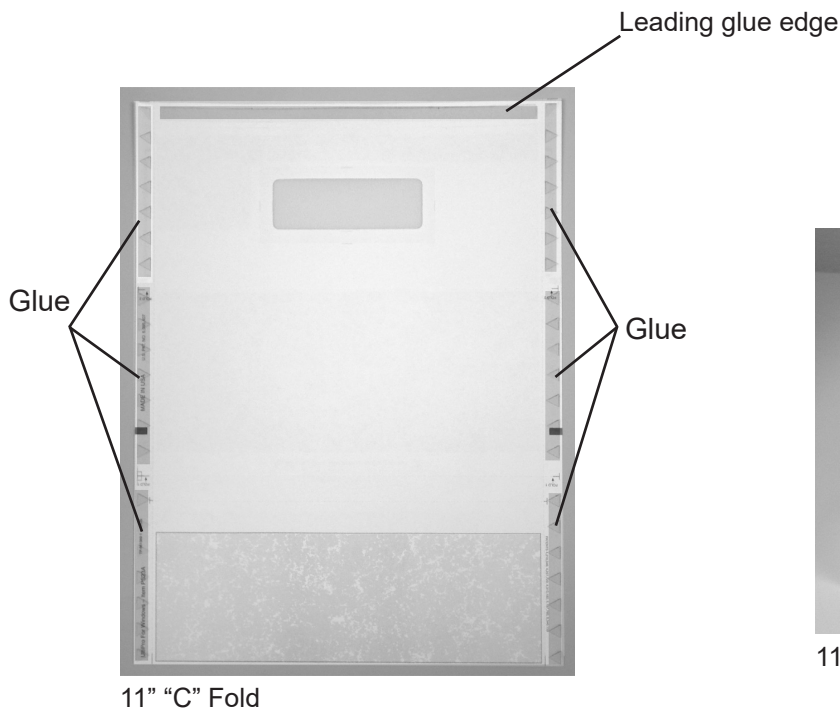
Fig. 43

DETERMINING FOLD TYPE

Two Standard Folds 11" "Z" & 11" "C"
Refer to Operator Manual for custom fold setup.



11" "Z" Fold



11" "C" Fold

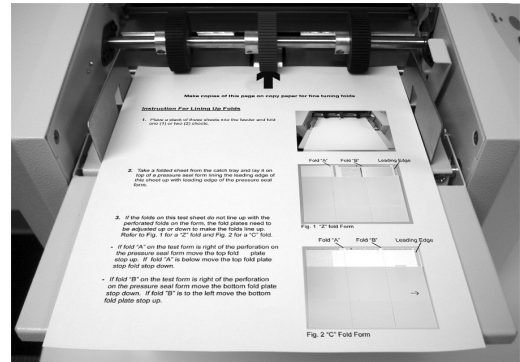
Leading Edge



Make copies of this page on copy paper for fine tuning folds

Instruction For Lining Up Folds

1. Place a stack of these sheets into the feeder and fold one (1) or two (2) sheets.



2. Take a folded sheet from the catch tray and lay it on top of a pressure seal form lining the leading edge of this sheet up with leading edge of the pressure seal form.

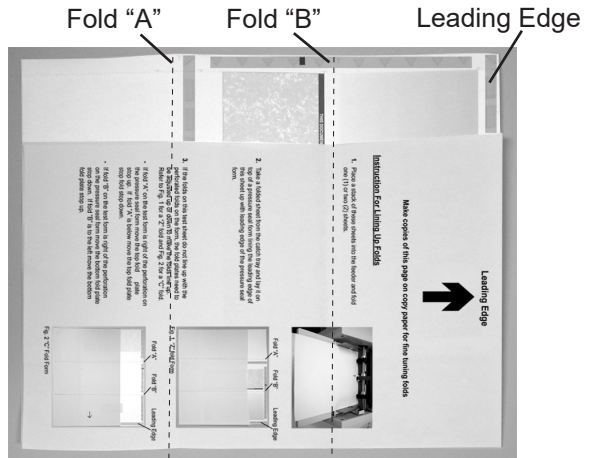


Fig. 44 "Z" fold Form

3. If the folds on this test sheet do not line up with the perforated folds on the form, the fold plates need to be adjusted up or down to make the folds line up. Refer to Fig. 44 for a "Z" fold and Fig. 45 for a "C" fold.

- If fold "A" on the test form is to the right of the perforation on the pressure seal form move the top fold plate stop position up. If fold "A" is to the left move the top fold plate stop position down.

- If fold "B" on the test form is to the right of the perforation on the pressure seal form move the bottom fold plate stop position down. If fold "B" is to the left move the bottom fold plate stop position up.

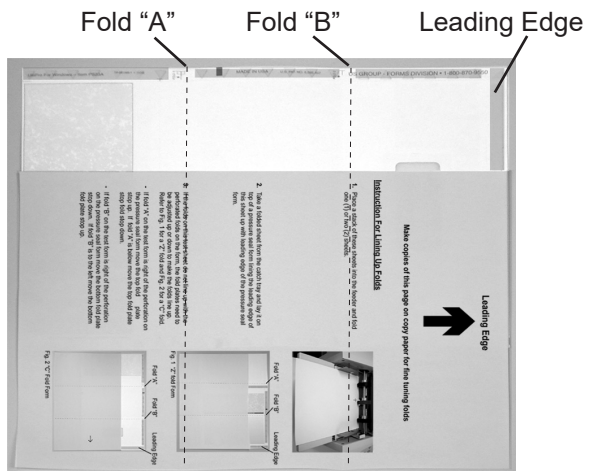


Fig. 45 "C" Fold Form