

01-2016



# Perfmaster Sprint



# CONTENTS

CARE AND MAINTENANCE	1
SAFETY PROCEDURES	1
SPECIFICATIONS	1
COMPONENT IDENTIFICATION	2
MACHINE CONTROLS	3
MAIN POWER	3
SPEED CONTROL	3
EMERGENCY STOP	3
DELIVERY TRAY	4
INSTALLING THE DELIVERY TRAY	4
PAPER STOPS	4
INSTALLING THE PAPER STOPS	4
FEED TABLE	5
PARTS	5
FEED RAILS	6
ADJUSTING FEED RAILS	6
SQUARING THE FEED RAILS	6
PERFORATING & SCORING ASSEMBLIES	7
REPLACING WORN BLADES	7
PERFORATING & SCORING PARTS BREAKDOWN	8
TROUBLE SHOOTING	9

# SPECIFICATIONS

Net Weight:	70 lbs
Overall Dimensions:	41"L x 30"W x 19"H
Boxed Dimensions:	32"L x 35"W x 25"H
Min. Sheet Size:	3" x 5"
Max. Sheet Size:	18" x 20"

**Note:** This machine is capable of handling many types of applications above and beyond the standard specifications. It is possible to feed quite a variety of jobs, from 30" sheets to die cut stocks. However, the performance of the machine on these special applications is directly related to the experience of the operator.

## SAFETY PROCEDURES

### BEFORE USE

- Read Through the owner's manual. Follow Instructions CAREFULLY.

### DURING USE

- Keep fingers and hands away from score blades, perf blades, and rubber rollers.

### BE ALERT! BE CAREFUL!

## CARE AND MAINTENANCE

This is a precision machine. It is very important to keep it free of excessive dust, dirt and foreign matter. We recommend that you keep the machine covered when not in use.

### BEARINGS/BUSHINGS

The bearings are sealed roller bearings and are designed to be self lubricating, however dirt and dust can get into them causing clogging and dirt build up. It is recommended to oil them daily under heavy use or monthly under light use. The Bushings are Bronze and do require lubrication more frequently. Oil these once a week under heavy use.

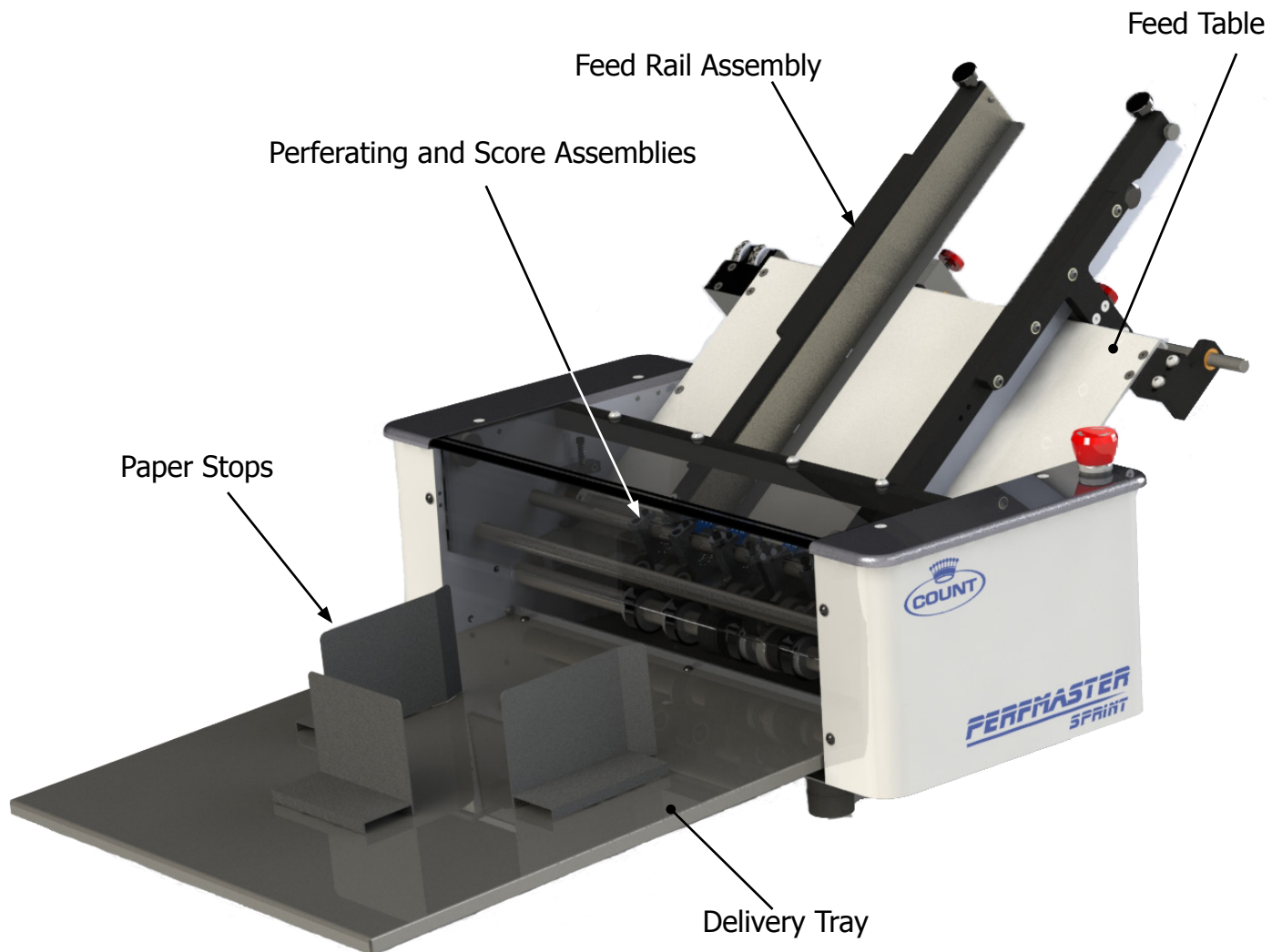
### RUBBER ROLLERS

These tend to harden when exposed, and in use, use "water to clean them before and after each use. This will increase the life and require less replacement. "Do not use Blanket Wash or Other Cleaners."

### REMOVABLE SCREWS

When these show signs of wear or stripping, replace as soon as possible. If these strip or hollow out they can be costly to remove. If you do keep your machine clean and in top condition, it will give you years of service.

# COMPONENT IDENTIFICATION



# MACHINE CONTROLS

There are three controls on this machine. The following section will explain the function of all three controls.

## MAIN POWER

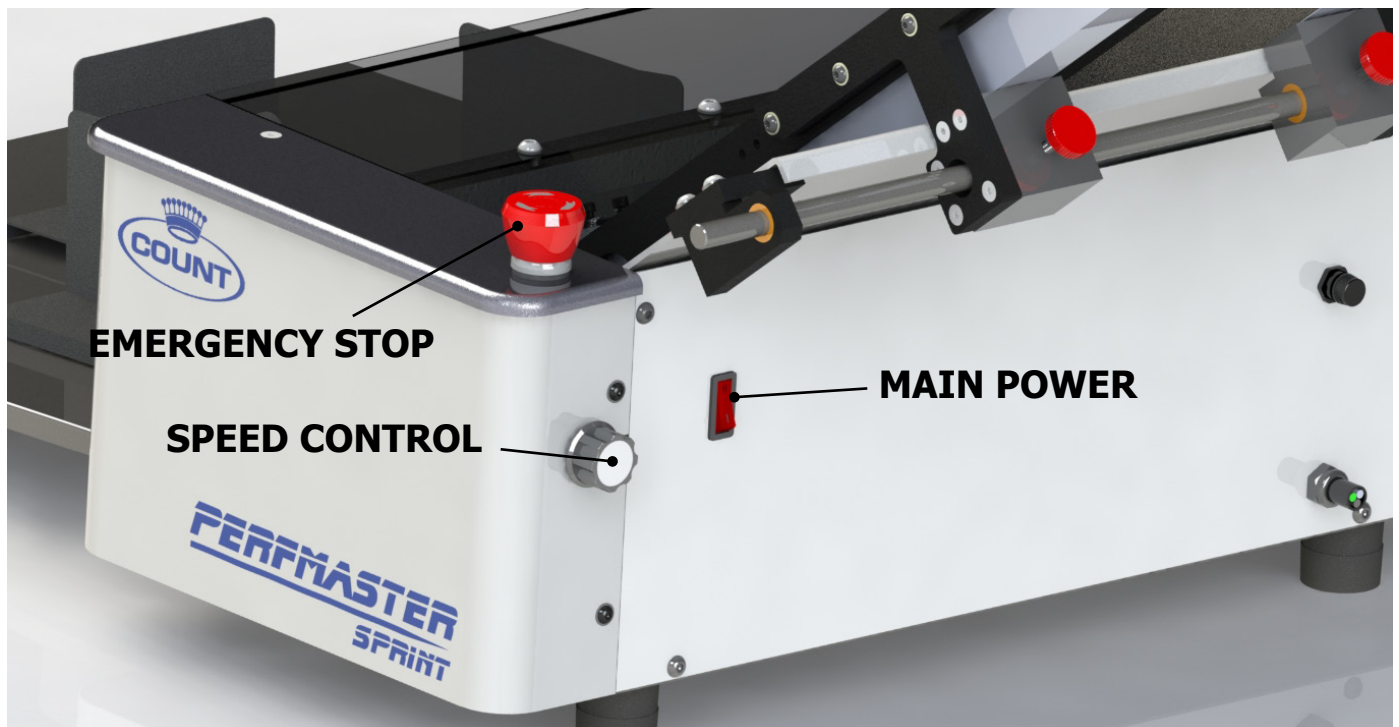
The main power switch is located on the back panel below the feed table and closest to the operator side. A 3A (slow blow) fuse is also located on the back panel opposite to the power switch.

## SPEED CONTROL

Speed control is done with a knob on the top of operator side cover. This is a variable speed machine. To start the motor turn the knob clockwise until you reach the desired speed. To stop the motor on the machine turn the speed pot counter clockwise.

## EMERGENCY STOP

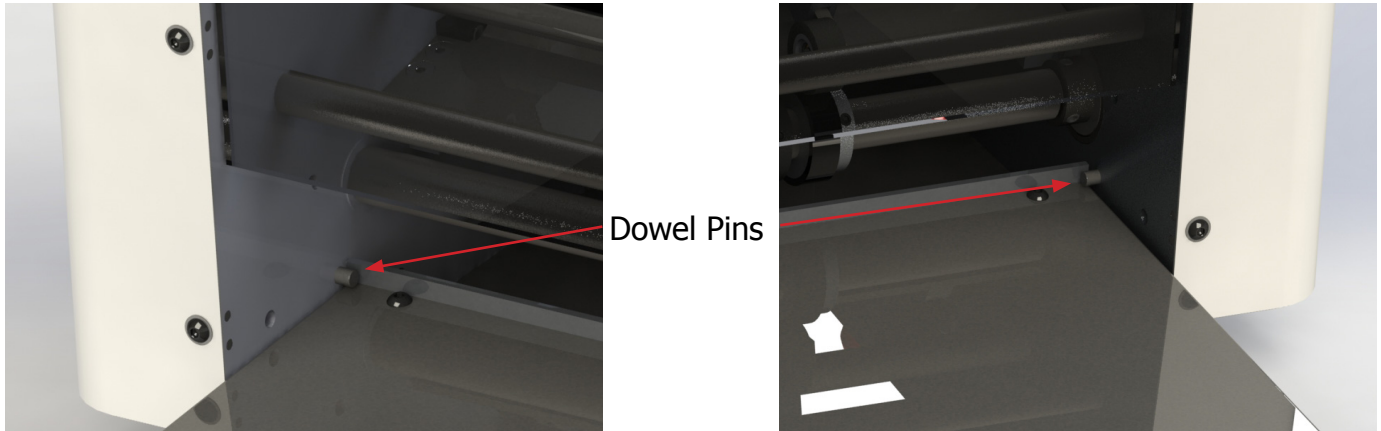
The emergency stop is intended to be activated in the case of an emergency to stop the machine. Press down firmly on the emergency stop to engage the feature. To reset the machine turn the knob in the direction indicated on the knob. It is recommended to test this feature at the beginning of each use. If the machine continues to run after pressing down on the switch; stop use of the machine, turn off main power, unplug the power cord from the wall outlet and contact technical support for help resolving the issue. **DO NOT OPERATE MACHINE IF EMERGENCY STOP IS NOT WORKING.**



# DELIVERY TRAY

## INSTALLING THE DELIVERY TRAY

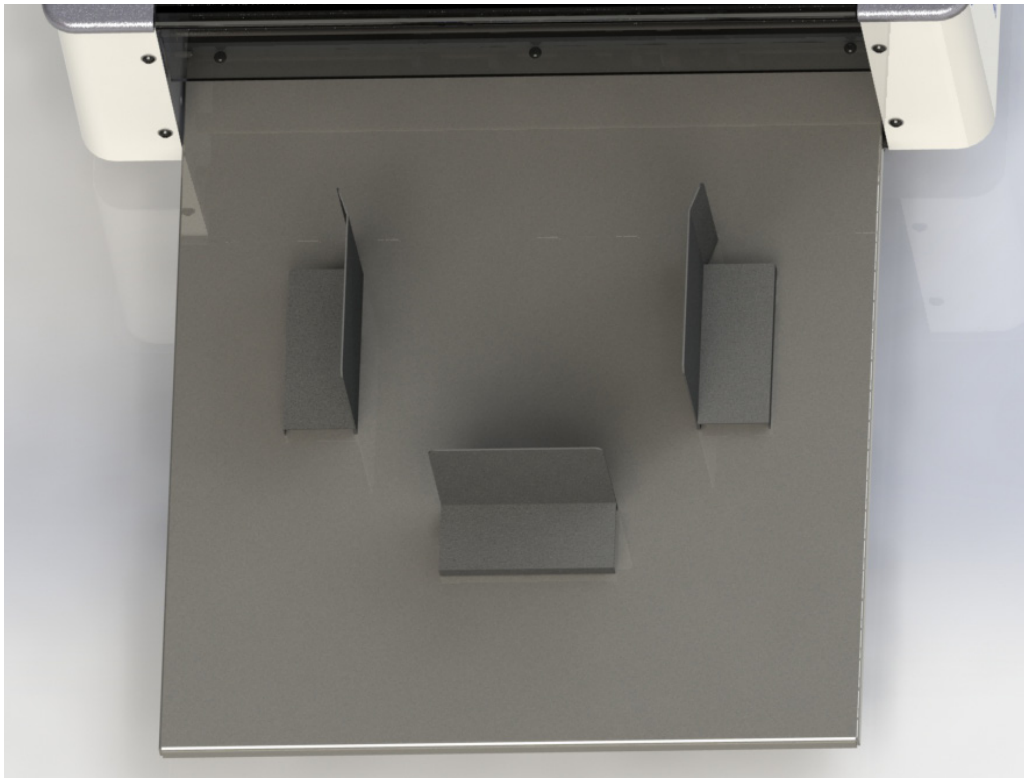
To install the delivery tray slide the tray under the dowel pins shown, with the angle facing upward.



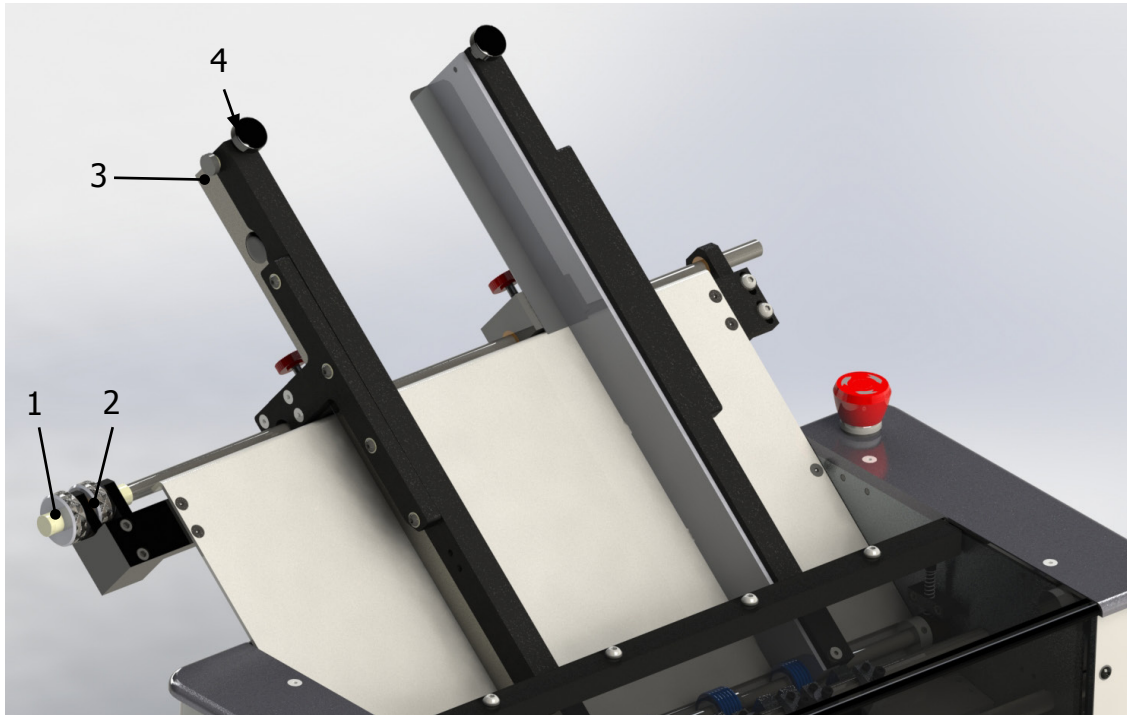
# PAPER STOPS

## INSTALLING THE PAPER STOPS

There are 3 different paper stops. 2 will have bends and 1 will be straight. The straight paper stop is the rear or back paper stop. The other 2 are the right and left paper stops and should be positioned as shown below. They hold there position using a magnet which makes it easy for adjustment. The positions for the paper stops will change for each individual job. If the paper stops are set too close, the paper will hit them as it exits the machine and will cause a paper jam. If they are set too loose the paper will stack in an unorganized manner. Getting the position correct is imperative to smooth operation of the machine.



# FEED TABLE



## PARTS

Item Number	Part Number	Description
1.	W-OF0645	Nut –Adjustment Feed
2.	W-OF0645	Micro-Lateral Adjustment Lock
3.	WRASAPP0005	Micro Skew Adj Knob
4.	M-S0H0825	Feed Rail Lock Down

# FEED RAILS

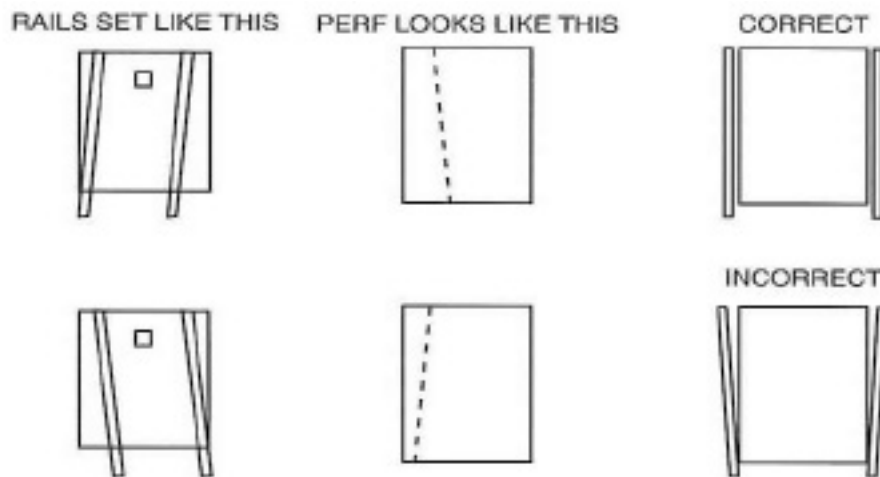
## ADJUSTING FEED RAILS

The feed rails on this machine are designed to adjust easily in case of a problem with crooked feeding. By loosening the feed rail alignment lock knobs you can move each rail independently to square them to your stock. To maintain an accurate perf or score, it is important to get the rails as aligned and snug to the sheet as possible without "squeezing" the sheet, as this will create drag and cause the sheets to hang up in the rails.

To adjust this correctly, use one rail as your reference, the left (operator side). Place your stock squarely against it then bring your right rail in and tighten, looking down it from the rear. Adjust the rail with the skew adjustment knob so it is squared to the sheet. Then tighten the lock knob. Set a sheet in the feeder, under the feed wheels, then run the machine. Check perf by folding over and aligning the perfed edge.

Perf holes should line up within a blade's width. If they do not line up, adjust rails accordingly, moving your left rail first and then adjusting the right rail to square the sheet. This may take a few attempts, but this adjustment is important to produce quality perf and score jobs

## FEED RAIL EXAMPLE



## SQUARING THE FEED RAILS

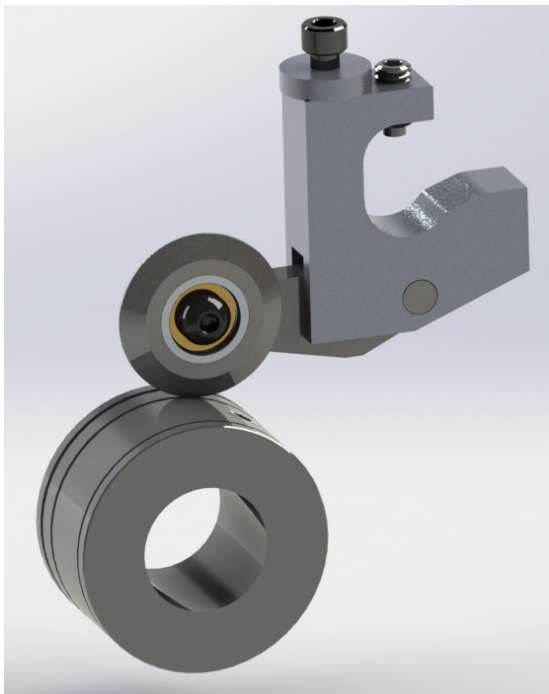
The constant fine tuning of the rails will make it necessary to bring the rails back to true "square". To do this, take a sheet of 8 1/2 x 11" cover stock and place it in the feed table against the operator side guide. Pressing the sheet against the rail, slide the rail over so that the front edge of the stock lines up to the front edge of the feed table. Loosen the feed rail adjustment lock knob, and use the skew adjustment knob to adjust the rail so that the sheet is aligned with the left to right with the edge. Once this is done, slide the opposite side guide into position and adjust it to the edge of the sheet. Your rails should now feed the sheet perfectly aligned, providing a straight perf or score.



# PERFORATING & SCORING ASSEMBLIES

## REPLACING WORN BLADES

1. Loosen the socket head cap screw to remove pressure from the pressure adjust mounting bracket.
2. Loosen the set screw and remove the pressure adjust mounting bracket. Remove the button head cap screw that is retaining the score or perf blade.
3. Remove worn blade and replace with new blade. Attach new blade with existing button head cap screw and washer.
4. Reinstall pressure adjust mounting bracket on machine.
5. Position upper and lower score/perf assemblies as desired, making sure to align the upper and lower assembly.
6. Once the assemblies are aligned, tighten the set screw.
7. Reapply pressure to blade by tightening the socket head cap screw.

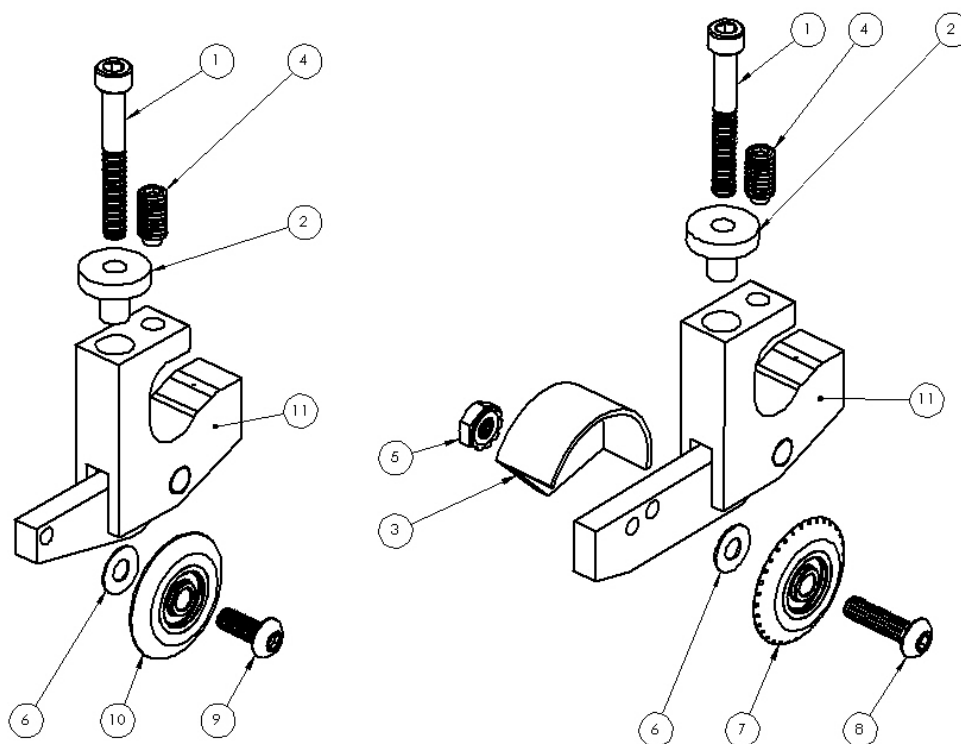


WRASAPP0129



WRASAPP0139

## PERFORATING & SCORING PARTS BREAKDOWN



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	M-S003048	10-32 1-1/2 SOCKET SCREW	2
2	W-OF2652	LOCKNUT PRESSURE BRACKET	2
3	W-OF2040	CNC PERF GUARD	2
4	M-S0H0278	SCREW, 1/4-20X1/2" SOCKET SET HALF DOG	2
5	M-S007008	HEXNUT 10-32 LOCK-KEPNUT	2
6	M-S0H0456	WASHER, FLAT .200 X .438 X .031	2
7	W-ASAPP0143	PERF BLADE ASSY	2
8	M-S003120	10-32 X 3/4 BHCS	2
9	M-S0H0215	SCREW 10-32X1/2 BHSC	2
10	W-ASAPP0131	SCORE BLADE ASSY	2
11		PRESSURE ADJUST MOUNTING BRACKET	2

# TROUBLE SHOOTING

- **POWER DOES NOT TURN ON**

1. Check fuse on side cover.
2. Check outlet for power.

- **FEED TABLE NOT FEEDING CORRECTLY**

1. Check Caliper Adjustment.
2. Feed wheels do not have equal pressure on them, check adjustment.

- **SHEETS NOT FEEDING STRAIGHT**

1. Unequal feed wheel pressure.
2. Align feed rails "check for squareness". This can be checked by the lead edge of the paper feeding into the machine should line up with the front edge of the feed plate.
3. Not enough pressure on forwarding rollers.
4. Clean ALL rubber rollers.

- **PERF IS NOT STRAIGHT**

1. Check for equal pressure on all grip wheels and that none are hanging up.
2. Recheck all steps under (SHEET NOT FEEDING STRAIGHT)

- **PERFORATION IS NOT CLEAN OR CUTS SHEETS**

1. Not enough pressure on perf wheel.
2. Perf blade is worn.



251 Wedcor Avenue, Wabash, Indiana 46992  
Website: [www.countmachinery.com](http://www.countmachinery.com) Email: [Info@martinyale.com](mailto:Info@martinyale.com)