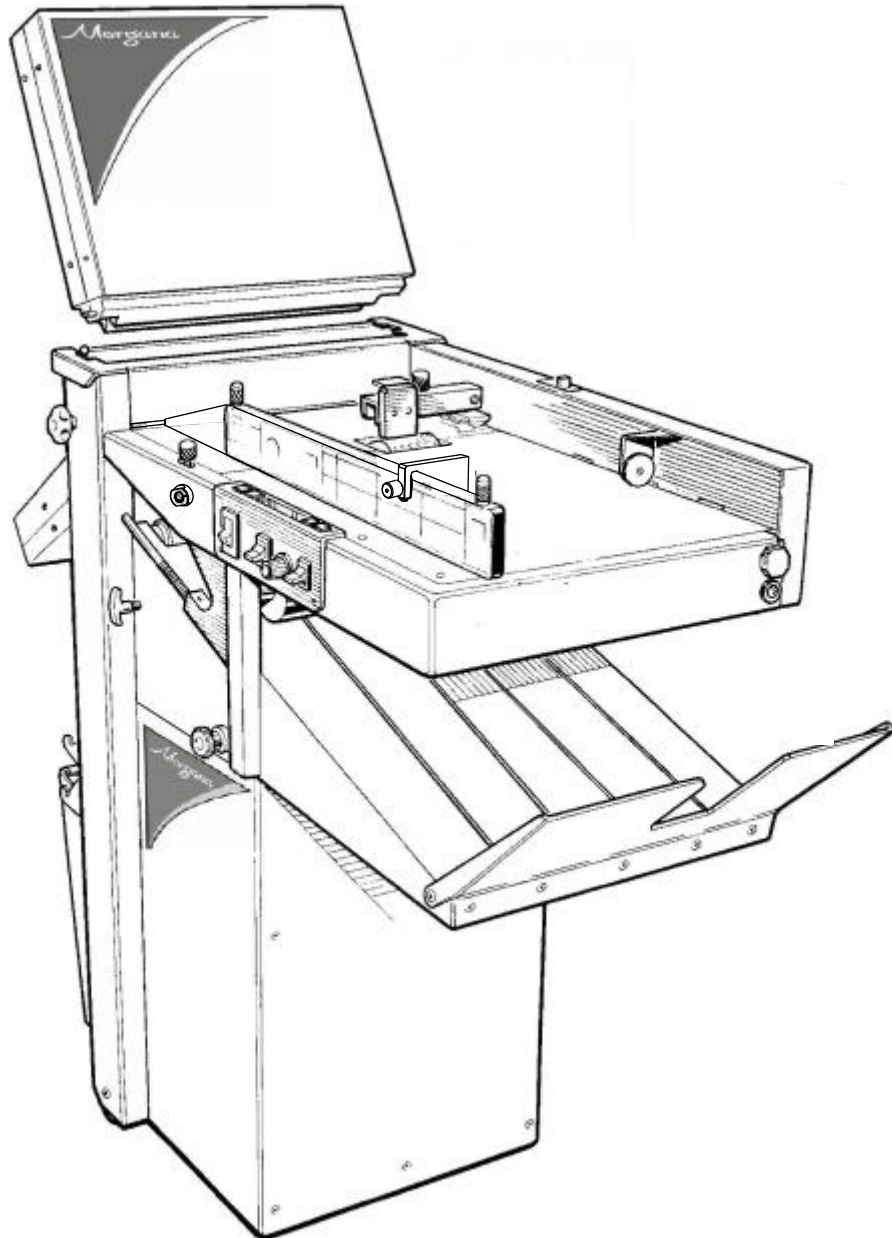


Morgana **DocuFold Mk2**



AUTOMATIC PAPER FOLDING MACHINE OPERATORS MANUAL

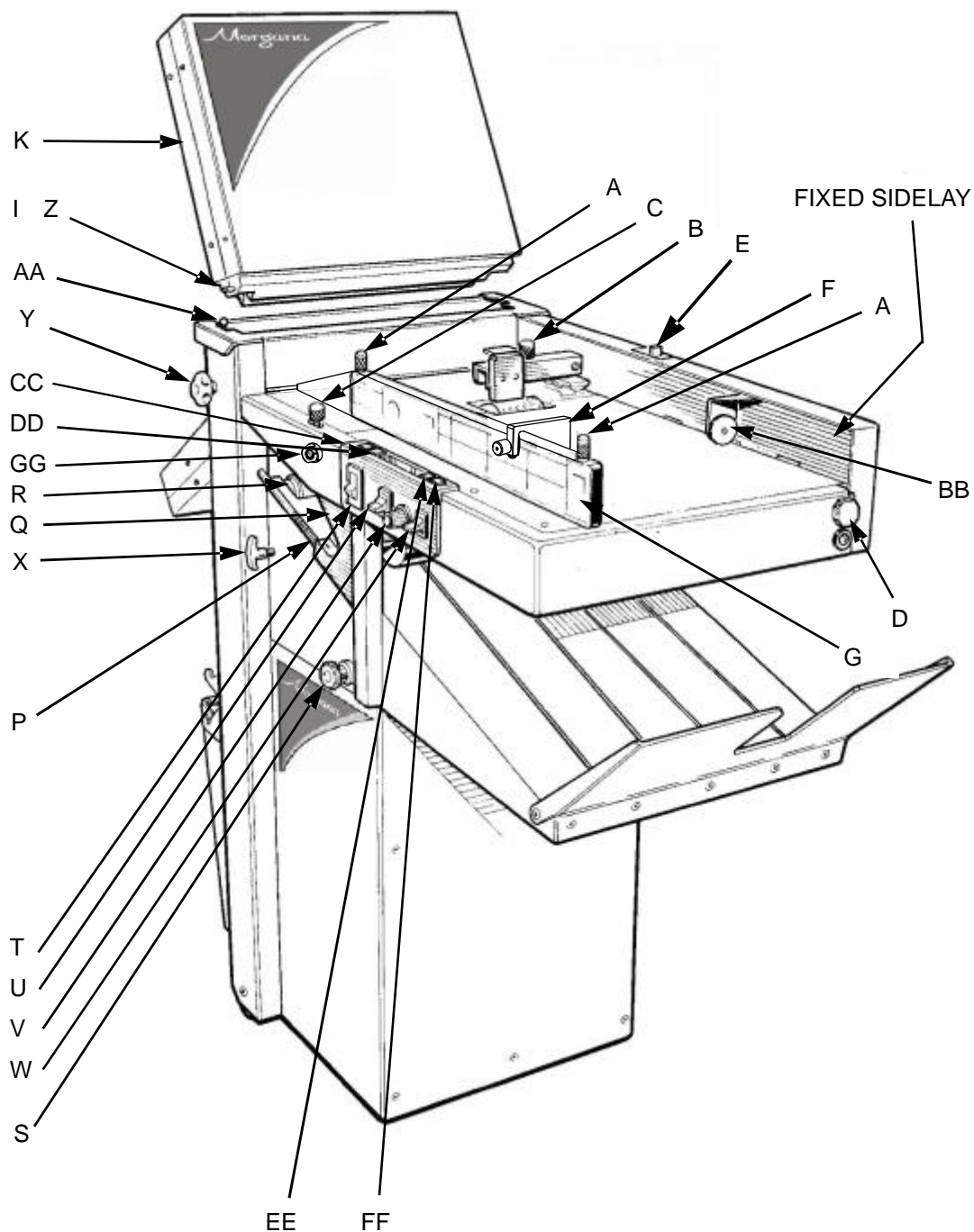
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Morgana DocuFold Mk2



AUTOMATIC PAPER FOLDING MACHINE

Safety Do's & Don'ts

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

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

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

Do - beware of finger traps when replacing roller cassette and fold plates.

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

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

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

Do not - place receptacles containing liquids on any surface.

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

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

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

Do not - under any circumstances remove the fold plates when the machine is switched on.

OPERATORS INTRODUCTION TO THE MORGANA DOCUFOLD Mk2

The Morgana Docufold is a brand new concept paper-folding machine. Designed to be used in today's environment of document production, the Morgana Docufold can be used by non-skilled personnel by following this easy to use operators guide. There are very few operator adjustments required on the machine and our **KWIK START** section will get you started very quickly, but we do recommend that you take a little time to read this manual, to ensure that you fully understand the machine. We have also included a **TIPS & TROUBLE SHOOTING** section. Be sure to read this section **before** calling a service engineer to avoid any unnecessary expense.

On the Docufold the fold plates and Delivery Roller will move automatically according to the type of fold selected. Please be aware that different weights, humidity, temperature or the grain direction of the paper may make the paper fold in a different position according to the material. Some manual adjustment may sometimes be necessary to obtain the exact fold plate position for each type of paper.

KWIK START GUIDE:

1. Set the paper gate gap (knob B) to two thickness of the paper to be folded.
2. Place the paper to be folded onto the loading table against the fixed side lay.
3. Unclamp the moving side lay (knobs A) and slide up against the side of the paper but allow approximately a 1/2 mm or 1/64 inch gap between the moving side lay and the paper.
4. Clamp the backstop (F) onto the moving side lay at the back of the paper stack.
(Note) Do not attempt to load too many sheets onto the loading table during set up as this may affect the feeding operation.
5. Make sure you have power to the machine and that knob (S) is turned onto the ON position.
6. Push switch (W) downward to set up position.
7. Slide the sheet-measuring device (BB) up to the block of paper to be folded.
8. Look at the diagram on the moving side (G) lay showing the various fold types. Select the type of fold that you require to make by turning knob (V), for example select SL for Letter fold.
9. Lift switch (W) to the middle position (Run)
10. Press the system switch (T) and allow the machine a few seconds to reach its optimum speed.
11. Press the feed switch (U) down to pulse and the machine will feed three sheets for checking.

12. 'Check' will appear on the control panel display. If the check sheets are folded correctly, move the feed switch (U) to the off position.

13. Zero the counter by pressing the set-up switch (W) upwards. If you require to batch, the Docufold provides the facility to batch in denominations of 10's from 10 to 1000.
To set batch, you can select the required batch number by turning the feed switch (U) to off & then rotating the select knob (V) until the required batch quantity appears in the control panel display.

14. Push the feed switch down to pulse to start the machine feeding the paper.

MORGANA DOCUFOLD Mk2 OPERATOR INSTRUCTIONS

SIDE LAY

Place a single sheet of the job onto the loading table.

Release the side lay clamp screws (A) and slide the side lay just up to the sheet so that there is about half a millimetre clearance or 1/64 inch

Tighten the clamp screws.

PAPER GATE

Adjust the height of the paper gate using knob (B) (clockwise to lower, anti-clockwise to raise) so that the clearance above the vacuum roller is two thicknesses of the paper to be folded. Do not make this adjustment, when the face of the paper gate is above a hole in the vacuum roller, if it is, rotate the vacuum roller by hand to bring the metal between holes below the paper gate.

On this machine, the paper gate is fixed in an optimum position and cannot be moved backwards and forwards (horizontally).

SUCTION OPENING

The suction slot inside the suction drum, may be adjusted by releasing knob (C) and swinging the knob in the desired position. Lighter stocks including bond will run best with the knob set to the left. For heavier stocks and curled-up stock, move the knob (C) to the right until a satisfactory position is obtained.

AIR DISTRIBUTION KNOB (D)

Depending on the length of the sheet, the air distribution knob (D) should be rotated to supply the air to the correct ports as follows -

Position 1 - This is for short sheets A5 or 8" long with only port 1 open

Position 2 - This is for sheets A4 or 11" long with the front port and port 2 open

Position 3 - This is for the longest sheets A3 or 17" with the front port and port 3 open.

Position 0 - In this position, only port 2 is open and can be used on long sheets with the curl up where you need to blow air into the centre of the stack.

These setting positions are only a guide and some experimentation may obtain a better result with non-standard settings.

(Note) Position 1 feeds most paper stocks and sizes; thus the air distribution knob can be left in this position for most jobs.

SETTING THE VACUUM BLEED (GG).

Situated on the front of the feed table, the Vacuum Bleed Knob is used to allow more control of the suction on the vacuum drum.

When light weight paper of 90gsm and lower is being fed through the machine turn the knob clockwise to reduce the possibility of marking, or damage to the leading edge of the paper.

AIR SEPARATION KNOB (E)

This knob controls the amount of air that is fed to the paper. The machine would normally run with this knob set at the 'High' position. If the machine is run with less than approximately 20 sheets on the loading table, or running the job to the last sheet, this knob should be set to the low position.

BACK STOP (F)

This is placed up to the end of the paper stack and clamped to the moving side lay (G).

SHEET MEASURING (BB)

When pushing set-up switch (W) down to set-up, the position of the sheet-measuring device will be displayed on the control panel display. It will measure the length of a stack of paper to an accuracy of 0.1 mm. By pushing the sheet-measuring device up to the back of the stack of paper, it will allow the Docufold to calculate the fold length according to the type of fold selected.

Note: - If the digit after the decimal place flashes, it is measuring between 0.1 of a millimetre and is not a malfunction. **Always push the sheet-measuring device against the paper stack when adjusting fold types.**

FOLD PLATES

ALWAYS UNPLUG POWER CONNECTIONS BEFORE REMOVING FOLD PLATES.

Fitting

Fit the fold plates into their respective positions (long fold plate upper and short plate lower), by locating the front pins (I) into the long slots and carefully sliding forwards (without twisting) until the rear pins can be located into the short slots. When fully in position, pull down the fold plate to lock into position. Connect the push-in power connectors – short lead to plate 1 (upper) & long lead to plate 2 (lower).

Settings

The fold plate lengths are set automatically.

Fold plate Tilt

See roller tilt.

Manual & Fine Adjustment

The fold plate length can be adjusted manually. You may need to make this adjustment to achieve the exact correct length of fold. Button (CC) will select the upper fold plate & button (DD) the lower fold plate. To make a manual adjustment to the position of the upper fold plate, press and hold the upper fold plate button (CC). The dimension of the upper fold plate will now be displayed in the control panel.

Note: - The upper fold plate shows the dimension of the front edge of the paper to the first fold, the lower fold plate shows the dimension from the first fold to the second fold.

By turning the select knob (V) whilst still pressing and holding the upper fold plate button (CC) the fold length of the upper plate can be lengthened or shortened. Turning the select knob (V) clockwise will lengthen the fold plate length and by turning anti-clockwise it will shorten the fold plate length.

The digits before the decimal point shown in the display are in millimetres, each 'click' of the select knob (V) represents increments of 0.1 of a millimetre.

To adjust the position of the lower fold plate, press & hold the lower fold plate button (DD) and adjust the length as described above.

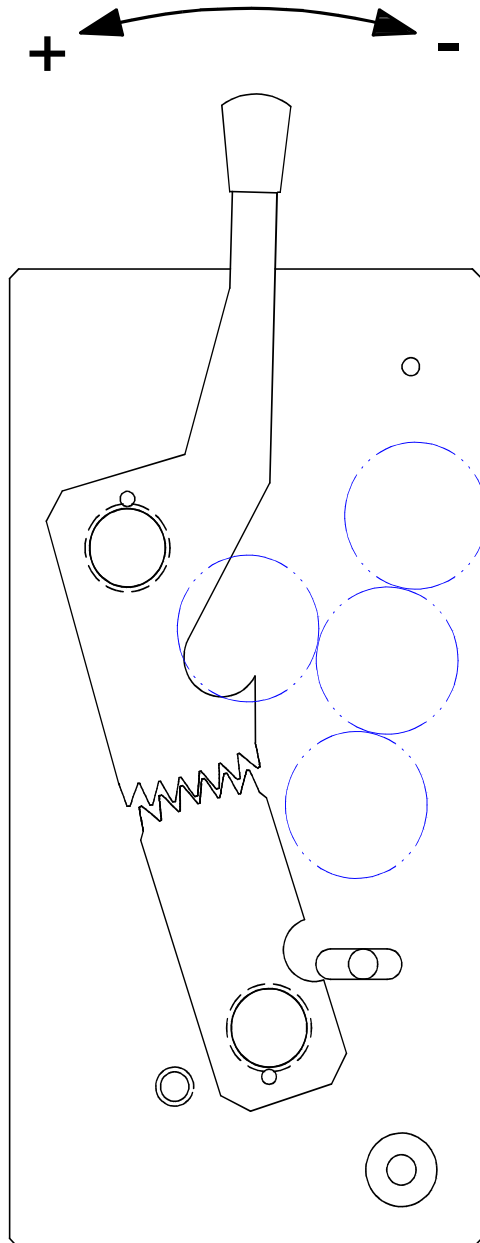
When you have adjusted the fold length dimension, move switch (W) up to the Run position. The plates will then position themselves according to the fold lengths you have selected.

With switch (W) in the Run position the left hand side of the control panel will display the letter 'U' which indicates a user setting followed by a letter that indicated the fold type. For example the letters 'UL' would indicate a User setting based on a Letter fold and the letters 'UH' would indicate a User setting based on a Half fold.

To check the fold position after making a manual or fine adjustment, press the system switch (T) and then press the feed switch (U) down. The machine will feed 3 check sheets and stop. After checking the 3-rd sheet, if the fold position is correct, move the feed switch up to the off position and then immediately down to the pulse position and the machine will start to operate. If after checking and further plate positioning is required, repeat the above procedure. The final fold plate and delivery stacker settings can be 'stored' for retrieval at a later date, see 'To Store A Programme'.

Roller Tilt

Lever (AA) should always be set in the '0' (square) position. To adjust folding out of square you can move the roller assembly in the + or - direction by releasing knobs (Y) and moving lever (AA) – always re-tighten Knobs (Y).



Stacking Roller

The stacking roller will adjust automatically according to the fold type selected.

Manual or fine adjustment for the position of the stacker roller can be made by pressing and holding the stacker roller button (EE) on the top of the control panel. 'Roll' and a digit from 1 to 9 will appear in the display panel.

The higher the number – the further down the belt stacker bed the roller will be.

To adjust the stacking roller position up or down, press the stacking roller button (EE) and turn the select knob (V) to one of the pre-set positions 1 to 9.

You should adjust the roller position so that when the work is stopped by the stacking roller, it lies flat on the delivery without lying on the sloping plate (R) and without the green belts showing between the sloping plate (R) and the folded sheet.

To Store A Program

After making a manual adjustment or fine adjustment to either the upper fold plate, lower fold plate or the stacking roller position, you can store the setting for retrieval at a later date. This can be useful when jobs need to be repeated.

Press switch (W) down to the set-up position, using the select knob turn until you reach a 'P' with a single digit number next to it. You have from 'P1' to 'P6' to select and can store up to six programmes. When you have selected a 'P' number, press and hold the feed switch (U) down until 'StorEd' appears in the display panel.

To select a 'P' programme at a later date, press set-up switch (W) down select the relevant 'P' number by rotating the select knob (V) and push the set-up switch (W) to Run. Press system switch (T) & move the feed switch (U) to Pulse.

Emergency Stop Switch (S)

This switch also serves as the main isolator. **It is important that the machine is switched off at the end of the days running, press this switch to isolate the machine.** To switch back on, rotate the switch head clockwise.

Main Switch (T)

The main switch (T) will run the whole machine. This switch incorporates a circuit that switches off every 100 seconds whilst the feed switch U is in the off position. The main switch may disengage seemingly at random but this is a normal function and may be instantly re-engaged.

Feed Switch (U)

Switches the feed on and off.

Never leave in the pulse or stream position when main switch (T) is off. This switch is used to select the type of feed, either pulse or stream. In the central pulse position the feeder pauses between each sheet and allows a gap of 160 mm between each sheet as they enter the fold rollers. This gap prevents sheets overlapping inside the fold plates, which lessens the chance of static being generated and will decrease paper jams.

Zigzag / concertina, engineering and gate folds can only be run on pulse. By holding switch (U) down, the feed mode will switch to stream feed which will feed paper with little or no gap between the sheets. Stream feed will increase productivity but folding accuracy may be slightly impaired. You can only use stream on letter, half or double parallel folds.

The pulse feed will cope with all types of fold including perforating.

Batch Knob (V)

The batch knob is a rotary switch and turning the knob slightly so that it moves one position will cause the display to show the set batch quantity. Moving the knob further will change the batch quantity in multiples of 10 up to 990. Stopping the feed in the middle of a batch will not affect the batch. When the machine batches, the feed will stop and the display will show the batch quantity with a series of dashes. Feeding will resume after a short period. If batching is not required, turn the batch knob (V) until it reads 0 in the display panel. When 0 is shown after turning batch knob (V) the counter will only total count.

Overlap

The machine has a built in system that will detect any sheet that overlaps another sheet by at least 20mm. When this happens, feeding will stop and the main switch will switch off, preventing serious jams and the display will show 'O-LAP'. Note that this is not a double detector and will not detect all double sheet feeds. However the overlap system is an indication of a tendency to double sheet feed and therefore the paper gate should be lowered slightly and the paper stack should be fanned out more thoroughly.

Speed Control (X)

The machine has two running speeds, which are selected by the handle (X). Pushing the handle sharply into the machine will select the fast speed. Pulling the handle sharply outwards will select the slow speed. The slow speed is recommended when running work that is difficult to stack, for example when perforating or folding an engineering type fold.

PLUG-IN PERFORATOR

The plug in perforator unit is used for perforating scoring and when folding card cover stock and should be stored on the rear stowage hooks.

ALWAYS UNPLUG POWER CONNECTORS BEFORE REMOVING FOLD PLATES OR PLUG-IN PERFORATOR.

Remove the second fold plate and fit the catch tray in position by hooking it over the opening for the second fold plate. The plug in perforator unit then locates the same as the fold plate and again, take care not to twist when fitting into position. You may need to turn the hand wheel and push the perforator unit inwards to engage the drive gear. Plug in the lower fold plate power connector into the perforator unit. 'PerF in' will appear in the display panel.

For all applications, the unit is set on the bench using the scale to indicate positions of the blades and hubs. It is important to spread the hubs evenly across the width of the work to reduce the risk of paper jams.

When perforating or scoring without folding, the upper fold plate must be removed and replaced with the lower fold plate.

Ensure that the tilt roller is at zero, plug in the upper plate connector into the lower plate. To prevent damage to the unused upper plate when scoring or perforating, store safely on the stowage hooks at the reverse side of the machine.

Press set-up switch (W) down and then up to the Run position, the built in deflector on lower fold plate will close automatically to the deflect position.

Note: - the Docufold will automatically recognise that the lower plate is in the upper plate position and that the plug-in perforator unit is in the lower plate position. You do not need to measure the paper length.

Start the machine with the main switch (T), and select slow speed by pulling out lever (X) sharply. Press the feed switch (U) to pulse.

The machine will feed sheets for checking and will display 'Perf 3' if the counter has been set to zero. To run the job switch feed (U) to off and then pulse.

Note: - Always run perforating or scoring jobs on pulse feed.

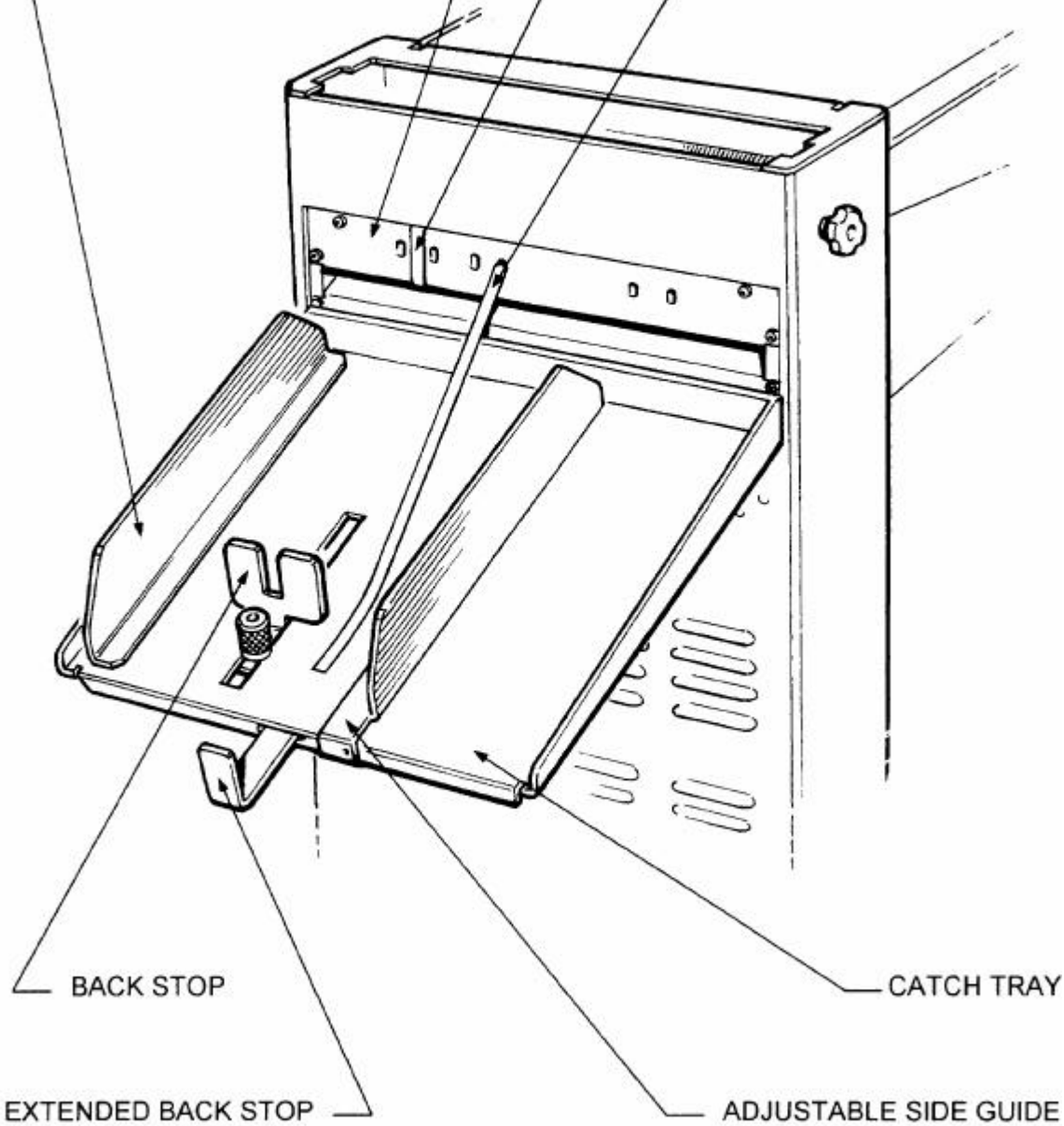
FITTING PERFORATER BLADES

The perforator blades are split into two matching halves and are fitted to the upper hubs as shown in the drawing using the four screws supplied.

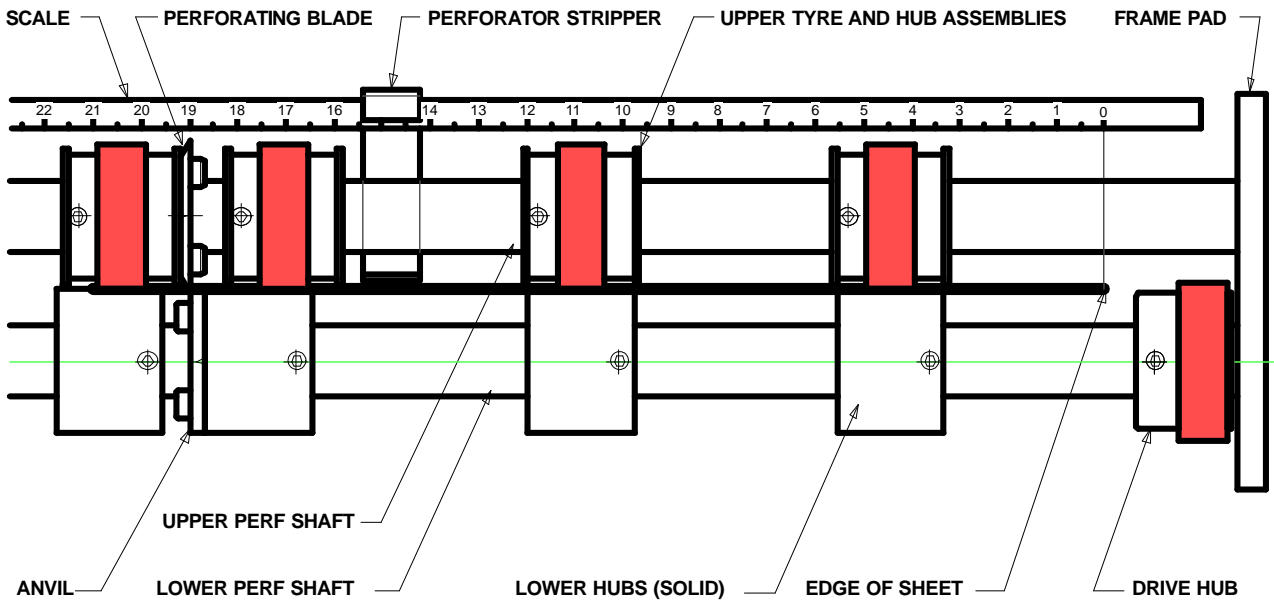
PLUG - IN PERFORATOR IN POSITON PERFORATOR STRIPPER

FIXED SIDE GUIDE

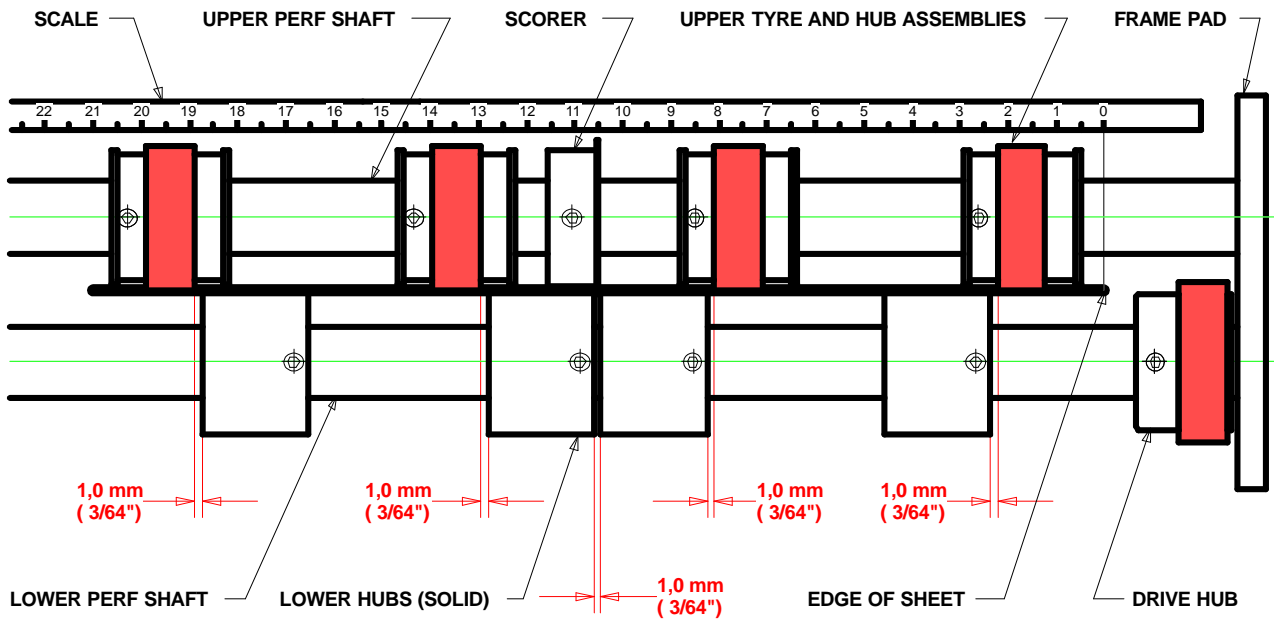
SHEET SMOOTHER



PLUG - IN PERFORATOR UNIT



RECOMMENDED PERFORATOR SET - UP



RECOMMENDED SCORER SET - UP

SETTING PERFORATORS

Upper and lower hubs can be positioned on the shaft by unscrewing the 2mm-grub screw. Slide the hub with the blade attached along, the shaft into position to correspond to the work using the scale as a guide. For example, to perforate 20mm from the edge of an A4 sheet, you would set the blade at 190mm (210 minus 20). When positioned re-tighten the 2mm-grub screw. **Important - Do Not Over Tighten This Grub Screw**

Slide the hub with the anvil, up to the perforator blade and the remaining upper and lower hubs, set as the drawing, remembering to spread them to support the sheet fully across its width.

Clip the perforator stripper adjacent to the upper hub as shown. Plug the unit into position, fit the sheet smoother into position to hold the sheets down and run the machine at the slow speed to check position.

Adjust the backstop and side guide to suit the work.

For work longer than the backstop will allow, remove the backstop and use the extended backstop that is located underneath the catch tray.

There is a full range of perforator blades available as follows:

For fine perforation	56 tooth	-	Part Number 1.99-41
For Paper	28 tooth	-	Part Number 1.99-12
For heavier Stock	20 tooth	-	Part Number 1.99-10
For use with blades	Anvil	-	Part Number 1.99-35
Slitter set for cutting		-	Part Number 1.99-13

SCORING

It is possible to score work using the plug in perforator. The scorers are split in two halves, fitted to the upper shaft and set as shown in the drawing using the scale on the unit as a guide to position. The lower hubs are moved up to but just clear of the scoring blade. The actual gap is critical and may require some experimentation to obtain a satisfactory score line. As with perforating, the remaining hubs must be spread to support the sheet fully across its width.

Scorers available:

Type A	Part Number	6.99-05	for most card
Type B	Part Number	6.99-06	for deep score
Type D	Part Number	6.99-09	for paper

FOLDING CARD

For best results, the card material should always be printed cross grain as this causes less resistance when folding. Pre scoring of card stock is also recommended

By using the plug in perforator unit to deliver card, the problem of the stock curling will be minimised. Put the upper plate into the upper plate position and the plug-in perforator unit into the lower plate position. Plug in power connectors - upper into upper fold plate and lower into perforator unit.

Set the backstop, sheet measuring device and side guide to suit the work. Press the switch (W) down to Set-up and then up to Run. Plate 1 will automatically move to half the length of the stack of cover stock provided the sheet measuring device (AA) is in position. Fine adjustments may be necessary to upper plate as described in 'Fold Plate Manual / Fine Adjustment'.

It is recommended that when folding card, the machine be set to batch after twenty sheets, which will allow easy off loading. For longer runs an optional rear delivery belt stacker (Assy. No. 9-09-01) is recommended to be used.

In the event of a paper jam, the sensor will cut out the main switch. The main fold rollers are linked to a clutch, which will prevent sheets continuing to feed.

PAPER JAMS

If for some reason a piece of paper jams in the machine, remove and check inside the fold plates. If there is paper jammed around the fold rollers take hold of a roller and wind them by hand to remove the jam. If it is impossible to wind the roller by hand, remove the roller assembly as described below. After clearing a paper jam, always check inside the fold plate (see Fold Plate Section) to make sure no torn pieces of paper are jammed inside the plate.

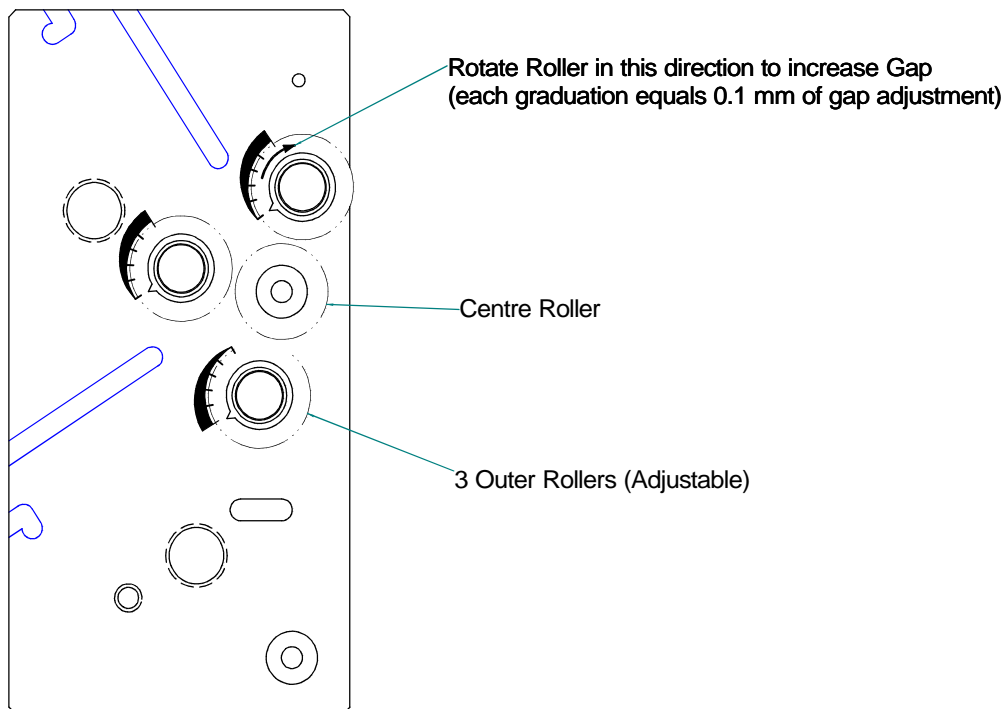
ROLLER ASSEMBLY - REMOVAL

The complete roller assembly unit can be removed from the machine simply by unscrewing the knobs (Y) on each side and taking hold of the rear roller and lifting out the unit. This is beneficial to clear paper jams, to clean the roller and for maintenance. With the roller assembly removed, the safety circuit prevents the machine from running. Replace the roller unit in the reverse sequence. Clean the rollers with a stiff brush between the grooves using QD wash supplied by Morgana.

ROLLER ADJUSTMENT

The unique fold roller design of your Morgana Docufold will fold most paper stocks without the need for adjustment. If you have a requirement to fold very delicate or thicker stock or re-feeding to produce a cross-fold the fold roller gap can be easily adjusted as follows: -

1. Remove the roller assembly from the machine as described above.
2. Loosen the Cap Head Screw on the operators side of the roller that you wish to adjust (any of the 3 outer rollers) using the 5 mm Bondus 'L' wrench provided & release the M8 lock nut on the non-operators side with the 13 A/F spanner provided.
3. Insert the 4 mm hex ball driver into the socket screw at the end of the roller shaft and rotate in the required direction to adjust the roller gap.
4. The graphics on the inside of the roller side plate show which way to turn the roller to adjust the gap relative to the centre roller.
5. Re-tighten the half nuts & cap head screws to lock the roller into position.
6. Repeat procedure for each roller that you wish to adjust and then replace the roller assembly into the machine.
7. Reset the roller tilt knob (AA) back to the zero central position and screw in the Clamping knobs (Y).



Section Through Roller Assembly

SENSOR CLEANING

The sensors to detect and count the sheets are located on the end of the ball holder just next to the fold roller unit. If the counter is failing, the sensors can be accessed for cleaning by removing the roller assembly as described above . Clean by using a soft brush or damp cloth.

FOLD PLATES - MAINTENANCE

The fold plates can be opened up for maintenance, cleaning, etc by removing the lock knob (H) and removing the two bolts (Z). The fold plate will then open up to enable paper jams to be removed or cleaning.

FOLDING TIPS AND TROUBLE SHOOTING:

SHEETS DIFFICULT TO FEED

Check that you have not got too many sheets in the feeder. Heavy-coated stock will not feed as high a pile as for example 80-gsm copier paper.

Make sure the moving side lay is not pushed in too tightly against the paper. Similarly, if the moving side lay is set too far away from the paper stack, this will allow the air to escape instead of blowing through the paper.

Make sure that the gap under the paper gate (B) is not set too low.

Turn the Air separation knob (E) to the high position.

Make sure that air distribution knob (D) is set correctly.

If the paper width varies you may need to trim the sheets to the same size.

If the paper is curling upwards the suction drum may not be able to pull the sheet downward to wrap around the drum for efficient feeding. You may need to bend the sheets downward prior to loading.

DOUBLE SHEET FEEDING

Make sure the gap under the paper gate (B) is not set too high.

Make sure the air distribution knob (D) and the air separation knob (E) are at the correct setting.

In extreme cases you may need to separate the sheets prior to loading.

Make sure you run on Pulse not Stream.

FOLD IS NOT SQUARE OR CONSISTANT

Check the sheets are all exactly the same size and are square before folding as you can only fold accurately if the material is consistent.

Make sure you have no foreign bodies such as fragments of torn paper inside the fold plates or the fold rollers.

Check that the fold plates are locked and located securely and that the roller tilt mechanism is set to zero and locked.

PAPER WILL NOT STACK CONSISTENTLY:

Make sure the feed is consistent before attempting adjustments to the stacker.

Set the stacking roller position as described in the manual. Sometimes a small repositioning of the roller will improve the stacking. See Stacking Roller.

If the paper is too curly when being delivered, place the catch tray and plug in perforating unit with blades disengaged into position and deliver out the back. This applies to single fold applications only. If two folds are required, you may need to reduce the weight of stock to achieve the desired results.

PAPER WILL NOT DEFLECT WHEN USING ONE FOLD OR PERFORATING:

Check to make sure that the second plate is being used as the deflector.

Make sure that the plate is located securely and that the deflector bar is wound right to the end.

Set the tilt roller mechanism to zero.

Check that the material is not too heavy to deflect.

TOTAL AND BATCH COUNTER NOT WORKING:

Clean the sensors as described in the manual.

O-LAP KEEPS APPEARING ON COUNTER BOARD

If the overlap keeps tripping in and cutting off the machine, first check you are not feeding doubles and reset the feeder.

Overlap tripping can also mean that the machine is slowing slightly which may mean the material is too heavy.

Check that you have no foreign bodies or torn paper stuck inside the plates or machine.

'NO PLATE' IN DISPLAY

Check fold plate or plug in perforator power connectors.

MACHINE WILL NOT RESET

Your Docufold is a mini computer; you must have a clean consistent power supply. Switch off at power switch (S), wait 20 seconds and re-power.

NO POWER TO MACHINE

If control panel display fails to come on, check that isolator switch (S) is not pressed in. To release, turn knob clockwise.

Check power supply to the machine.

MAIN SWITCH CUTS OUT:


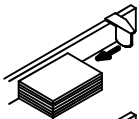



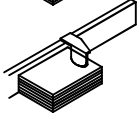









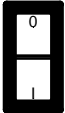





























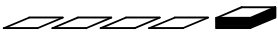
The feeder will cut out automatically after 100 seconds if the main switch is left on without the feed switch being activated.

The compressor inside the machine requires up to 28 amps to start running. You must have the machine plugged directly into a 30-amp ring main. Do not attempt to run the machine with an extension lead.

The main switch will cut out if you have a paper jam or overlap is indicated.

FOLD ROLLER REPLACEMENT:

Your Morgana Docufold has been designed to make fold roller replacement an easy and low cost operation. Your local sales agent will be able to supply you with a complete replacement roller assembly which allows you to change the roller assembly yourself as described in the roller assembly removal section of this manual. You will need to send back to your agent the existing roller assembly.

<u>CONTROLS</u>			<u>DISPLAY</u>	<u>INFO....</u>	<u>ACTION</u>	<u>WORK</u>
FOLD SELECTION						
			Sh 312			
			Sh 297			
			SL 297	<	LETTER.	
			SC 297	>	CONCERTINA.	
			Sh 297	<	HALF.	
			Sd 297	<	DOUBLE PARALLEL.	
			SE 297	>	ENGINEERING.	
			SG 297	>	GATE	
			P1...P6 297		SAVED USER DEFINED (P1 THROUGH TO P6)	
			  		PROCESSING...WAIT	
			 		PROCESSING...WAIT	
			SL 51		TEST SHEETS - 3 OFF	
			ChEc 3		CHECK TEST SHEETS.	
			SL 3		ACCEPT IF O.K. - IF NOT SEE OVER FOR MANUAL ADJUSTMENT	
			SL 4		RUN	

<u>CONTROLS</u>	<u>DISPLAY</u>	<u>INFO....</u>	<u>ACTION</u>	<u>WORK</u>
BATCH				
	<i>bAt</i>	<i>0</i>	ZERO COUNT ZERO BATCH - 2 SECONDS	
ZERO COUNT	<i>bAt</i>	<i>50</i>	SET BATCH QUANTITY	
	<i>SL</i>	<i>4</i>	RUN	
PULSE				
PULSE & STREAM				
	<i>SL</i>	<i>200</i>	PULSE - ALL FOLDS	
	<i>Cont on 200</i>			
STREAM				
	<i>SL</i>	<i>200</i>	STREAM - LETTER - HALF - DOUBLE PARALLEL	
PULSE				
FOLD PLATE & DELIVERY ROLLER ADJUSTMENT				
	<i>Pt1</i>	<i>97.7</i>	MANUAL ADJUST (BASED ON STD. FOLD)	
SELECT	<i>Pt2</i>	<i>98.9</i>	MANUALADJUST (BASED ON STD. FOLD)	
	<i>roLL</i>	<i>1</i>	MANUALADJUST (BASED ON STD. FOLD)	
	<i>UL</i>	<i>10</i>	NOTE DISPLAY CHANGE U = USER SETTING L = FOLD TYPE	
	<i>P1...P6</i>		CHOOSE STORE AREA (P1 THROUGH TO P6)	
	<i>StorEd</i>		STORE	
PROGRAM	<i>P5</i>	<i>47</i>	RUN	
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ITEM	PART NUMBER	QTY	DESCRIPTION
1	90 - 111	1	DOCU-FOLD MK2 OPERATORS MANUAL
2	90 - 018	1	ROLLER CLEANING KIT
3	620 - 006	1	ALLEN KEY - 3mm
4	620 - 007	1	HEX BALL DRIVER - 2mm
5	620 - 020	1	HEX BALL DRIVER - 2.5mm
6	620 - 004	1	HEX BALL DRIVER - 4.0mm
7	620 - 025	1	BONDUS 'L' WRENCH - 2.5mm
8	620 - 027	1	BONDUS 'L' WRENCH - 5.0mm
9	620 - 032	1	COMBINATION SPANNER - 13 A/F
⑩	1 - 99 - 35	1	ANVIL SET
⑪	1 - 99 - 41	1	PERFORATING SET - 56T - SLITTING
⑫	6 - 99 - 05	1	SCORING SET - TYPE A
13	617-004	5	GLASS BALL
14	613-316	1	POWER CORD - (EEC)
	650-015	1	POWER CORD - (USA)
15	624-018	1	DISPATCH BOX
16			
17			
18			
19			
20			

NOTES....

Some of the items shown in the illustration are accessories and may not be supplied with your model of machine. They may, however be available from your dealer.

WARNING.....

THE BLADES FOR ANVIL, PERFORATING, & SCORING SETS ARE SUPPLIED AS MATCHED PAIRS AND SHOULD NEVER BE MIXED-UP OR LEFT UN-PROTECTED AS SERIOUS DAMAGE WILL RESULT.

	DESCRIPTION	CODE
1	SCORING SET - TYPE A	6 - 99 - 05
2	SCORING SET - TYPE B	6 - 99 - 06
3		
4	PERFORATING SET - 20T SLITTING	1 - 99 - 10
5	PERFORATING SET - 20T SLITTING -HEAVY DUTY	1 - 99 - 11
6	PERFORATING SET - 28T SLITTING	1 - 99 - 12
7	PERFORATING SET - 56T SLITTING	1 - 99 - 41
8		
9		
10		
11	SLITTING BLADE SET	1 - 99 - 13
12	ANVIL SET	1 - 99 - 35
13		
14	PERFORATOR STRIPPER SET	98 - 018
15	SHEET SMOOTHER - STACKER	69 - 023 -3
16	PAPER PROFILE ROLLERS - SET(SPLIT)	6 - 99 - 36
17		
18		

ACCESSORIES....

....May be obtained from your dealer and fitted to your machine using the instructions supplied, or by consulting your operators manual.

OPTIONS....

....May also be obtained and fitted by your dealer. You should not attempt to fit options yourself as specialist tools and knowledge are required.

RECOMMENDED SPARES

Morgana

PART No.	DESCRIPTION
91 - 044	DRIVE BELT - Main
606 - 028	FOOT - Black
92 - 010	TRANSPORT BELT - Delivery
92 - 027-01	DRIVE BELT - Delivery - Flat 12mm
607 - 022	TWIN GRIP TIMING BELT
93 - 021	FEED BELT
93 - 022	DRIVE BELT - Vacuum Roller
607 - 027	TIMING BELT
93 - 028	SMOOTHER - Delivery
609 - 011	'O' RING
609 - 014	'O' RING
94 - 028	LOCK PIN ASSEMBLY - Side Lay
95 - 017	HOSE - Vacuum
95 - 018	HOSE - Separation Air
95 - 031	HOSE - Evacuation
95 - 032	HOSE - Exhaust
95 - 096	PCB DOCUFOLD CONTROL - LONG PLATE (EEC)
95 - 097	PCB DOCUFOLD CONTROL - IMPERIAL (USA)
613 - 137	PLUNGER & SPRING ASSY
613 - 255	SOLENOID COIL
613 - 365	EMERGENCY STOP SWITCH
613 - 376	SWITCH 10 AMP - 12v COIL - (EEC)
613 - 383	SWITCH 16 AMP - 12v COIL - (USA)
95 - 049	ROTARY ENCODER ASSEMBLY
95 - 020	LENS - Display
609 - 013	'O' RING
95 - 046	SWITCH ASSEMBLY - Reset/ Pulse / Stream
95 - 062	SWITCH ASSEMBLY - Feed
613 - 386	NUT COVER
613 - 237	CAP
613 - 385	KNOB
96 - 028 - 02	FOLD ROLLER ASSEMBLY - Standard
96 - 049 - 02	FOLD ROLLER ASSEMBLY - Bottom
96 - 031	DRIVE BELT - Large Roller Drive
601 - 021	MAGNETIC ACTUATOR
606 - 030	SCALLOP KNOB - Black
609 - 023	O'RING
97 - 101	PCB - Fold Plate Motor Drive
607 - 026	TIMING BELT
607 - 025	TIMING BELT
97 - 121	POT & LEAD ASSEMBLY
97 - 076	STEPPER MOTOR & LEAD ASSEMBLY

NOTE.....

The items listed above represent parts which are subject to wear, loss, or accidental damage, and is included for your guidance only.
 Section and Item numbers refer to the illustrations and tables in this manual.
 Replacement of most of the parts fitted to your machine requires specialist knowledge and should therefore be entrusted to your dealer.

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.

NOTES