



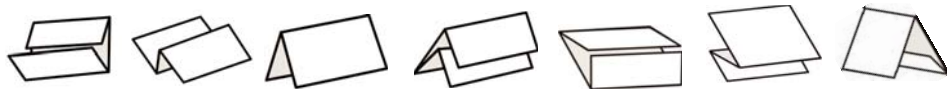
# 2051 SmartFold™

## Set-up Instructions

### Specifications

#### Functional

**Paper Weight** . . . . .18# Bond (67.72gsm) min., 90# Index (161.78gsm) Max.  
**Max Paper Size** . . . . .12" W x 18" L max.  
**Min Paper Size** . . . . .2.5" W x 5.2" L min. (half fold only)  
**Speed** . . . . .3000 - 15,000 sheets per hour (8 1/2" x 11" sheets, Letter fold)  
 \*Speeds may vary because of different paper lengths & fold types  
**Types of Folds** .Letter, Zee, Half, Double Parallel, Gate, Engineering, Church



**Programmed Paper Sizes** . . . . .8 1/2" X 11", 8 1/2" X 14", 11" X 17", A3, A4  
**Fold Length** . . .2.3" (5.8 cm) min., 14.75" (37.5 cm) max., for both fold tables  
**Storage** . . .Up to 10 custom fold table positions and paper lengths can be stored  
**Paper Capacity** . . . . .500 sheets of 20# Bond paper (75 gsm), or a 2 1/4" stack  
**Feed Method** . . . . .Top Feed, Friction

#### Physical

**Dimensions** . .43.2" (110 cm) Wide x 17.8" (452 cm) High x 22.2" Deep (564 cm)  
**Shipping Weight** . . . . .102 lbs.

#### Electrical

**Power** . . . . .115 V, AC, 1,4 A, 50/60Hz  
**Optional** . . . . .220/230 V.A.C., .8 Amps, 50/60 Hz

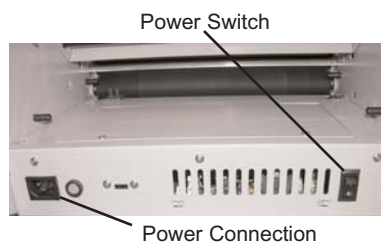
**WARNING! Never connect power to the machine until you are ready to set up and operate the folder. This machine contains moving parts. During setup, operation, and maintenance keep hands, hair, loose clothing, and jewelry away from all moving parts. Serious bodily injury could result.**

**Notice: This folder contains NO USER SERVICEABLE COMPONENTS. Service or disassembly should only be completed by a qualified technician, and with the power disconnected and locked out. The AC outlet for this machine must be near by, and access to the outlet must not be blocked.**

### ▶ Getting Started (Installation)

#### Power Connection

The Power Cord plugs into the Power Connection on the folder. Please note the location of the power switch & fuseholder at this time, which are located on the same surface as the power connection, nearest the front of the folder.

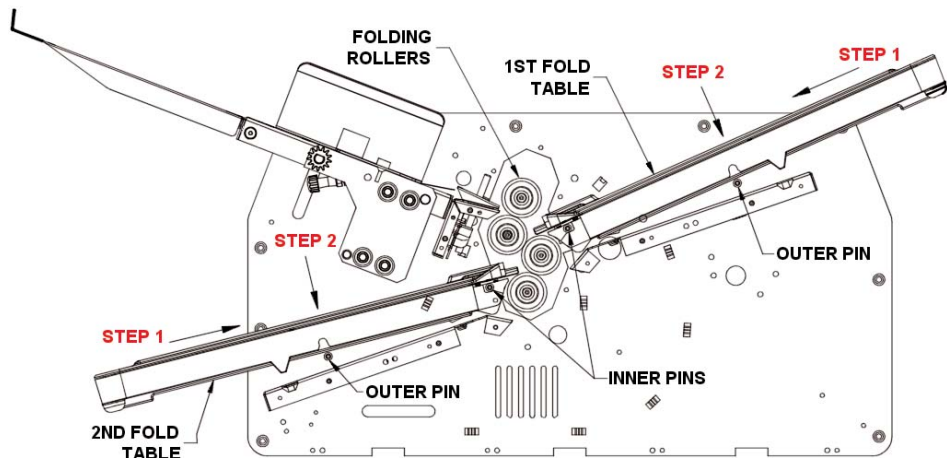


#### Fold Tables

Both fold table assemblies are the same, and can be installed into either the first or second fold table positions.

#### Fold Table Installation

To install the 1st Fold Table, refer to the illustration below. Step 1: slide the front slot opening of the fold table onto the inner set of pins (closest to the folding rollers). Step 2: lower the fold table onto the outer set of pins with a light amount of downward pressure as shown. There will be a slight snapping action as the fold table drops into the detent position. Repeat Step 1 and Step 2 for 2nd Fold Table installation.



#### Table Extension

Your folder comes with two Table Extensions. One is used as an extension on the Exit Conveyor, the other on the Feed Table (see illustration at right).

To install the Extension onto the Feed Table, align the locking tabs of the Extension with the slots in the Feed Table as shown. Squeeze the Feed Table and Extension together nearest the tabs and slots until the 2 pieces snap together.



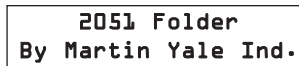
#### Installing table extensions (cont.)

To install the Extension onto the Exit Conveyor, align the tabs on the Extension with the slots provided in the Exit Conveyor as shown. No force is required to install the Extension - gravity will hold the Extension in place.



### ▶ Using Your Folder

Reach under the second fold table and turn on the power. When the power switch is turned on, the display will read as follows:



This message will display for a short time and then the display will read:

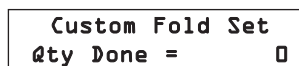
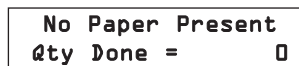


In the event that you must call Martin Yale Support for help, please have the software revision number available.

After a few seconds, the display will change again and read as follows:



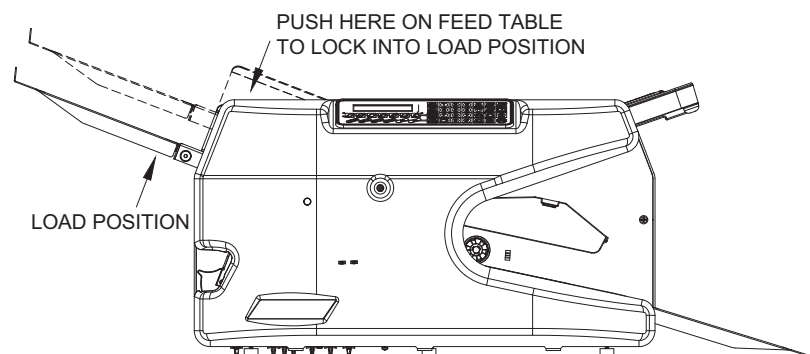
Both fold tables will begin to move to their respective home positions. This operation may take several seconds. Allow the folder to continue without interruption until the display changes. Once the Fold Tables have been homed, the display will toggle between these 2 messages:



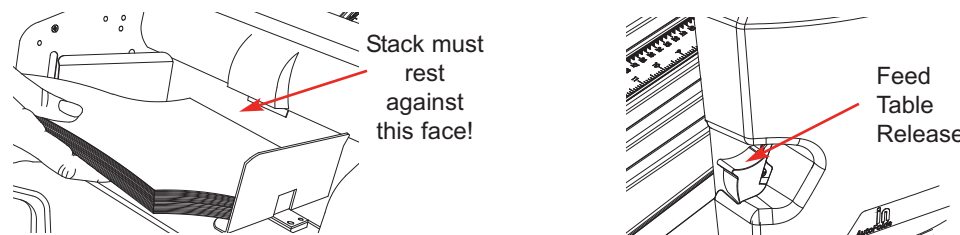
You will see the "Custom Fold Set" message anytime one of the Fold Tables is in the Home position, or if the folder does not recognize the Fold Table positions as a standard fold type, such as a custom fold.

#### Loading Paper

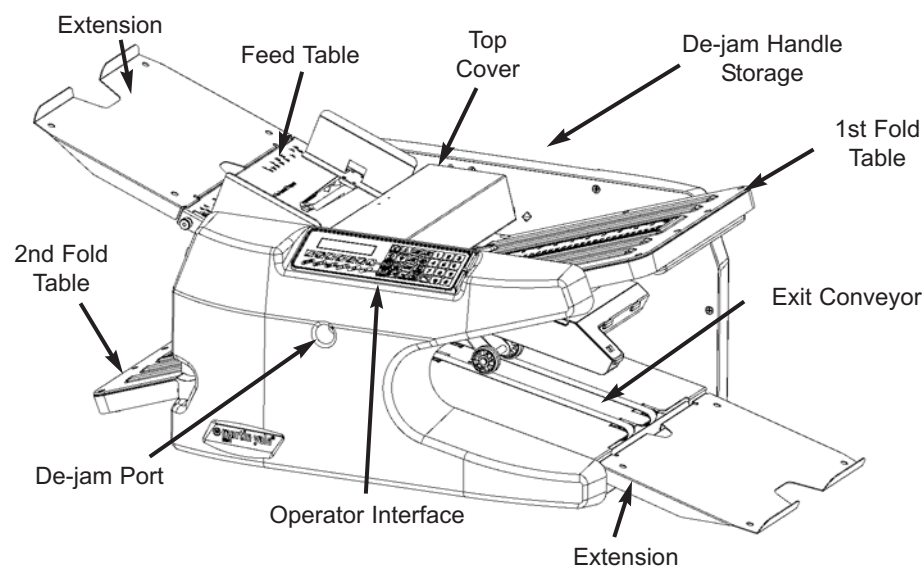
To load paper into the Feed Table, firmly push the Feed Table down, until it locks into the "load" position as shown.



Load the paper into the Feed Table, making sure that the paper is fully within the folder, and that the leading edge of the stack is resting against the face indicated below. Once the Feed Table is loaded with paper, the Feed Table must be unlocked, allowing the Feed Table to return to the raised position. To unlock the Feed Table, press the Feed Table Release (see illustration below).



### Parts



#### Setting a Paper Size



To change paper sizes, press the "SIZE SELECT" button located on the operator interface. You must specify the paper size that you intend to fold prior to running the folder.

#### Setting the Paper Guides

If your paper size is different than the factory set paper size, adjust the Paper Guides to the desired size. To adjust the paper guides, loosen the thumb knobs of the Paper Guides located under the Feed Table. Move the Paper Guides to the desired location, and then retighten the thumb knobs. **Do not over-tighten the thumb knobs!**

#### Setting a Fold Type



To change the fold type, press the "FOLD SELECT" button located on the folder keypad. Once you have selected a fold type, the folder will wait for 8 seconds for any additional settings that you may want to set, such as a quantity of folds to run.

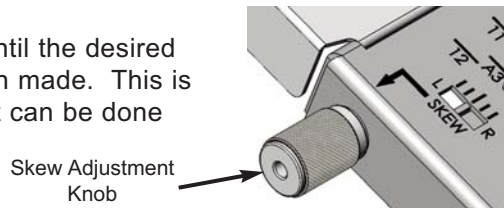
#### Running a Test Fold



Pressing the TEST button once will feed and fold two sheets of paper and then stop.

### Fold Skew Adjustment

Rotate the Skew Adjustment Knob until the desired amount of skew adjustment has been made. This is best done with the folder running but can be done while stopped.



### Ready to Fold

Pressing the RUN button will initiate folding. Folding will continue until one of the following conditions is met: 1.) the Stop button is pressed, 2.) the Feed Table becomes empty of paper, 3.) a folding error is encountered, or 4.) the programmed quantity reaches 0 (zero).

### Stopping the Folder

If the folder is running, pressing the STOP button once performs a normal shut down, allowing all paper to clear the machine prior to the main motor stopping. Pressing the STOP button twice in quick succession causes an immediate stop of the main motor. This is to be used for emergency stops only.

## ▶ Adjusting and Counting

### Incremental Adjustment Buttons

- This button will increase a number value by one count.
- This button will decrease a number value by one count.

### Fold Table Adjustment

To fine adjust one of the fold tables, press the corresponding fold table adjustment button, and then press either the increase or decrease button (Incremental Adjustment Buttons). After you have pressed one of the fold table buttons as you repeatedly press, or hold down one of the Incremental Adjust Buttons, you will see the indicators on the corresponding fold table move. The fold tables can be positioned to a specific location by entering the value through the number buttons.

### Stack Wheel Position

To adjust the position of the Stack Wheels, press the Stack Wheel button (shown on the left), and then press either the increase or decrease button. The correct position of the Stack Wheels is automatically calculated based on the length of the paper and the position of the fold tables. Manual adjustment is not normally required when performing a standard, pre-programmed fold.

### Folder Speed

To adjust the speed of your folder, press the Speed button and then press either the increase or decrease button (Incremental Adjustment Buttons). Folder speed can be adjusted while the folder is running. For most folding jobs, the folder can be run at full speed (100%). Typically, the only time that the folder is run less than 100% is when folding light weight paper (less than 20#) or if the paper has a glossy or silky smooth finish.

### Display Contrast

To adjust the display contrast of the LCD display, press the Display Contrast button (shown on the left), and then press either the increase or decrease button (Incremental Adjustment Buttons).

### Quantity and Batch Mode

The Quantity (#) is used to specify the total number of sheets to be folded, and to specify a Batch quantity.

### Quantity

To program a specific number of pages to be folded, press the Quantity (#) button. Using the numbers on the keypad, enter the quantity of sheets to fold, and press the enter key. Pressing the Enter key while in the Quantity screen will automatically place you into the Batch Mode screen.

### Batch Mode

The Batch Mode function automatically places a gap between batches. To enable Batch Mode, enter a Batch quantity value greater than 0 (zero). This quantity is the number of sheets to be folded. When this quantity of sheets has

been folded, the folder will suspend feeding until the Exit Conveyor has become clear of paper, then will resume folding. This fold/pause/fold sequence will continue until one of the following conditions is met: 1.) the Stop button is pressed, 2.) the Feed Table becomes empty of paper, 3.) a folding error is encountered, or 4.) the programmed quantity reaches 0 (zero).

To enter the Batch Mode, you must press the Quantity (#) button and press the Enter button from the Quantity screen. To specify a different Batch quantity, using the number buttons, enter a value between 0 (zero) and 250, and then press the Enter button to save this value.

## ▶ Custom Folding Jobs

### Custom Paper Lengths

To specify a custom paper length, press the Custom Paper Length button. Using the number buttons, enter a valid paper size value and press the Enter button to save this value. When the message displayed reads "Folder Ready", you may begin folding.

### Custom Fold Table Settings

At this time, the folder enters a "manual" mode where you must specify everything manually including Fold Table settings, the Stack Wheel location, and the Paper Length. You may use the pre-programmed paper sizes, if you wish. When the folder is in manual mode, the "Other" light for "SIZE SELECT" will be illuminated. To set a Fold Table using the number buttons enter the desired fold position, and then press the Enter button.

### Custom Stack Wheel Location

See Stack Wheel Position.

### Custom Fold Programs

The folder can store up to 10 different custom fold configurations. Custom programs store Fold Table locations, Paper Length, Quantity, and Batch Quantity. The location of the Stack Wheels is calculated automatically when the program is recalled. Folder speed is not stored as part of a program.



This button will "store" the current folder configuration into a memory location.



This button will "recall" a previously stored folder configuration.

Programs are maintained in memory even if the power is turned off or power is removed. Once a program is stored into a memory location, it can not be deleted. Programs can only be overwritten with another program.

### Storing a Program

To store a program, press the "Store" button, then press one of the number buttons (0-9) to specify a storage location.

### Recalling a Program

To recall a stored program, press the "Recall" button and then press a number button where a program is stored. If there is a stored program in the number pressed, the folder will immediately begin to configure itself per the stored program. All of the standard Fold Table and Stack Wheel messages will be displayed.

## ▶ Removing a paper jam

- 1 Remove both fold tables.
- 2 Open the top cover.
- 3 Depress the feed table to the load position.
- 4 Take the "T" handle from the storage compartment.
- 5 Insert the "T" handle into the de-jam port.
- 6 Rotate the "T" handle while pulling on the paper jam.



**! Warning: Don't use the machine, while you are working with the "T"-Handle!**

## Operator Interface

