

Morgana AutoFold Pro Automatic Paper Folder with Conveyor

Instruction Manual



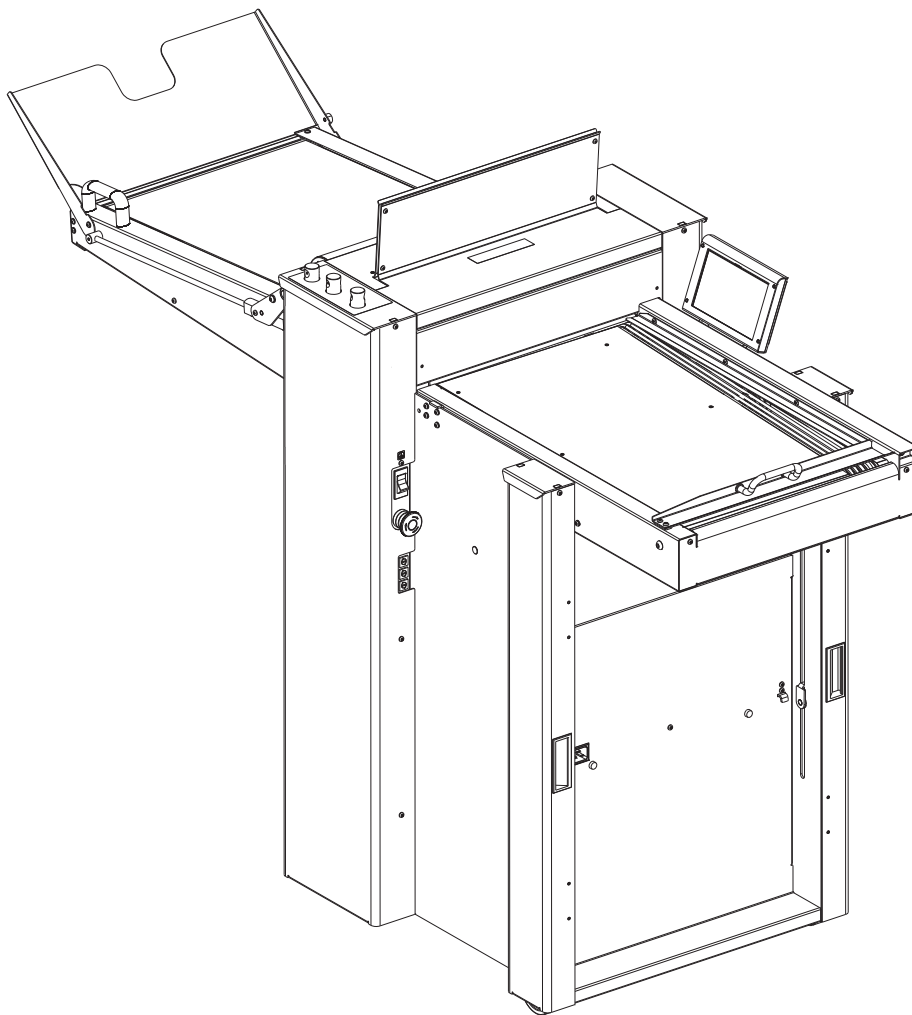
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AutoFold Pro



DOCUMENT FOLDING MACHINE *OPERATORS MANUAL*

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morgana**AutoFold Pro****INTRODUCTION AND SPECIFICATION**

The **AutoFold Pro** is a self powered, stand alone folding machine with an innovative new vacuum controlled sheet alignment system which has been designed to take pre-creased stock from a wide range of both Morgana and 3rd party creasing machines.

The AutoFold Pro features the unique Flying Knife Folding System used successfully in the much acclaimed Digifold which allows folding of most stocks from 0.1mm, reducing the possibility of scratching, marking or cracking of the substrate as is often associated with conventional folding systems.

A maximum paper thickness cannot be specified, as this is governed by the hardness of the substrate and the type of fold required; but in most cases stocks up to 0.35mm should present no problems providing they are properly pre-creased.

It is **IMPORTANT** to note that to prevent cracking, when using dry ink or toner based print engines, the material **must** be fully acclimatised for at least 48 hours before putting an image onto the paper.

IMPORTANT the operating environment should be controlled to a temperature between 16° C and 27° C Maximum.

Specification

Feeding System	Conveyor Vacuum Sheet Alignment
Input Bed Height	Adjustable from 850mm to 1000mm
Max. Sheet Size	600mm x 385mm (24" x 15")
Min. Sheet Size	210mm x 140mm (8.3" x 5.5") (dependant on stiffness of paper and type of fold).
Max. Paper Thickness	0.40mm (varies according to hardness, type of fold, and substrate).
Min. Paper Thickness	0.11mm (varies according to hardness, type of fold, and substrate).
Max. No. Folds per Sheet.....	2
Max. No. Stored Programmes	Unlimited
Min. Repeat Fold Distance	70mm (2.75") (depending on paper weight)
Min. Fold Distance from Leading Edge	50mm (1.96") (depending on paper weight)
Min. Fold Distance from Tail Edge	50mm (1.96") (depending on paper weight)
Min. Fold Length	70mm (2.75")
Speed per Hour (A4 in half).....	6240 sheets (on speed 3, Pulsed)

Note: The production speed varies according to the material size and the fold type.

Dimensions	L: 1700mm H: 1220mm W: 680mm
	L: (66.9") H: (48") W: (26.8")
Weight	128Kgs (+50Kgs packing)
Power Requirement	1 phase 220 / 240v

*As part of our continued product improvement plan, specifications and information published in this manual are subject to change without notice.

All specifications are dependant on application, type of stock, temperature, RH and print engine used.

Specifications quoted were measured on uncoated and unprinted stock.

E & OE.

Safety Do's & Don'ts

REGLES DE SECURITE : « A FAIRE » ET « A NE PAS FAIRE »

Do - read this operator manual fully before operating the machine.

Lire ce mode d'emploi avant d'utiliser la machine.

Do - operate with the designated AC current only. Use an exclusive outlet, as overloading may cause fire or an electric shock.

Respecter l'alimentation électrique indiquée. Brancher sur une prise séparée car une surcharge peut entraîner un incendie ou un choc électrique.

Do - install the power cord out of the way to avoid a tripping hazard.

Installer le cordon d'alimentation de manière à ne pas pouvoir trébucher par dessus.

Do - make sure that the mains inlet connector is always easily accessible.

Ménager un accès libre à la prise de courant.

Do not - install the machine in an unstable place such that it tilts or shakes.

Ne pas installer la machine sur une surface non plane, afin d'éviter qu'elle ne penche ou ne vibre.

Do not - unplug the plug or unplug the power cord from the outlet with a wet hand, this can cause an electric shock.

Ne pas installer la machine sur une surface non plane, afin d'éviter qu'elle ne penche ou ne vibre.

Do not - unscrew and remove any covers from the machine, as it can cause an electric shock or injury.

Ne démonter et enlever aucun carter de la machine, par crainte de décharge électrique ou de blessure.

Do not - place receptacles containing liquids on any surface.

Ne pas placer de récipient contenant un liquide sur la machine.

Do not - adjust any part of the machine whilst rollers are running

N'effectuer aucun réglage pendant que les rouleaux fonctionnent.

Do not - operate the machine with loose or trailing clothing or loose hair.

Ne pas porter de vêtements flottants et rassembler les cheveux longs lors de l'utilisation de la machine.

Do not - under any circumstances adjust the paper gate when the machine is switched on.

En aucune circonstance, régler le séparateur de papier lorsque la machine est branchée.

Warning Labels



Do - be aware of any finger traps and rotating parts when operating the machine.

Attention au risque de se coincer les doigts, et aux pièces en mouvement lors du fonctionnement de la machine.

Do - read this operator manual fully before operating the machine.
Lire ce mode d'emploi avant d'utiliser la machine.

Do not - operate the machine with loose or trailing clothing.
Ne pas porter de vêtements flottants lors de l'utilisation de la machine

Do not - operate the machine with loose hair.
Rassembler les cheveux longs lors de l'utilisation de la machine.



Do - be aware of any finger traps and rotating parts when operating the machine.

Attention au risque de se coincer les doigts, et aux pièces en mouvement lors du fonctionnement de la machine.

Do - be aware of sharp points and blades.
Attention aux éléments tranchants et aux couteaux.

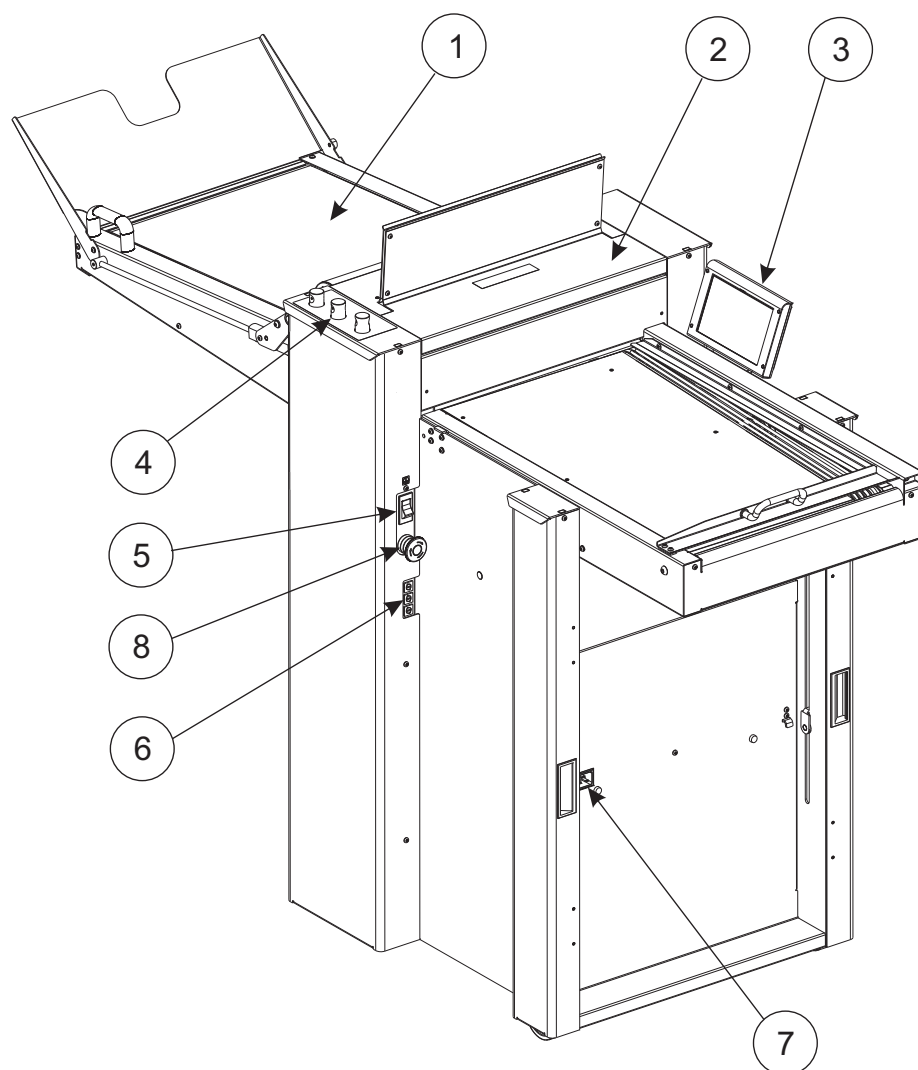
Do - be aware of rotating rollers.
Attention aux rouleaux en fonctionnement

Do - be aware of low current anti-static shock.
Attention aux faibles chocs d'électricité statique

morgana **AutoFold Pro** **DOCUMENT FOLDING MACHINE**

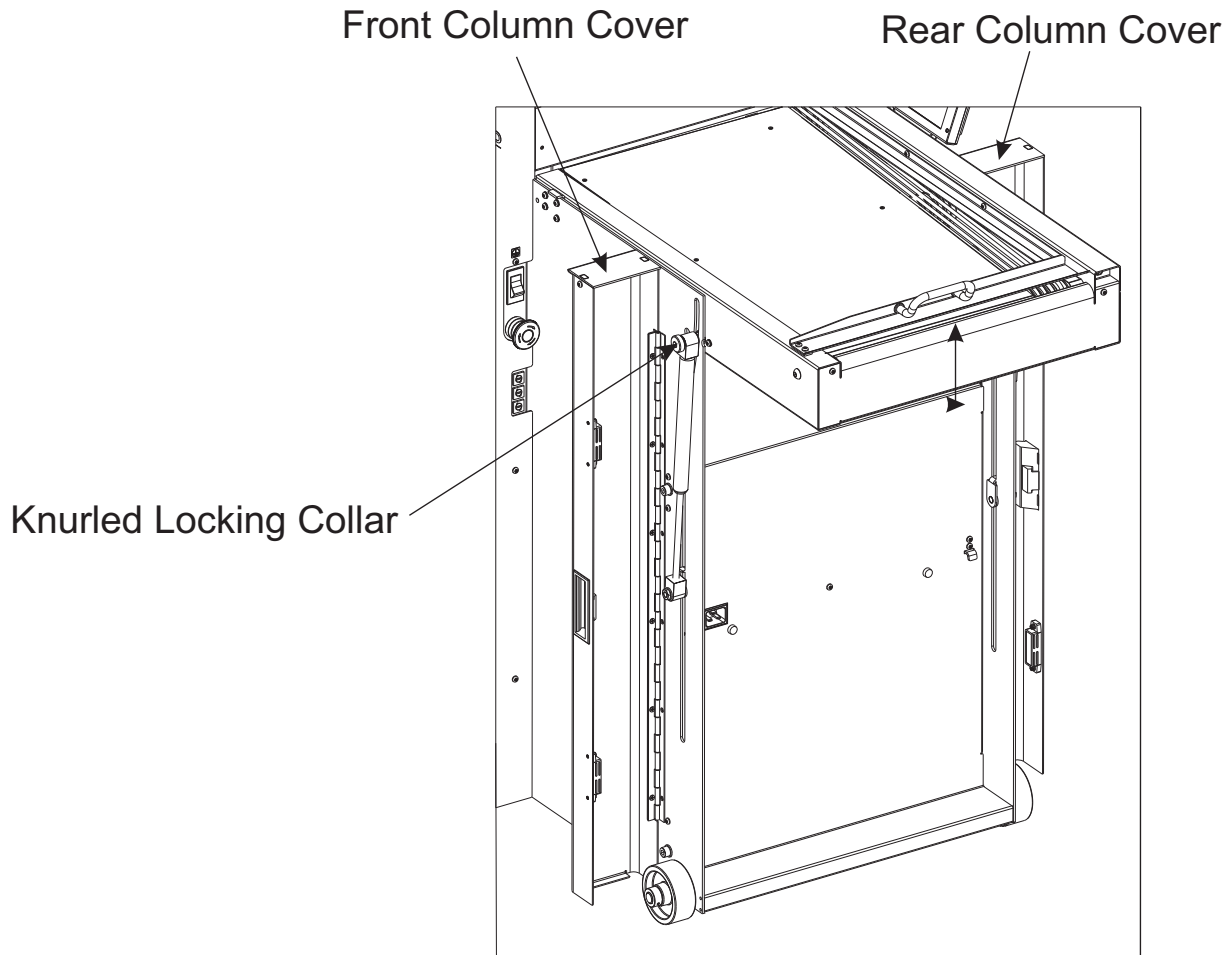
Key to photograph below

- | | | | | | |
|---|--------------------|---|-----------------------|---|-------------|
| 1 | Delivery assembly | 2 | Top Cover | 3 | Touchscreen |
| 4 | Gap Set Knobs | 5 | System Switch | 6 | Fuses |
| 7 | Mains Input Socket | 8 | Emergency Stop Switch | | |



ADJUSTING THE TILT OF THE FEED BED

1. The Feed Bed can be tilted, so that it matches the height of the creasing unit that is being used with it.
 - (i) Open the front and rear column covers.
 - (ii) Loosen the knurled locking collars at the top of the front and rear gas springs.
 - (iii) Adjust the tilt of the Feed Bed, (up or down) to match the height of the creasing unit, then re-tighten both of the knurled locking collars.



FITTING THE TRANSFER BED ASSEMBLY TO THE AUTOCREASER AND ALIGNING THE MACHINES.

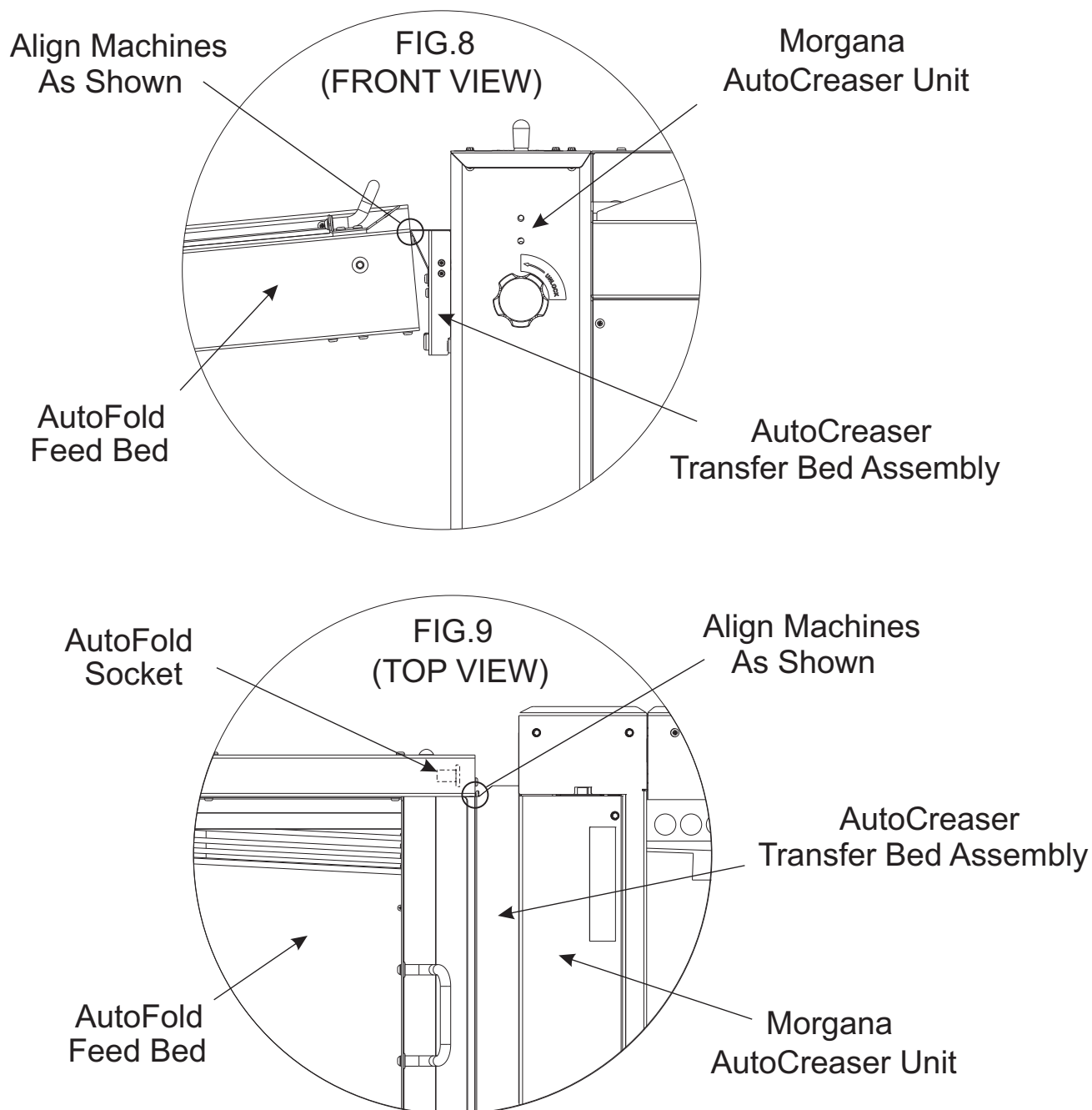
1. The AutoFold is supplied, as standard, with a Transfer Bed Assembly that fits onto the AutoCreaser 33 and AutoCreaser Pro 33 machines. A Transfer Bed Assembly that will fit the wider AutoCreaser 50 and AutoCreaser Pro 50 machines can be purchased as an optional extra (see accessories and options on page 37).
 - (i) Remove the stacker unit from the AutoCreaser and fit the Transfer Bed Assembly as shown in FIG.8
 - (ii) Tilt the feed bed of the AutoFold, as described above, to align with the Transfer Bed Assembly as shown in FIG.8

AutoFold Pro Operating the AutoFold Pro

- (iii) Adjust the relative positions of the machines so that the Transfer Bed Assembly aligns with the Autofold Feed Bed as shown in FIG.9
- (iv) Plug the connector, on the flying lead of the Transfer Bed Assembly, into the AutoFold Socket as shown in FIG.9. This electrical connection between the AutoFold and the AutoCreaser is a safety feature. If the system switch on the AutoFold is switched off or a jam occurs on the AutoFold the AutoCreaser will stop feeding.

NOTE.

When using the AutoFold with an AutoCreaser Pro 33 or an AutoCreaser Pro 50, it is recommended that the AutoCreaser is set to Pulse Feed and the speed is set to number 2. Depending on the type of crease and length of the paper, the speed setting may need to be changed to speed number 1 or number 3.



TOUCHSCREEN OPERATION

1. Turn the Emergency Stop button clockwise to switch the power on. After the system start up procedure the touch screen will be displayed as shown below.



IMPORTANT.

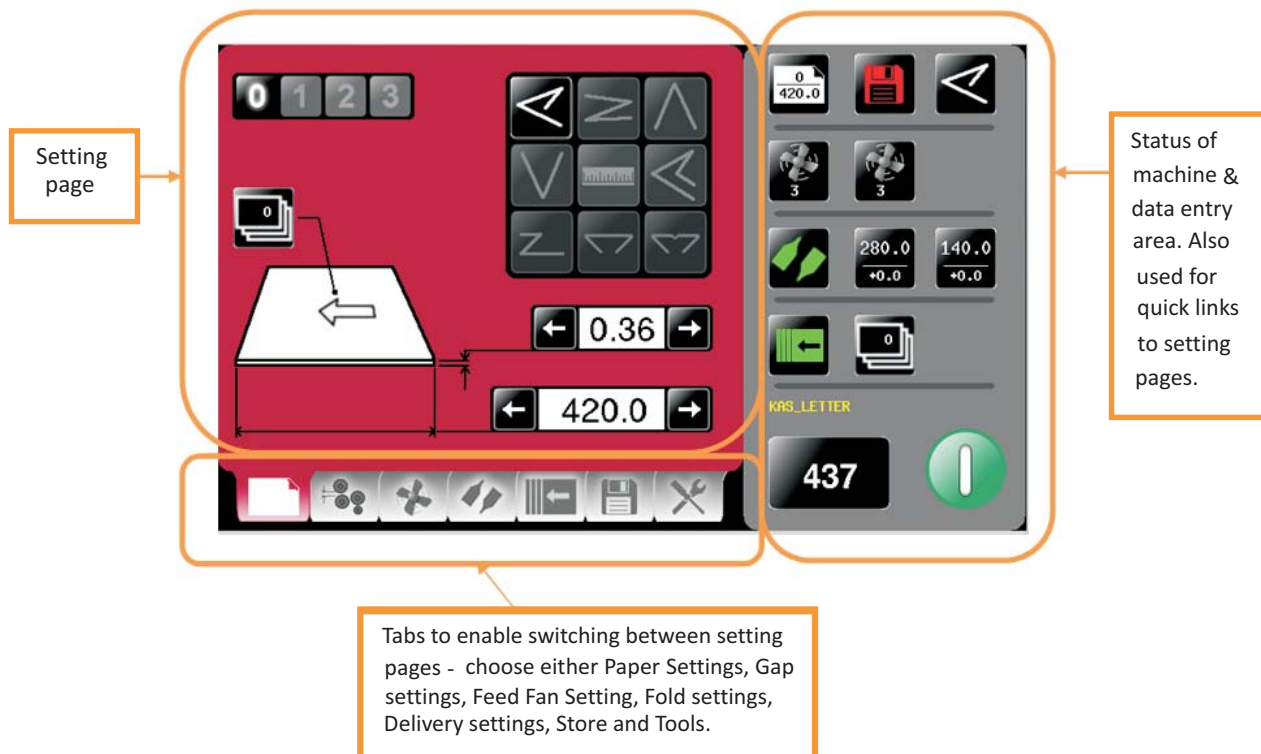
If you have not been trained to operate this machine, we strongly advise that you select the red cross icon.

We recommend that you either seek training or ask a trained operator to run the machine for you.

Select the green tick icon only if you have been trained to operate this machine.

If you have not been trained to operate this machine and you select the green tick icon, Morgana Systems Ltd accept no responsibility for personal injury, damage to the machine or damage to materials being processed by the machine.

The touch screen is laid out into 3 main areas as shown below:



AutoFold Pro Operating the AutoFold Pro

Setting Pages.

Paper settings Page

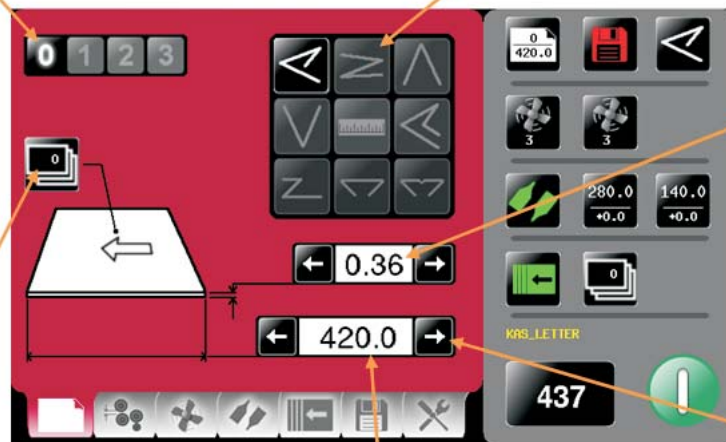
Paper Type - As a guide choose as follows:

- 0 - approx 0.1 thk
- 1 - approx 0.2 thk
- 2 - approx 0.3 thk
- 3 - approx 0.3+ thk

Fold Selection - For quick setting of fold positions on standard size sheets

Highlighted fold is type currently selected, other folds may be selected
Currently selected fold is shown in the status area.

Batch Button - Image is identical to that shown in the status area. On selection the status area is replaced with a calculator for inputting new values. Batch sizes of 1 to 998 may be set.

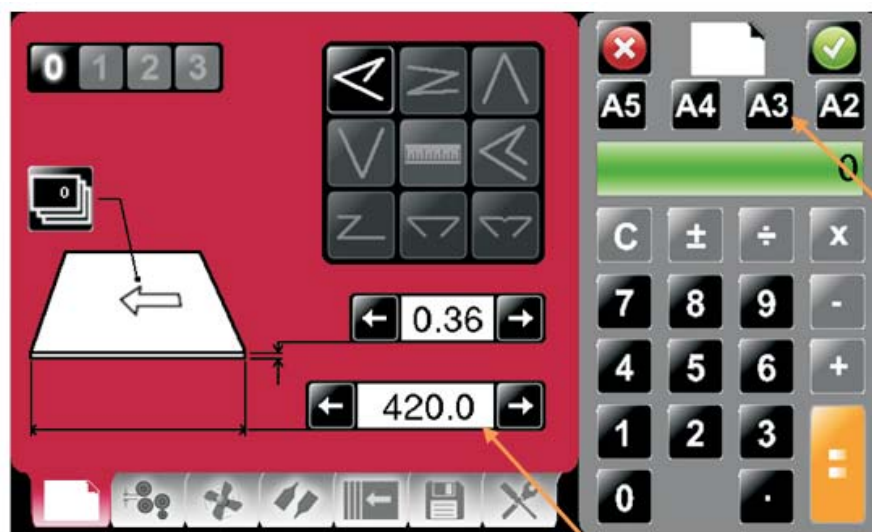


Page Thickness - On selection of status area is replaced with a calculator for inputting new values
Range = 0.1 to 0.4mm
Increments of 0.01mm

Arrows may be selected to increase or decrease the page size in 0.1mm increments

Paper Length - On selection the status area is replaced with a calculator for inputting new values. Length range = 190mm - 900mm

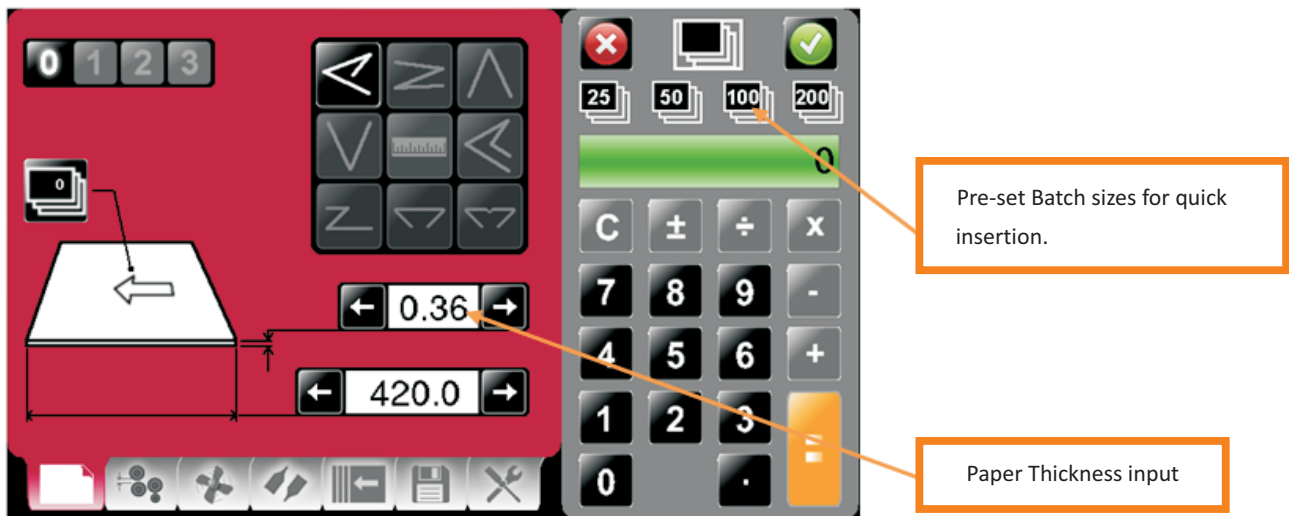
Paper size Selection.



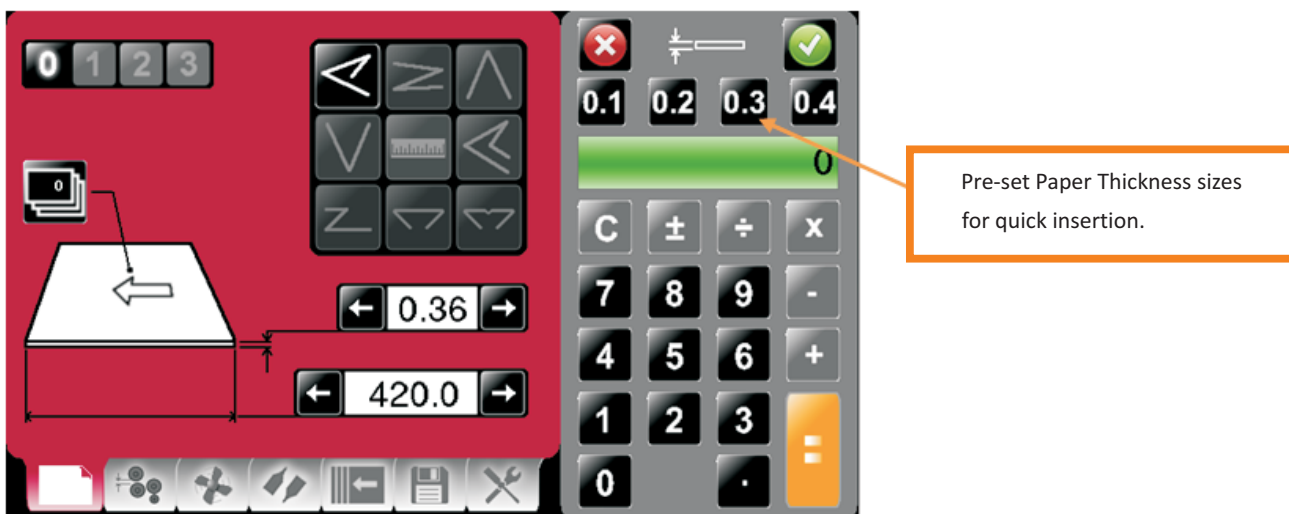
Pre-set Paper sizes for quick insertion - Standard sizes for country origin would be shown.

Paper input


Batch size Selection.

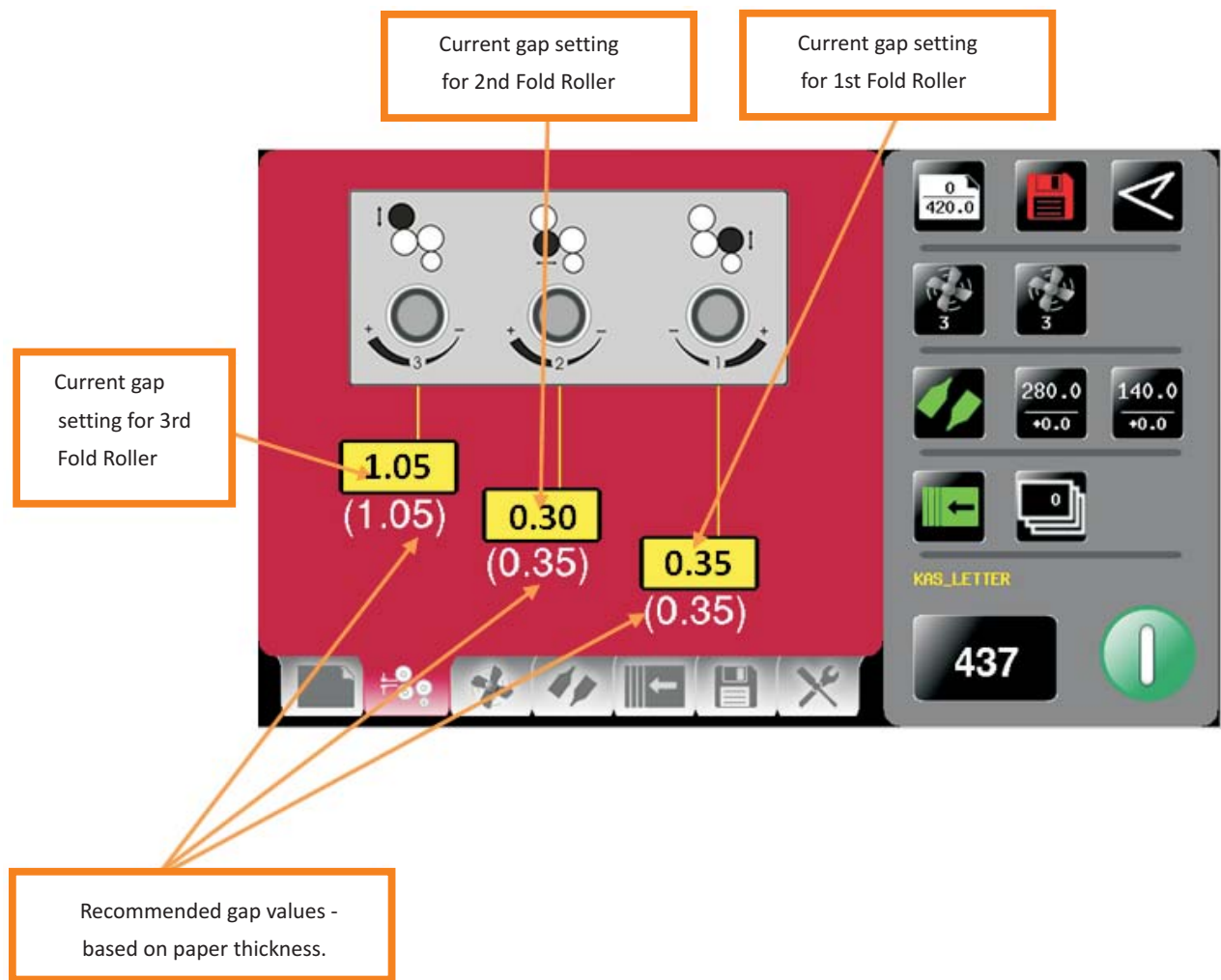


Paper Thickness Selection.



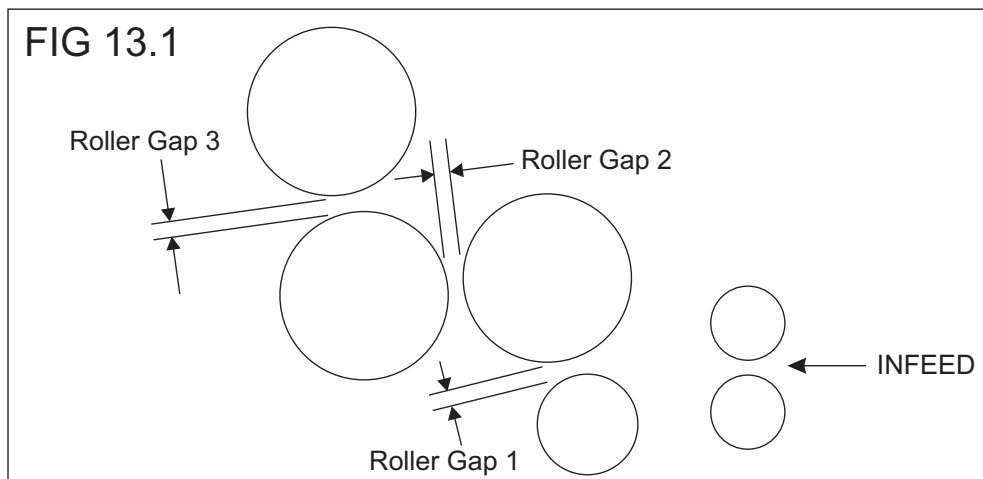
Roller Gap Set Page.

To get to the roller gap setting page click the lower tab 
Roller gaps may be in the range of 0.05mm to 1.5mm, with increments of 0.05mm



Setting the Roller Gaps (Gap 1, Gap 2 & Gap 3)

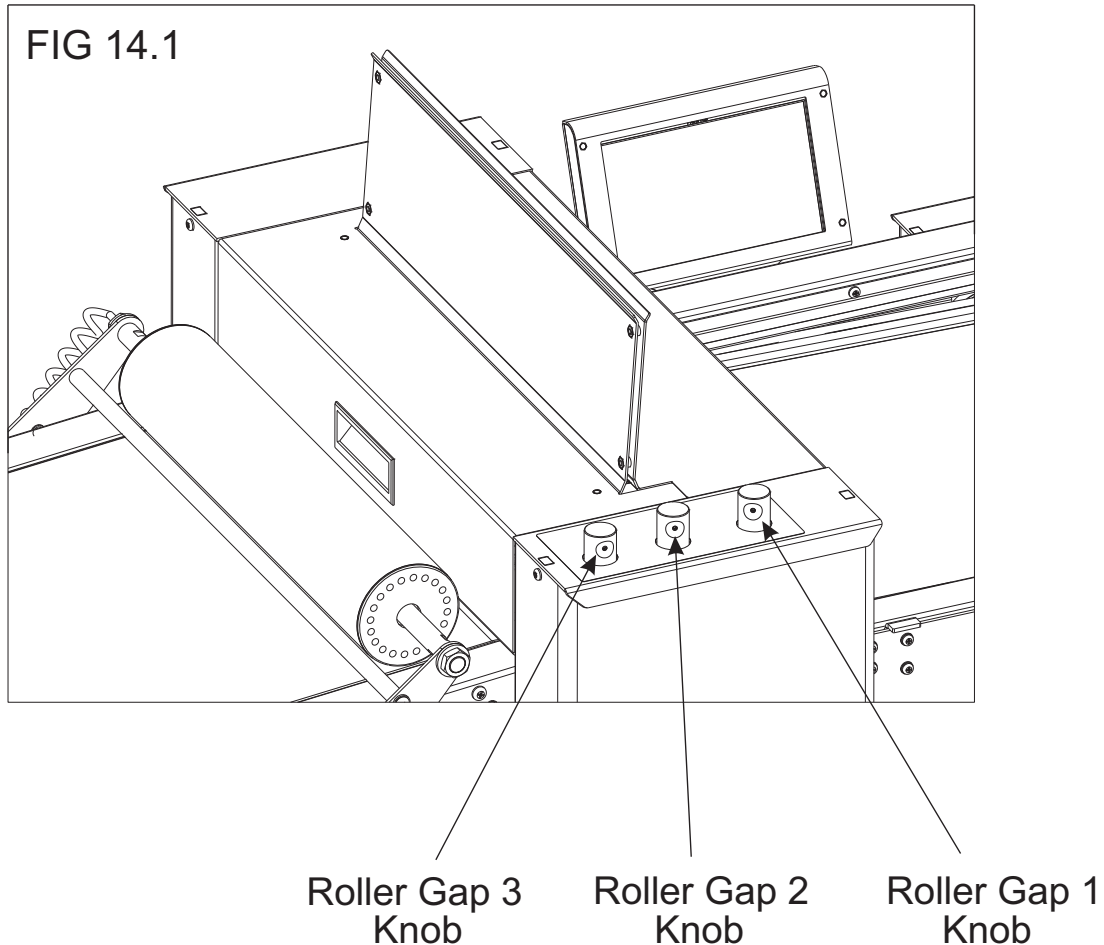
The roller gaps can be adjusted to suit the thickness of the material being folded; and the type of fold being produced. The roller gaps may also require adjustment if cracking of the print is noticeable. (see Fig 13.1 below).



The gap settings (Gap 1, Gap 2 & Gap 3) can be adjusted by rotating the Roller Gap Set Knobs (see FIG 14.1 below).

IMPORTANT.

When setting roller gaps, you **must** first adjust the gap to a value greater than that required and then decrease the value to the required setting. (Do not set the gap, from a value lower than that required).



PROCEDURE.

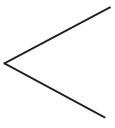
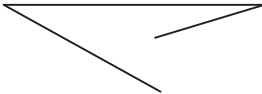
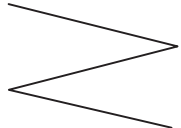
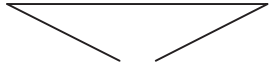
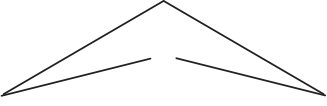
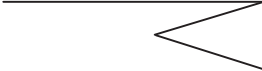
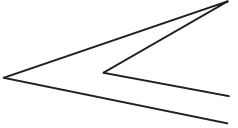
- (i) Measure the thickness of the sheet using a Digital Vernier Calliper.
- (ii) Set roller GAP 1 to the vernier reading.
- (iii) Set roller GAP 2 and roller GAP 3, (for the type of fold being produced), using the GAP SET GUIDE table shown on next page.

Half Fold on Knife 1 →
Half Fold on Knife 2 →



GAP SET GUIDE			
FOLD TYPE	GAP 3	GAP 2	GAP 1
Half K1	2X	2X	X
Half K2	2X	X	X
Letter	3X	X	X
Concertina	3X	X	X
Gate	3X	X	X
Closed Gate	3X	X	X
Engineering	3X	X	X
Double	4X	2X	X

Example 1:- When producing a **Half K1** fold, if GAP 1 is 0.2 (X) then set GAP 2 to 0.4 (2 x X) and set GAP 3 to 0.4 (2 x X).

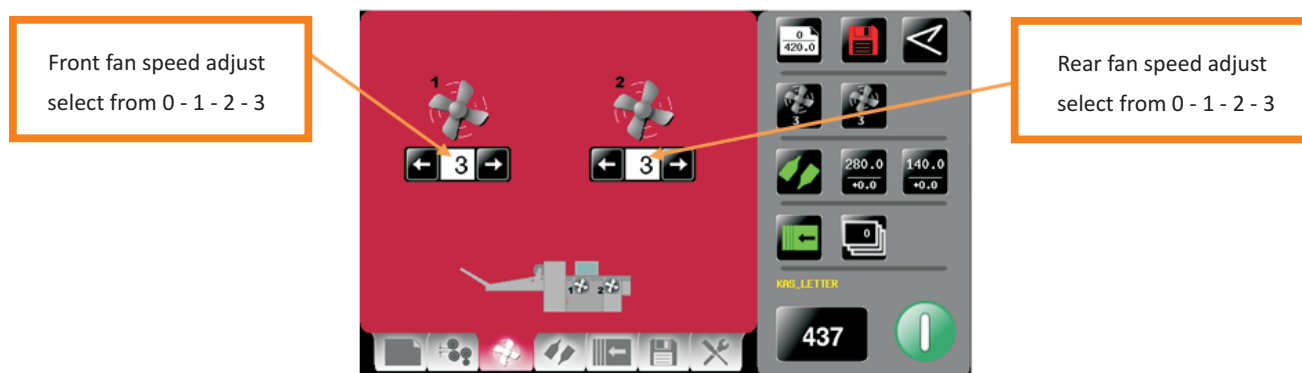
Example 2:- When producing a **Gate** fold, if GAP 1 is 0.3 (X) then set GAP 2 to 0.3 (X) and set GAP 3 to 0.9 (3 x X).

	FOLD TYPES	
 HALF	 LETTER	 CONCERTINA
 GATE	 CLOSED GATE	 ENGINEERING
 DOUBLE		

Feed Bed Fan Settings Pages.

To get to the feed bed fan setting page click the lower tab  or  from the status area.

You can adjust the speed independently for the front and rear fans. On the optionally available long feed bed, a centre fan is also shown for adjustment.



AutoFold Pro Operating the AutoFold Pro

Fold Settings Pages.

To get to the Fold setting page click the lower tab





or



from the

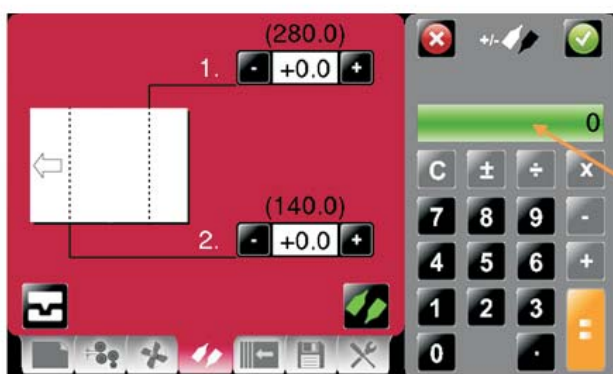
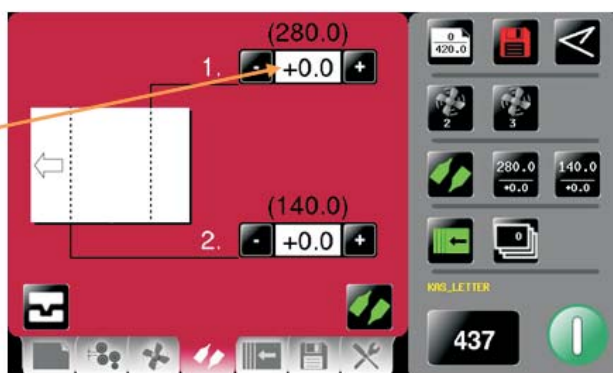
If you have selected a predefined standard Fold Type from the paper settings page the crease positions will be set for you. These positions can be fine tuned by $\pm 0.1\text{mm}$

increments by pressing the arrow buttons   for each crease.

Folds in 'Set By Fold' mode.

K1 Fold micro adjust - On selection the status area is replaced with a calculator for inputting new values.

Micro adjust range is -5.0 to +5.0 with increments of 0.1mm

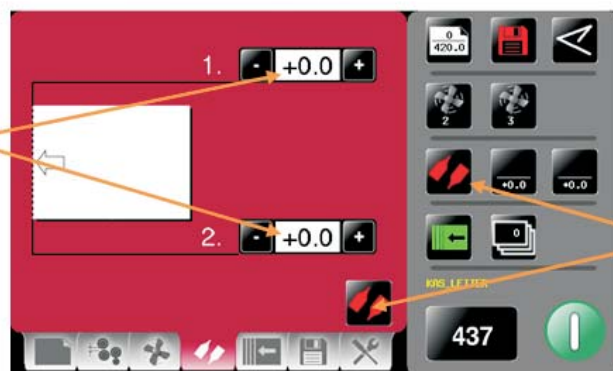


Folding can be Micro adjusted for fine adjustment.

Micro adjust range is -5.0 to +5.0 with increments of 0.1mm

With Folding turned off the deflect positioned can be micro adjusted.

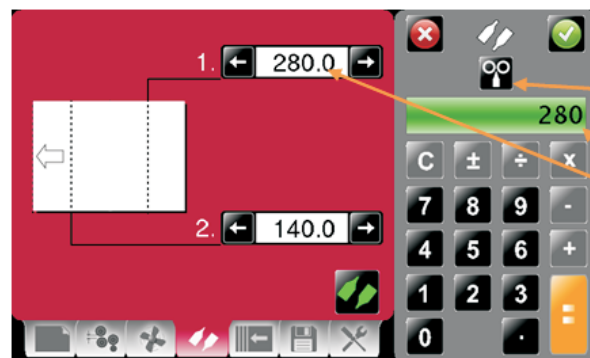
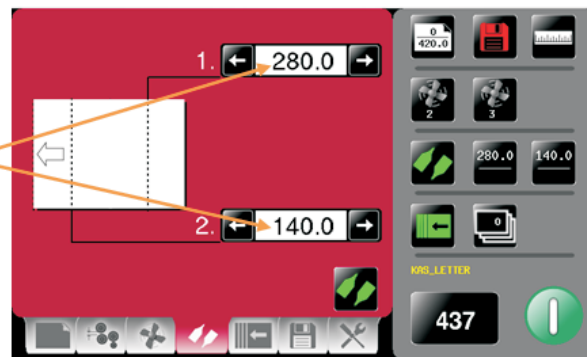
Micro adjust range is -5.0 to +5.0 with increments of 0.1mm



Folding on/off selector green is on & red is off. This is also indicated in the status area.

Folds in 'Set By Position' mode.

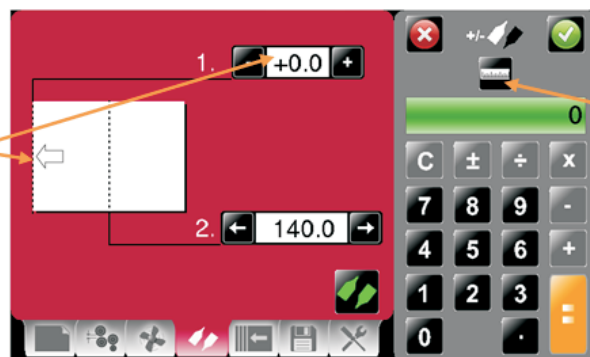
Fold distance from lead edge for knives (K1 & K2) increments of 0.1mm



K1 deflect button

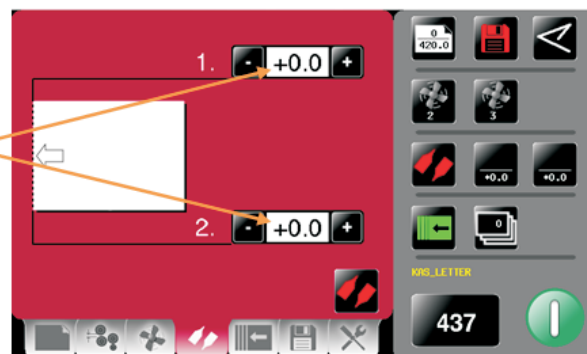
K1 micro adjust selected

K1 in deflect position.
This can be micro adjusted.
Micro adjust range is -5.0 to +5.0 with increments of 0.1mm



Clicking this icon switches deflect off & K1 returns to its original position.

K1 & K2 in deflect position.
This can be micro adjusted.
Micro adjust range is -5.0 to +5.0 with increments of 0.1mm



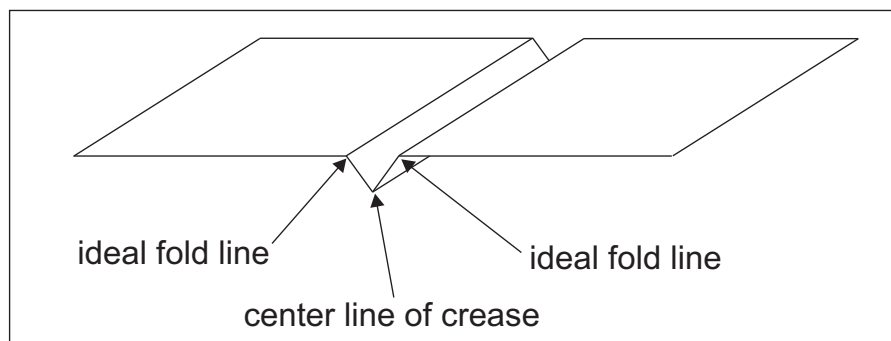
SET BY POSITION

IMPORTANT NOTES.

1. If the fold is too near, or on the center line of the crease; the fold will try to fold diagonally across the crease profile and pull the fold out of square to the paper.

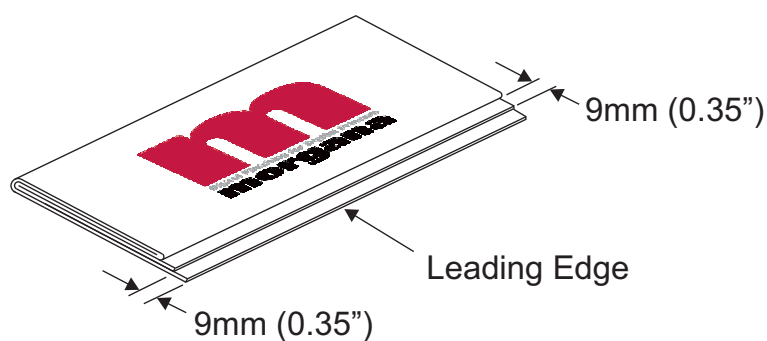
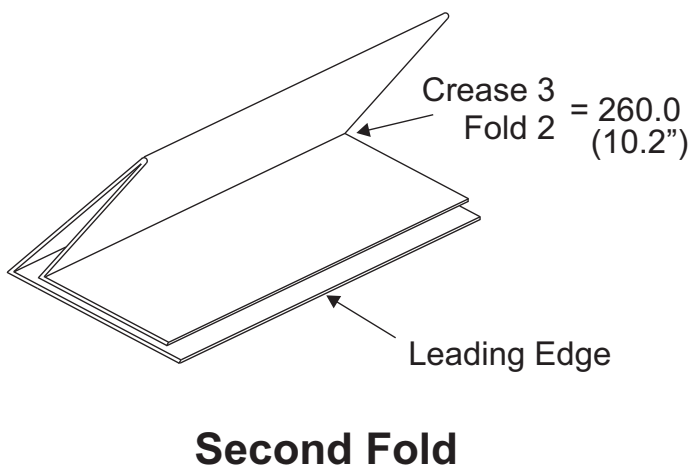
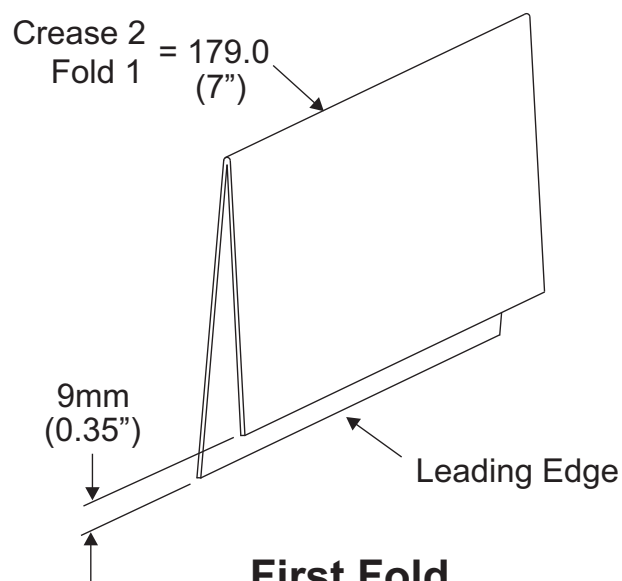
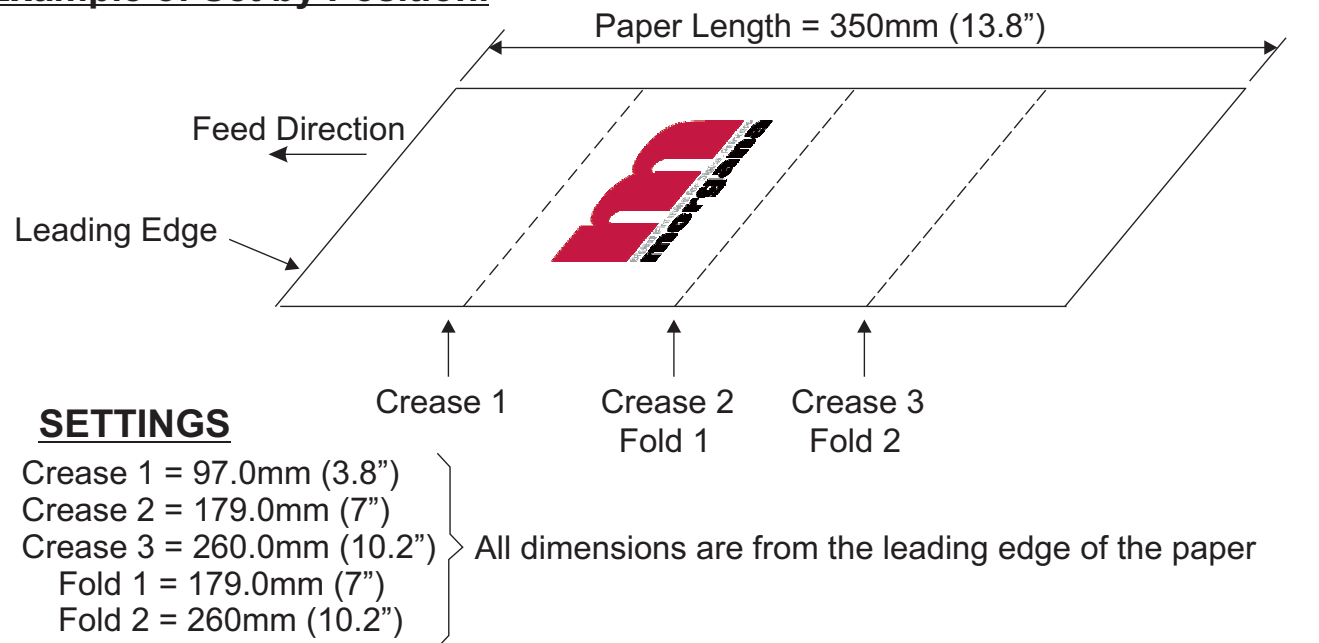
The best fold squareness is achieved when the fold is not on the center line of the crease, it should be to one side of the crease center line as shown below.

Thus for a crease setting of 100 for example, the fold should be set to a figure slightly smaller or greater than 100.



2. When using **Set By Position**, all dimensions are from the leading edge of the paper as shown in the example on page 20.

Example of Set by Position.



AutoFold Pro Operating the AutoFold Pro

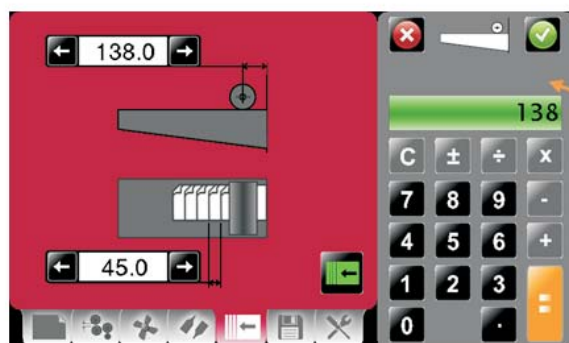
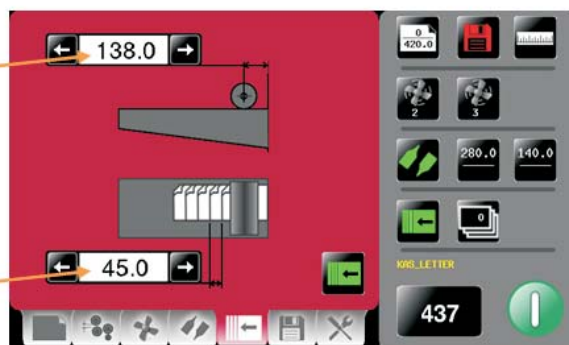
Delivery Settings Page.

To get to the Delivery setting page click the lower tab

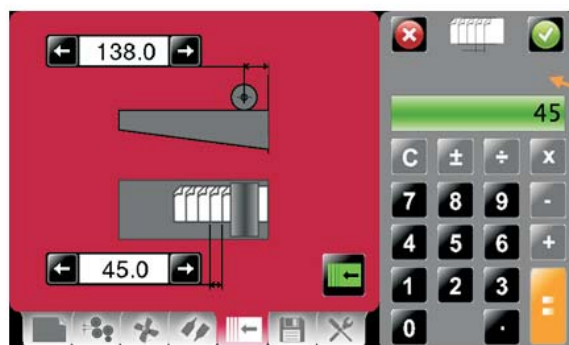


Roller position may be micro adjusted by clicking here.

Shingle may be micro adjusted by clicking here.

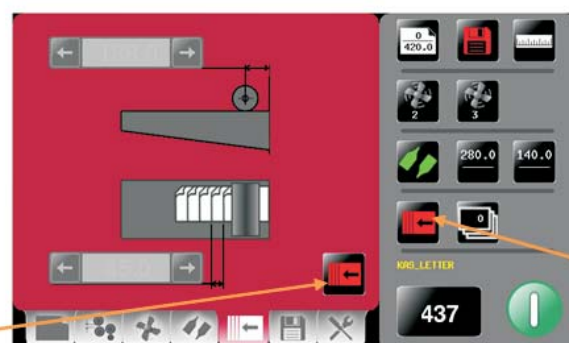


Roller adjustment calculator.



Shingle adjustment calculator.

The Delivery can be toggled On or Off by clicking here.

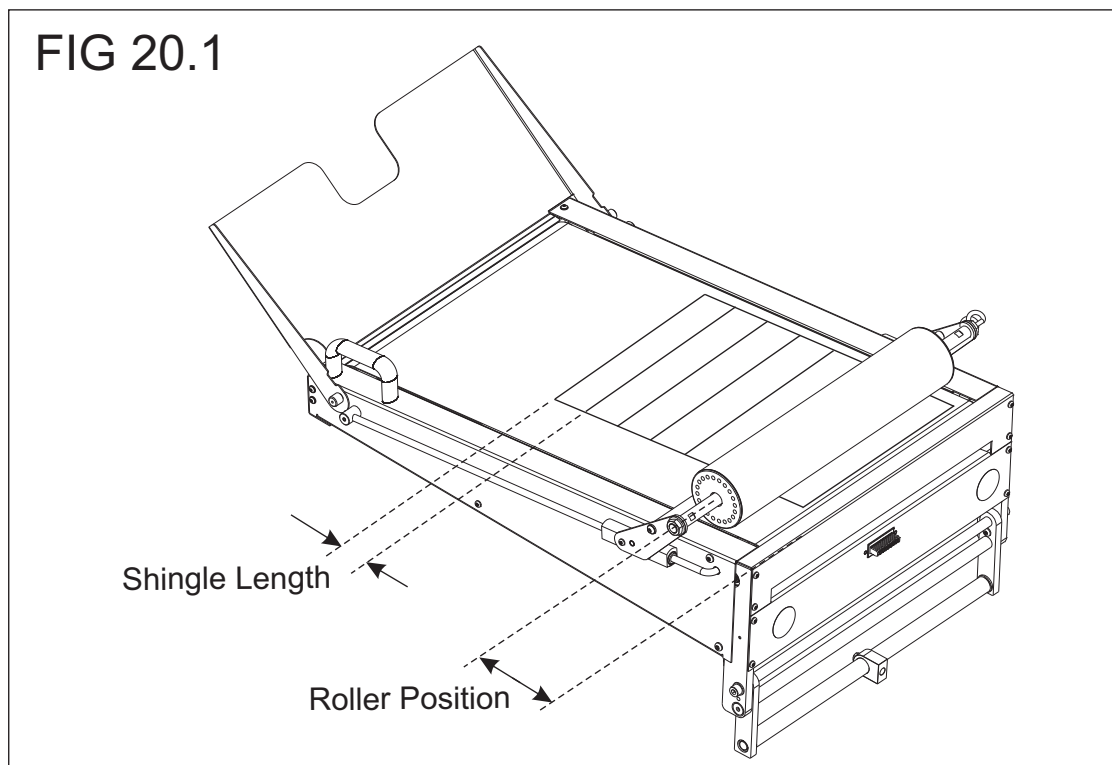


Delivery on/off status red is off green is on.

Setting the Delivery Conveyor System.

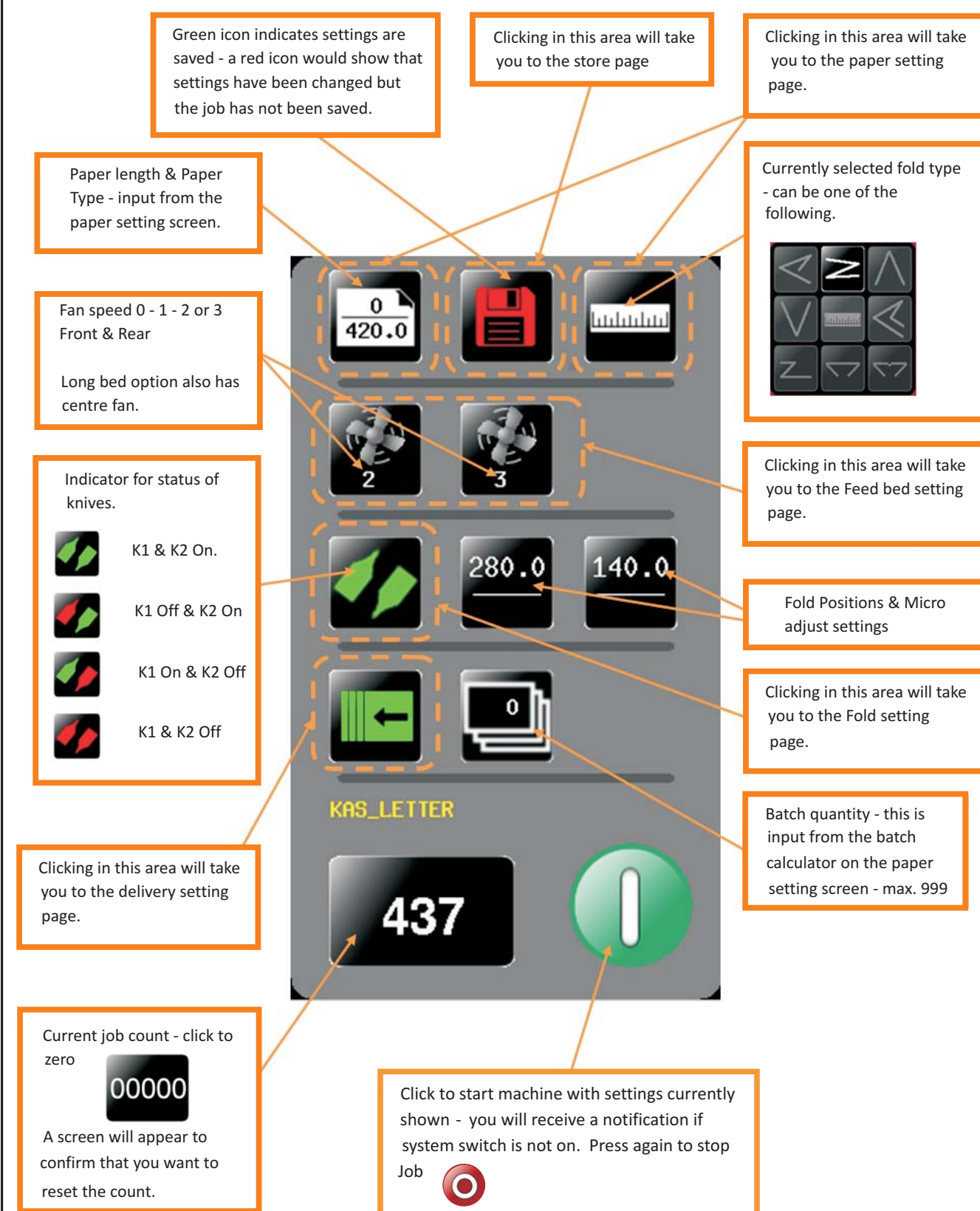
WARNINGS:-

1. The Machine will not start if the delivery unit is not in its up position.
2. If the delivery is turned off the roller will feed to the far end of the belt conveyor and park there until turned on again.
3. If the delivery is turned on when using the 'Set by Fold' mode of operation; the Roller Position and Shingle Length are automatically set, relative to the paper length and type of fold selected.
4. When using the 'Set by Position' mode of operation; the Roller Position and Shingle Length must be adjusted manually to suit the job. (See FIG 20.1 below).
5. When the optimum settings for the roller position and shingle length are achieved they can be stored with the job.

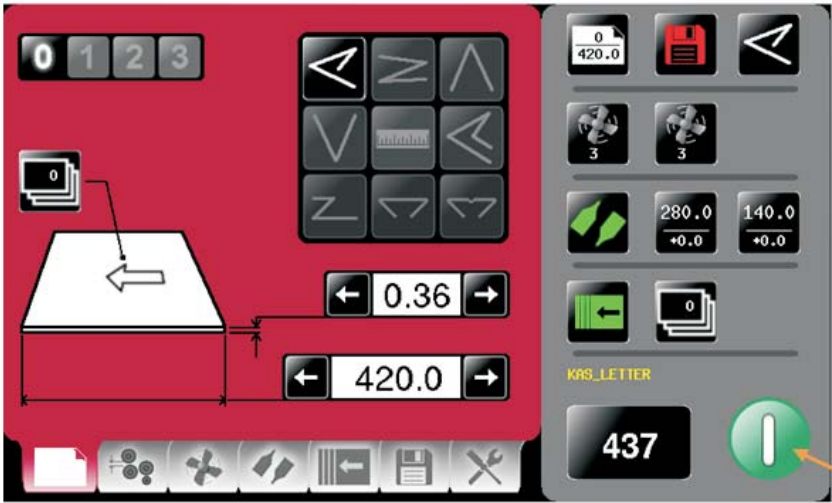


AutoFold Pro Operating the AutoFold Pro

Status Screen.

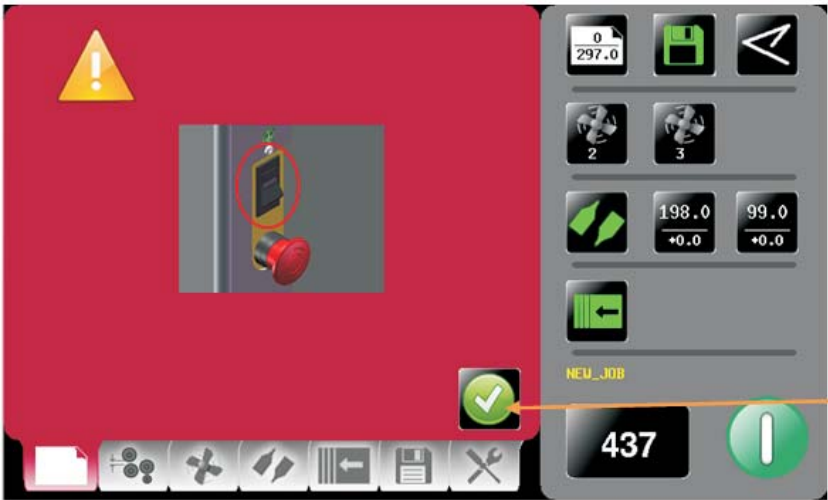


Run Job.



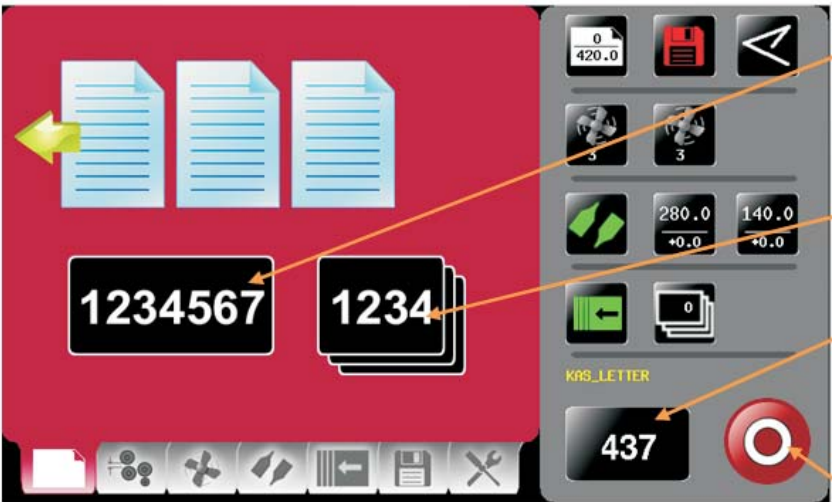
Click to run machine.

System Switch Not On.



Click to confirm System switch is on & then click run button again

The machine running screen will appear.



Run count

Batch Count

Job Count


Click to stop machine.

Setting the machine to operate in manual sheet feed mode

In order to feed heavy stock, very small or very large sheets, embossed or even irregular shaped sheets, it may be necessary to feed the sheets manually.

The machine can be programmed and set up in exactly the same way as explained when operating the machine automatically.

The machine can now be started by activating the System switch to 'on'.



Select the  icon on the touch screen and begin to feed the sheets individually onto the feed bed.

To stop feeding the sheets, select the  icon on the touch screen and switch the System Switch off.

NOTE.

If the delay between feeding sheets is excessive, the system will time out.

Store Pages.

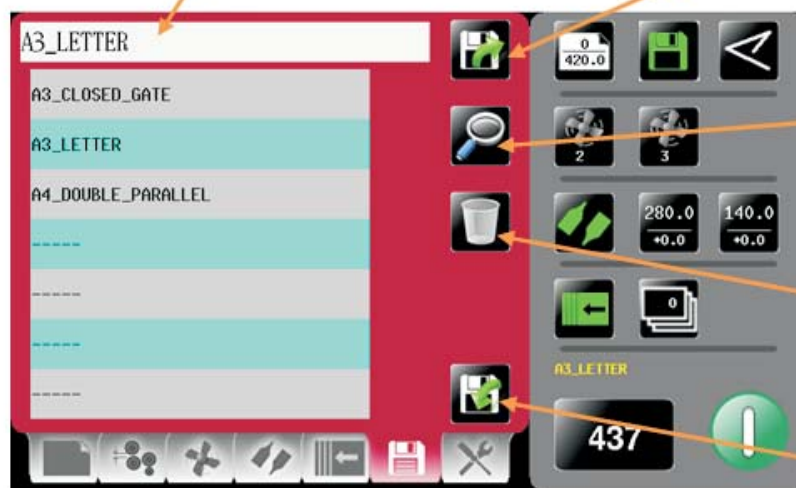
To get to the Store setting page click the lower tab  or  from the status area.

New Jobs.

Having set up your job you can give the job a name and save it to a store. You can also retrieve previously saved jobs, modify them or delete jobs you no longer require.

To create a new job name click in text area & keyboard will open to input job name.

Load existing job from store




Clicking to search currently stored jobs

Clicking to delete currently stored jobs

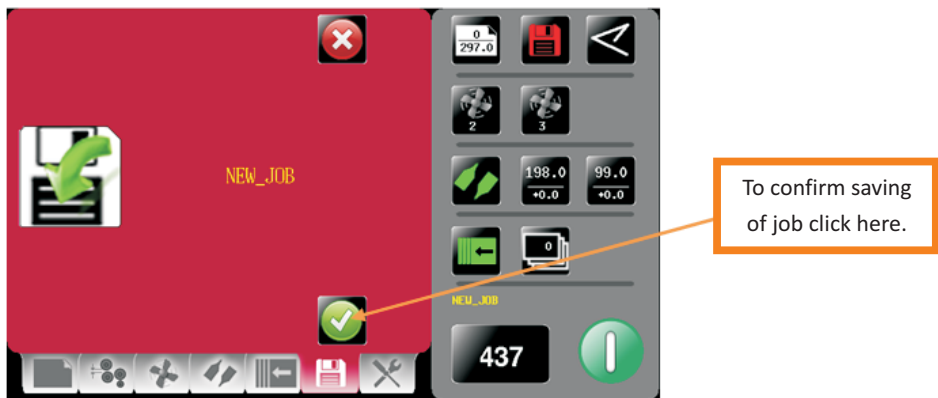
Clicking to save job shown.

Keyboard for entering job name.




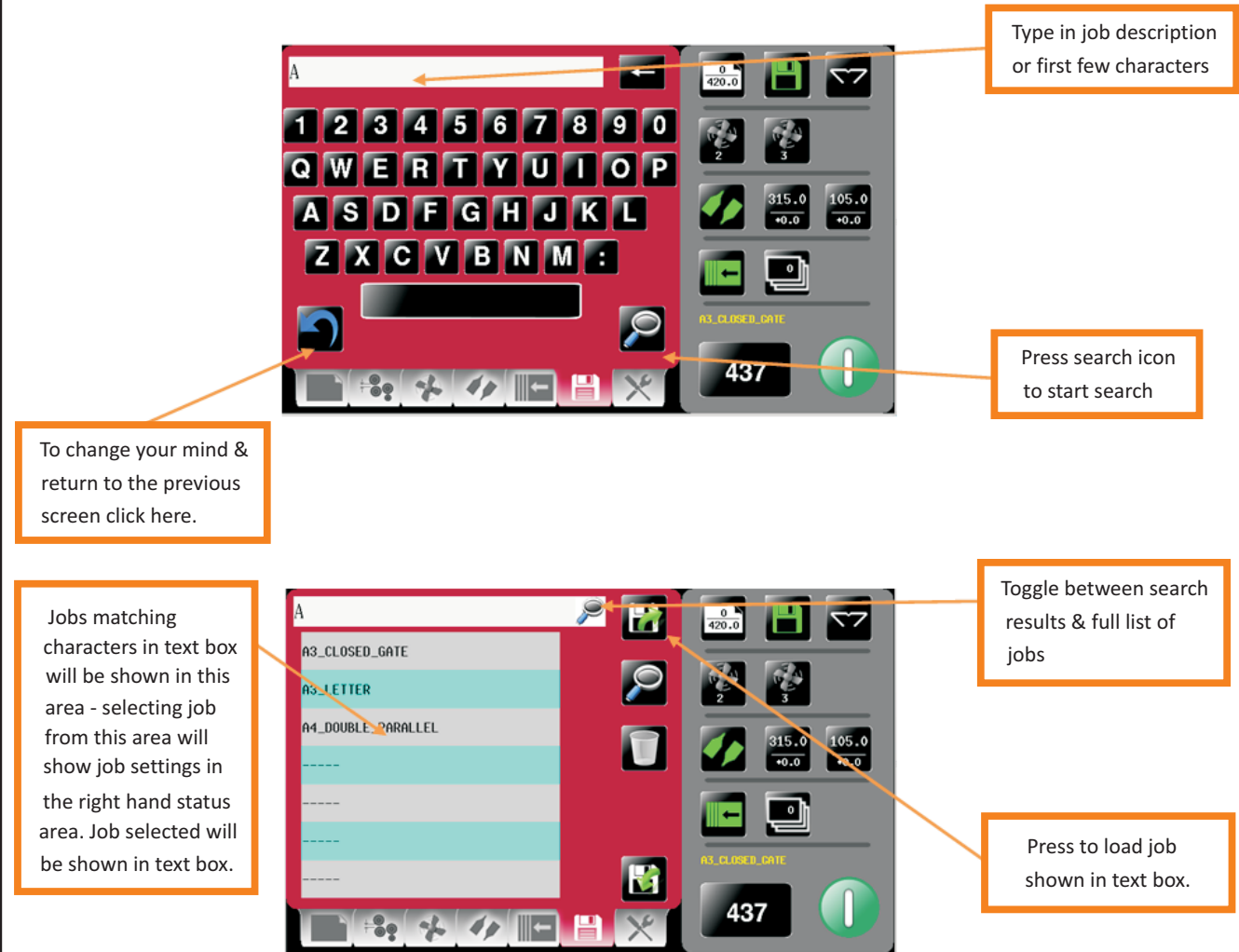
Return to Store Menu & click save icon  to save job to store

Save confirmation screen.

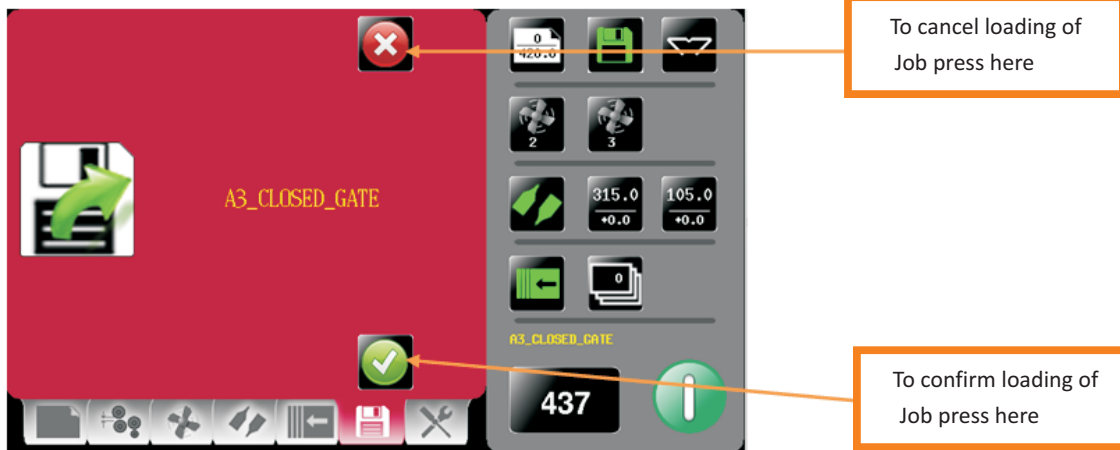


Search for current jobs to load or modify.

You can search for jobs by clicking the search icon  , this will bring up the search keyboard for text input.

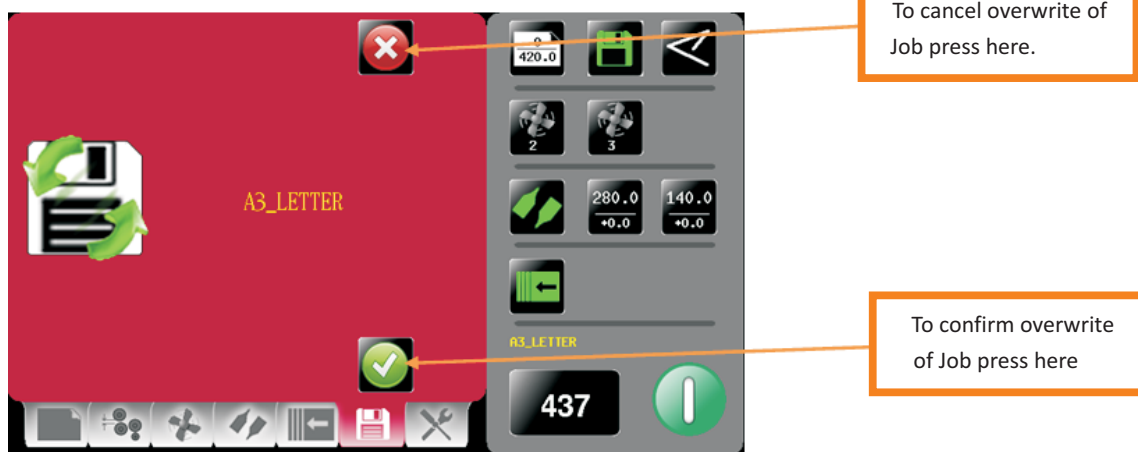


Loading job confirmation screen.



Loaded job may be modified and then re-saved as the same job name.

Overwrite job confirmation screen.

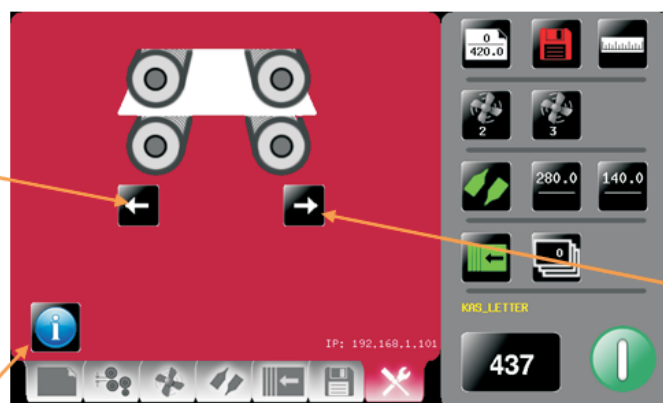


Delete job confirmation screen.



Tools Menu.

To get to the Tools page click the lower tab



Inch paper in direction of arrow to clear jams

Clicking this icon will show Machine programme revision & Touch Screen software revision.

Inch paper in direction of arrow to clear jams

Machine main board software revision

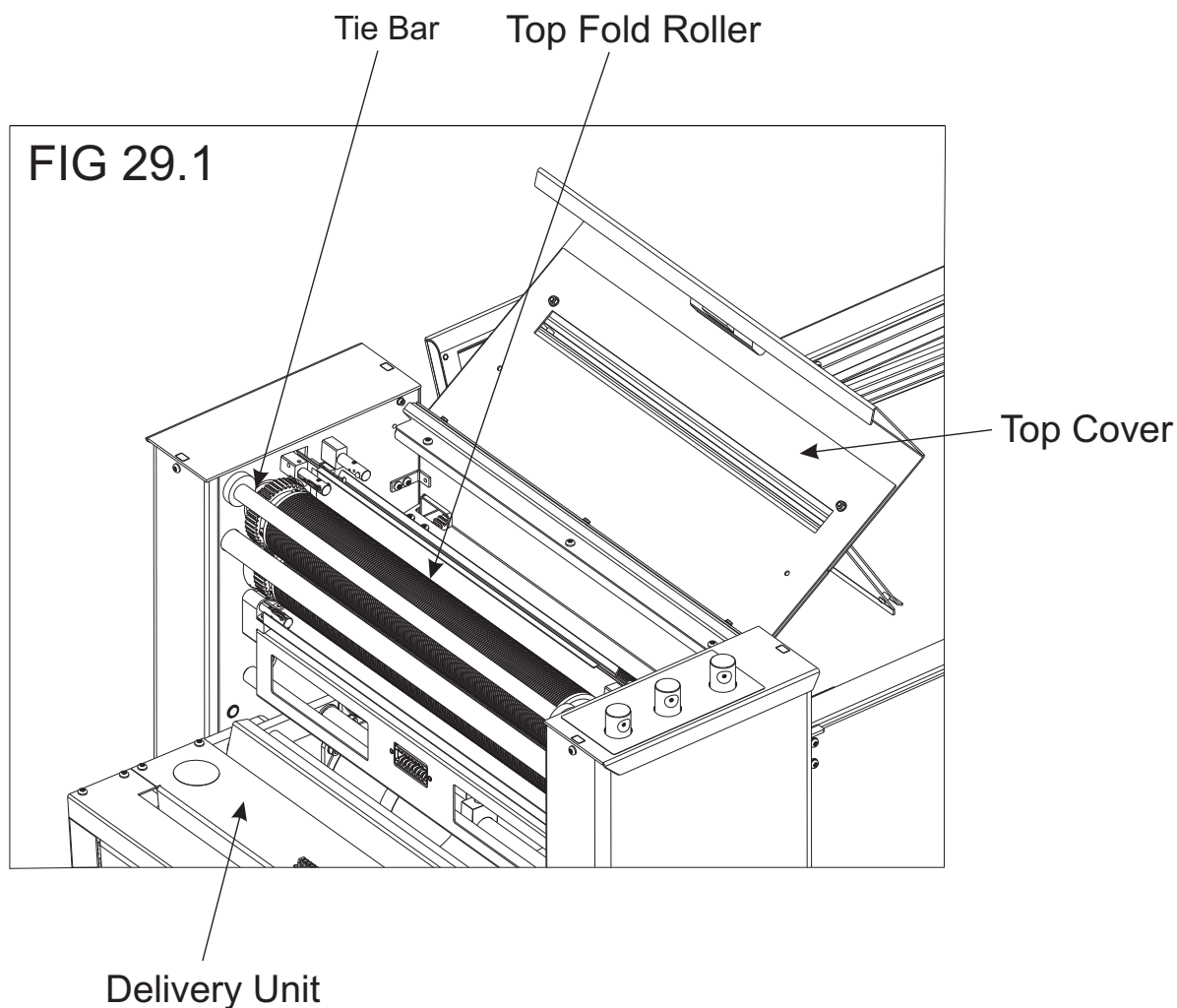


Touch screen software revision

Removing Paper Jams

In the event of a paper jam occurring, whilst running the machine, follow the steps described below to allow access to remove the jammed paper.

1. Unlock and lower the delivery unit, open the top cover; see FIG 29.1 below.
2. If the paper is jammed in the fold rollers; try to rotate the top fold roller, using both hands. Position the thumbs under the tie bar and spread the fingers out above the tie bar.



Paper fold out of square

Note:- the best fold squareness is achieved when the fold is not on the center of the crease, but to one side or the other.

- Check that the fold is to one side of the crease center line.
- Check that the roller gaps are not too tight and squashing the crease.
- Check that the roller gaps are not too large and allowing the paper to slide (especially so on glossy paper).

Paper jamming

- Check that the first crease / fold position is not too close to the leading edge of the paper. A minimum distance of 50mm (1.96") is recommended.

Machine will not start

- Check the power supply to the machine.
- Check that the emergency stop button has been released.
- Check that the top cover is down.
- Check that the delivery unit is in the up position, and located correctly, (the machine will not start if the delivery unit is not in its up position).

Paper not feeding

- For heavy stocks, very small or very large sheets, embossed or even irregular stock, it may be necessary to feed the sheets manually - see page 25.

Cracking of the Printed Material along the Crease.

Cracking of the material along the crease may be caused by the following:-

- **When using dry ink or toner based print engines, the material must be fully acclimatised for at least 48 hours before putting an image onto the paper.**

Error Screens

- **Sheet did not arrive.**

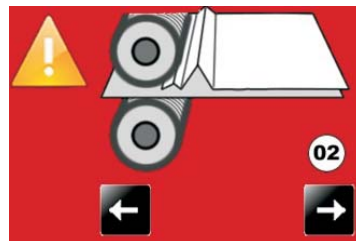
If the machine stops and error message 01 is displayed on the touch screen, this indicates that the paper did not arrive at the end of the suck process; so the machine timed out. Press the green tick button and then press the start button.



- **Paper Crunch**

If the machine stops and error message 02 is displayed on the touch screen, this indicates that a paper jam has been detected.

Press the system switch down and then select the right or left arrows, to inch the paper forwards or backwards. See page 30 that describes how to remove paper jams. Press the green tick button and then press the start button.

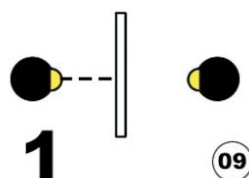


- **Clip 1 NOT clear (Back Sensor)**

If the machine stops and error message 09 is displayed on the touch screen, this indicates that the sensor is or was blocked when it should have been clear.

i.e. A jam in the paper path or the wrong length of paper has passed through the sensor.

To correct - check if paper is present and check that the paper path is clear before restarting. See page 30 that describes how to remove paper jams.



Error Screens (continued)

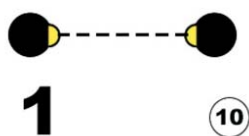
● **Clip 1 NOT Blocked (Back Sensor)**

If the machine stops and error message 10 is displayed on the touch screen, this indicates that the sensor did not see the paper at the correct time.

i.e. A jam in the paper path.

To correct - Check if paper has jammed in the machine prior to the sensor.

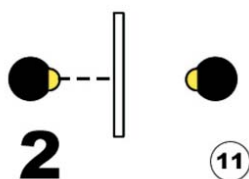
See page 30 that describes how to remove paper jams.

● **Clip 2 NOT clear (Top Sensor)**

If the machine stops and error message 11 is displayed on the touch screen, this indicates that the sensor is or was blocked when it should have been clear.

i.e. A jam in the paper path or the wrong length of paper has passed through the sensor.

To correct - check if paper is present and check that the paper path is clear before restarting. See page 30 that describes how to remove paper jams.

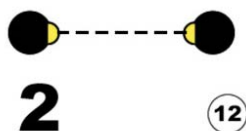
● **Clip 2 NOT Blocked (Top Sensor)**

If the machine stops and error message 12 is displayed on the touch screen, this indicates that the sensor did not see the paper at the correct time.

i.e. A jam in the paper path.

To correct - Check if paper has jammed in the machine prior to the sensor.

See page 30 that describes how to remove paper jams.



Error Screens (Continued)

● Overlap

If the machine stops and error message 13 is displayed on the touch screen, this indicates that the 'Lead Edge Sensor' has seen a sheet subsequent to the first one as being longer. Again this could actually be a longer sheet, OR it could be a sensor problem (if it is a recurring problem). Check that the paper gate has been set correctly.



● Sheets too close

If the machine stops and error message 45 is displayed on the touch screen, this indicates that the sheets are too close together. The rate of feed of the sheets needs to be slowed down. If the sheets are being fed from an AutoCreaser Pro 33 or an AutoCreaser Pro 50 adjust the speed on the Tools Menu screen to a slower speed.



Recommended weekly operator maintenance

- Clean all sensors.
- Clean in feed rollers and output drive hubs using the cleaning kit supplied (cleaning kit part number 90-018).
- Remove and clean the blade assembly.

Technician Maintenance

It is recommended that your Machine is fully serviced at least once every six months by a factory trained Service Engineer.

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PAGE

ITEM	PART NUMBER	QTY	DESCRIPTION
1	184-011	1	OPERATORS MANUAL - AutoFold Pro
2	90-018	1	ROLLER CLEANING KIT
3	650-040	1	POWER CORD C19 UK 16A 2.5m
4	601-167	1	DIGITAL THICKNESS GAUGE
5	613-229	1	WRITE-ON SERIAL NO. LABEL
6	65-104	1	SPECIFICATION LABEL MSL/CE
7	620-007	1	HEXAGON BALL DRIVER 2mm
8	620-020	1	HEXAGON BALL DRIVER 2.5mm
9	620-026	1	BONDUS L WRENCH 4mm
10	620-027	1	BONDUS L WRENCH 5mm
11	624-018	1	DISPATCH BOX
12			
13			
14			

ITEM	PART NUMBER	DESCRIPTION
1	182-001-01	FEED BED FRAME - LONG
2	184-11-02	TRANSFER BED ASSY - AUTOCREASER 50

ACCESSORIES....May be obtained from your dealer and fitted to your machine using the instructions supplied, or by reading your operators manual.	OPTIONS....May also be obtained and fitted by your dealer. You should not attempt to fit options as specialist tools and knowledge are required.
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PART NO.	DESCRIPTION
125-25-01	Small Stepper Driver - High Power
174-06-01	Small Stepper Driver - Low Power
174-01-03	Controller PCB Assembly + Chip
184-04-01	Fan Control PCB Assembly
174-19-01	RS232 Adaptor PCB Assy.
75-472-01	Mini ITX Motherboard (Configured)
126-059-02	Link - Paper Guide
145-093-02	Knife Driver Pin - M8
76-261	Lead - Delivery Input Connector
76-277	Lead - Sensor
76-281	Lead - Fan Assy.
76-283	Lead - Fan Assy.
76-300	Lead - Drive Motor
76-301	Lead - Fold Knives Motor
76-304	Lead - Fold Sensor
76-305	Lead - Gap Set 1 Pot
76-306	Lead - Gap Set 2 Pot
76-307	Lead - Gap Set 3 Pot
173-57-01	Lead - Blade Position Sensor
173-46-01	Lead - Gap Set 3 Pot
173-47-01	Lead - Gap Set 2 Pot
173-48-01	Lead - Gap Set 1 Pot
655-015	Power Supply - 24V
655-016	Power Supply - 48V
76-310	PSU Assembly - ATX12V - 300W
175-31-04	Input Roller Assembly - Upper
185-10-01	Input Roller Assembly - Lower
185-14-01	Fold Roller Assembly - Fixed
185-15-01	Fold Roller Assembly - 1st
185-16-01	Fold Roller Assembly - 2nd
185-17-01	Fold Roller Assembly - 3rd
175-10-04	Edge Sensor Assembly
75-06-01	Touch Screen Assembly - 7"
175-11-04	Sensor Bar Assembly
175-11-05	Sensor Bar Assembly

PART NO.	DESCRIPTION
175-125-01	Connecting Link Assembly - Drive
175-125-02	Connecting Link Assembly - Knife Hubs
182-014-02	Belt - Paper Transport - Medium
182-014-03	Belt Paper Transport - Short
184-03-01	Jam Detector - Emitter
184-03-02	Jam Detector - Receiver
186-02-01	Clip Sensor Assy. - Lower
604-103	Gas Spring - Delivery
604-108	Gas Spring
607-005	Belt - Vacuum Roller
607-045	Multi Beam Coupler
607-182	Timing Belt 180XL 062
607-185	Timing Belt 160XL 062
613-023	Fuse - 3.15A - 20 x 5mm - Fast Blow Ceramic
681-011	Fuse - 315mA - 20 x 5mm Anti-surge - Ceramic
681-019	Fuse - 6.3A - 20 x 5mm - Anti-surge Ceramic
613-351	Micro Switch - Guard
613-365	Emergency Stop Switch - Double Pole
626-008	Anti-Static Bar
626-009	Anti-Static Bar - Female
652-011	Switch - Low Current Coil - Black
75-258	Anti - Static Transformer
76-262	Stepper Motor - Roller Drive
76-258	Stepper Motor - Belt Drive
76-259	Stepper Motor - Roller Position
124-01-27	Lead - Delivery Roller Pot

NOTE.....

The items listed above represent parts which are subject to wear, loss, or accidental damage, and is included for your guidance only.

Replacement of parts fitted to your machine require specialist knowledge and should therefore be entrusted to your dealer.

MACHINE CALIBRATION HISTORY

Serial Number:-

Date:-					
Total Count:-					
Stretch					
Lead Edge Trim					
Del. Roller Trim					
Knife 1 Trim					
Knife 2 Trim					
K1 Deflect Trim					
K2 Deflect Trim					

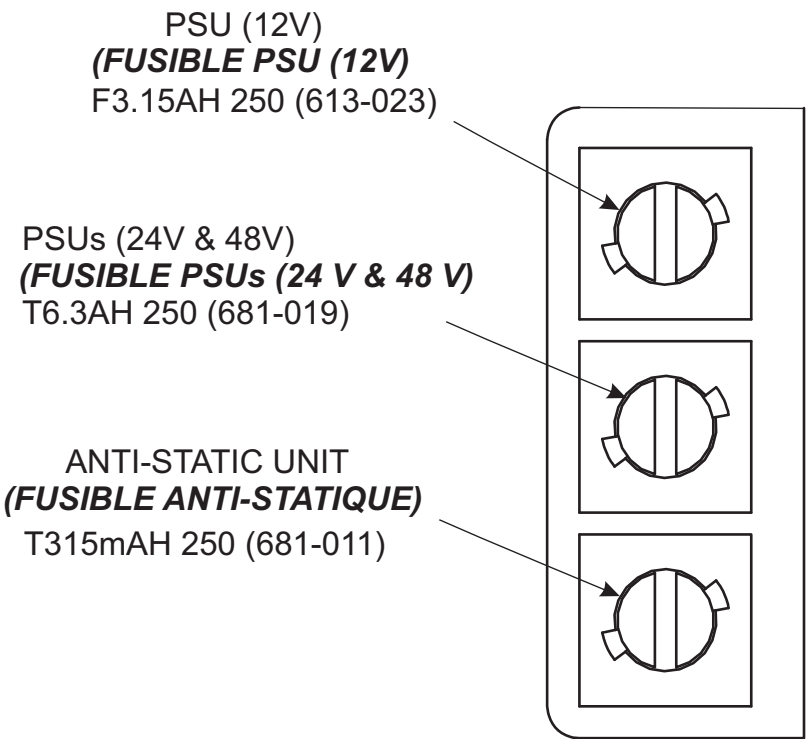
Date:-					
Total Count:-					
Stretch					
Lead Edge Trim					
Del. Roller Trim					
Knife 1 Trim					
Knife 2 Trim					
K1 Deflect Trim					
K2 Deflect Trim					

Date:-					
Total Count:-					
Stretch					
Lead Edge Trim					
Del. Roller Trim					
Knife 1 Trim					
Knife 2 Trim					
K1 Deflect Trim					
K2 Deflect Trim					

Date:-					
Total Count:-					
Stretch					
Lead Edge Trim					
Del. Roller Trim					
Knife 1 Trim					
Knife 2 Trim					
K1 Deflect Trim					
K2 Deflect Trim					

FUSE POSITIONS & RATINGS

(POSITION ET CLASSIFICATION DES FUSIBLES)



PRODUCT RECYCLING & DISPOSAL

European Union

Disposal Information for Commercial Users



Application of this symbol on your equipment is confirmation that you must dispose of this equipment in compliance with agreed national Procedures.

In accordance with European legislation end of life electrical and electronic equipment subject to disposal must be managed within agreed procedures.

Prior to disposal please contact your local dealer or representative for end of life take back information.

Disposal Information for Domestic Users



Application of this symbol on your equipment is confirmation that you should not dispose of the equipment in the normal household waste stream.

In accordance with European legislation, end of life electrical and electronic equipment subject to disposal must be segregated from household waste.

Private households within EU Member States may return used electrical and electronic equipment to designated collection facilities free of charge. Please contact your local disposal authority for information.

In some Member States when you purchase new equipment your local retailer may be required to take back your old equipment free of charge. Please ask your retailer for information.

Other Countries

Please contact your local waste authorities and request disposal information.

