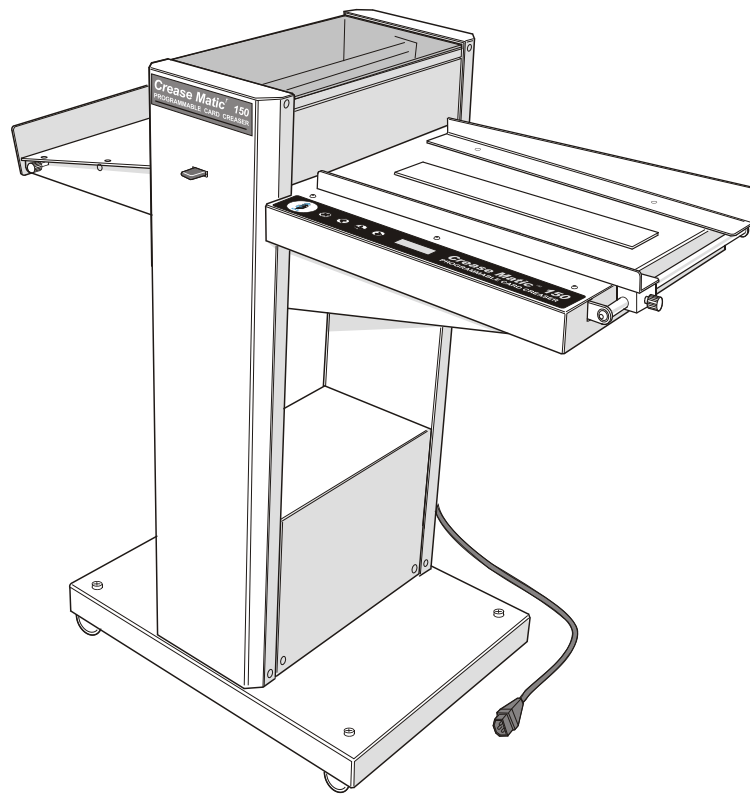


Crease Matic 150

Programmable Card Creaser



Crease Matic 150

The new Crease Matic 150 is a fully programmable card creaser developed specifically for the short to medium run digital print market. Designed and Manufactured in the UK. It bridges the gap between desk top card creases and suction fed models. Over 2000 sheets per hour can be stream-fed by hand – simply advance the sheet to the input rollers and the Crease Matic takes over.

Up to 9 creases per sheet can be programmed for card sizes A5 to SRA3 and 6-page A4. There is a memory function which holds up to 5 jobs, and a resetable sheet counter.

The creasing rule and matrix system prevents ink or toner cracking when folding digitally printed card. A slide-out, reversible creasing matrix allows card up to 350gsm to be creased.

The Crease Matic 150 is quiet in operation and the drive motor shuts down if not used for a period of time.

The floor-standing unit has wheels for ease of mobility and storage, and has a footprint of 103cm x 47cm. Operator loading height is 88cm, giving the operator a convenient loading position for feeding.

Crease Matic 150 Operation:

The creasing machine has five (5) programs that are saved on power down.

Each program may contain up to nine (9) crease positions. There is no limit to how close together, or how close to the sheet edge, the creases may be.

On power up, the creaser will check the position of the knife. If it is out of position, or there is paper present under the photocell, '9999' flashes on the screen. Press the > key to cycle the crease head and/or eject the paper.

The creaser is now in 'setup' mode. This is indicated by the presence of a decimal point in the last position of the screen. To change the job number through '1' to '5' press the < key. To view the contents of a program, press the > key.

If a program has been set previously, select the program, press the X key to exit from 'setup' mode to 'run' mode. The current crease settings will be briefly displayed and the feed motor will start. A green L.E.D. will illuminate under the top cover. This L.E.D. will go off whilst the sheet is being fed and will illuminate immediately the machine is ready for the next sheet.

To setup a new job, first press > to enter the setup mode, then press < to choose the program number it will be saved as, then press the ⏴ key. Any existing settings in this job will be lost. The feed motor will run.

- Feed a sheet into the creaser, its leading edge will be fed to the crease head and then the feed motor will stop.
- By pressing the < and > keys, the sheet may be fed to the position of the first crease. The position of the potential crease is displayed in millimetres from the leading edge or last crease.
- When the crease position is reached, press the ⏴ key and the crease head will operate.
- If another crease is required, press the < key to move the sheet to the next position and press the ⏴ key again. Repeat this for any further creases required.

Note: The feed motor drives forward quicker than it feeds backward, therefore to accurately position the crease, move the sheet backward to the final position.

- To save and exit this job setup at any time, press the X key. The current crease settings will be briefly displayed, the sheet ejected and the feed motor left running. A green L.E.D. will illuminate under the top cover and the decimal point in the last position of the screen will not be illuminated. The machine is now ready to be manually fed.

Crease Matic 150 Operation (continued):

In 'run' mode the feed motor and/or crease motor may be stopped at any time by pressing any of the four keys. To restart the feed motor, press the **X** key.

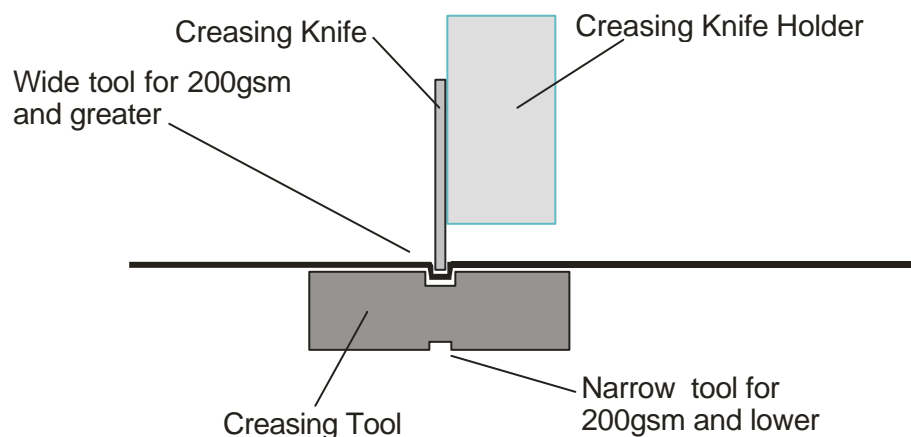
If the feed motor is stopped and the **<** key is pressed, the sheet counter is reset to zero.

If the feed motor is stopped and the **>** key is pressed, the machine will go back to 'setup' mode.

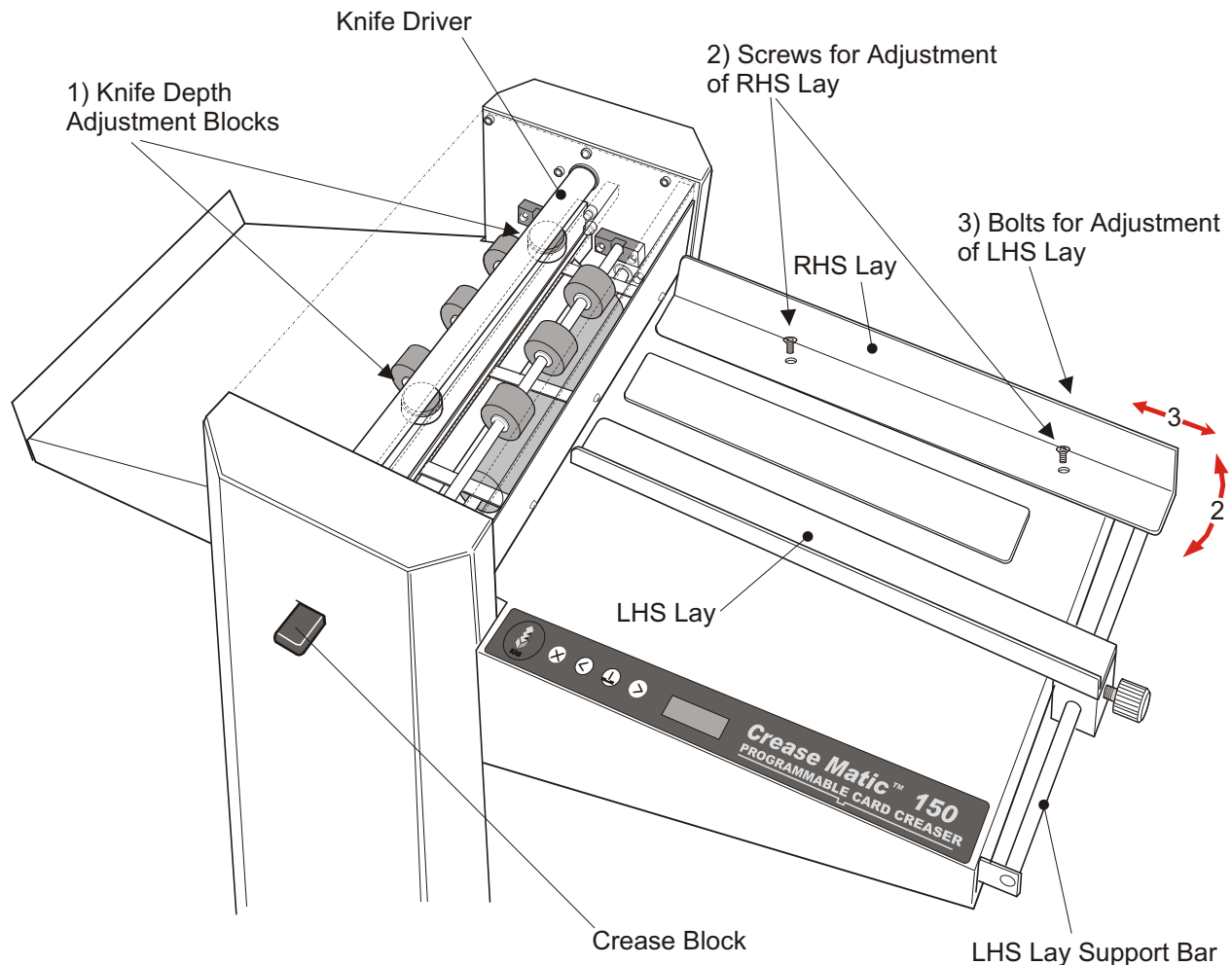
If the feed motor is stopped and the **⏏** key is pressed, the feed motor will run. The machine has entered 'edit' mode. This is indicated by the presence of a decimal point in the second position of the screen. This allows small changes to be made to the existing program. Creases may not be added or deleted in this mode.

- Feed a sheet into the creaser, it will be fed to the first crease position and then the feed motor will stop.
- By pressing the **<** and **>** keys the crease position may be adjusted. The position of the potential crease is displayed in millimetres from the leading edge or last crease.
- When the crease position is reached, press the **⏏** key and the crease head will operate. The feed motor will then feed the sheet to the next crease position (if there is one) or eject the sheet.

A slide-out, reversible creasing matrix allows card up to 350gsm to be creased.



Crease Matic 150 mechanical adjustment and maintenance:



Turn the Power off.

1) Knife depth adjustment: Using a 13mm spanner loosen the lock nuts on both adjusters. With the crease block set with the narrow tool up, turn the knife driver to bottom dead centre, driving the knife down. Set the adjustment blocks so that the creasing block has very little room to move, i.e. It does not rattle when moved but can be slid back out of the machine. Re-tighten the two lock nuts.

Do not adjust these two blocks so that the knife driver can no longer be rotated freely. After setting, rotate the knife driver by hand and ensure there is no 'sticking' point as the knife driver goes through the bottom of its arc.

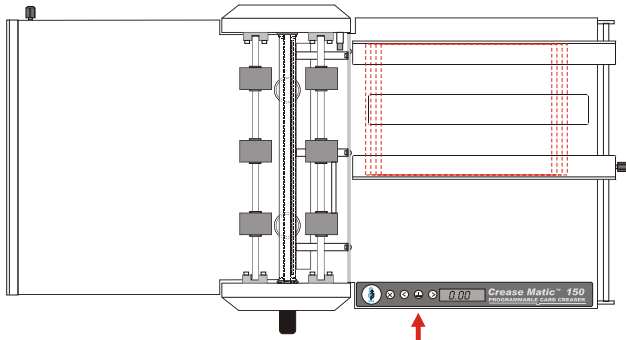
2) Right hand side lay adjustment: Using a flat head screwdriver, loosen the two countersunk screws in the side lay. The angle of the lay to the crease knife may now be adjusted. Re-tighten the two screws.

3) Left hand side lay adjustment: Using a 10mm spanner loosen the two bolts in the vertical panel beneath the right hand side lay. The left hand side lay support bar may now be move towards or away from the feed table to adjust the angle of the left hand side lay to the knife. Re-tighten the two bolts.

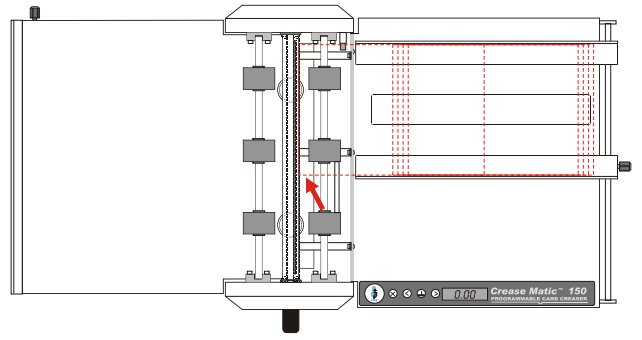
4) Periodically check to ensure that the two areas of the knife driver that contact with the knife adjustment blocks are lubricated.

5) Periodically clean the feed rolls to ensure an accurate crease position. A dry cloth should only be used.

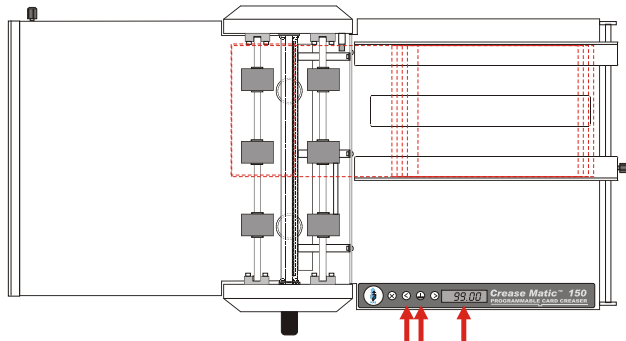
New Job Setup:



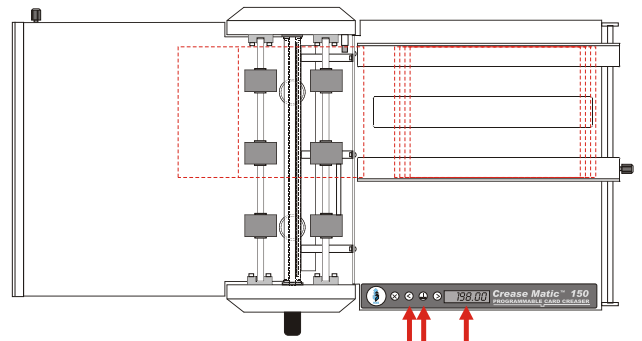
1. Ensure Crease Matic is in 'setup' mode. Decimal point in last position of screen and LED off. Select job number to program, then press 'crease'.



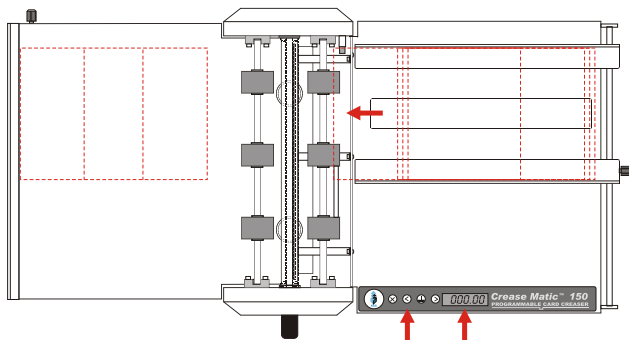
2. Push card gently to infeed wheels. The Crease Matic will feed the card to the creasing blade.



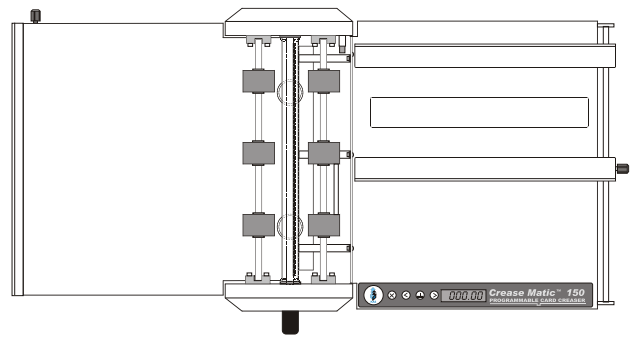
3. Press the 'left' key until distance from edge is reached (99.00mm). Press creaser button







4. Press forward again until distance from 1st crease is reached (198.00mm). Press creaser button







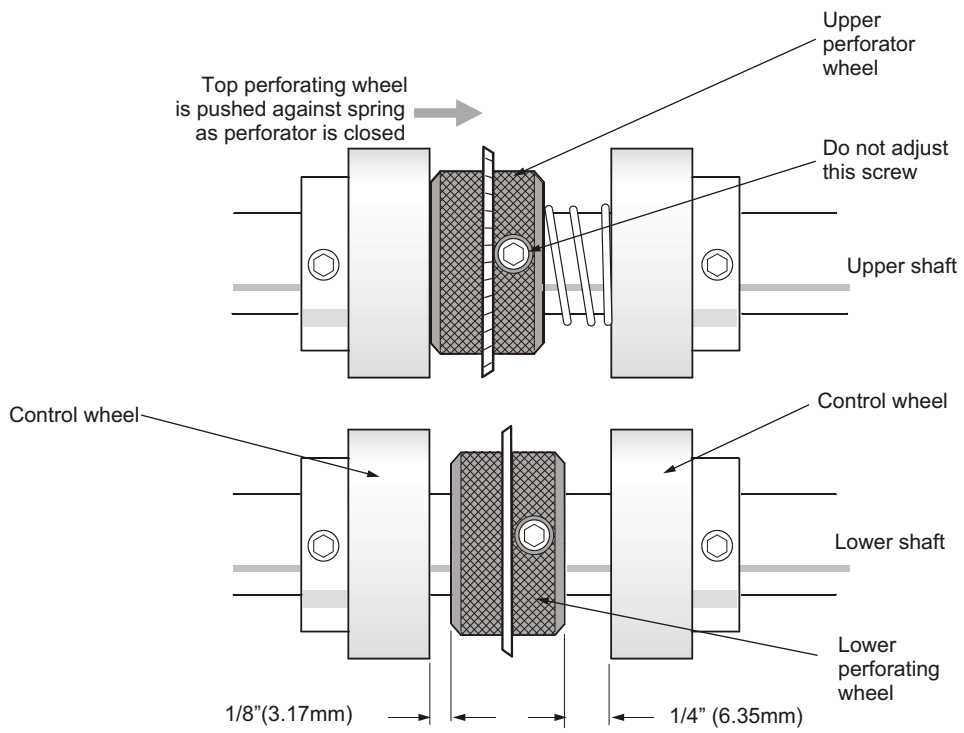
5. Press forward again until sheet is out onto the collection tray, the next sheet will now go in and the same creases will be repeated,



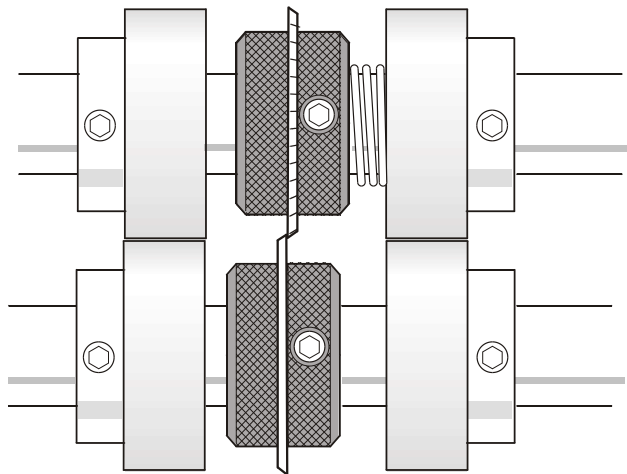
6. Press forward again until sheet is out onto the collection tray, the next sheet will now go in and the same creases will be repeated,

	CROSS 	LEFT 	CREASE 	RIGHT 
<i>Power on</i>	Reset memory Sensor to crease = 16		Edit sensor to crease distance setting	If '9999' displayed at start up. Press to reset knife
<i>Setup mode Last D.P. on screen</i>	Exit to run	Index job	Setup job	Display job
<i>Setup Last D.P. on screen</i>	Exit to run	Forward	Crease and save setting	Back (slow)
<i>Run mode Green LED</i>	Start Stop (if motor running)	Reset counter Stop (if motor running)	Edit job Stop (if motor running)	Exit to setup Stop (if motor running)
<i>Edit Second D.P. on screen</i>	Exit to run	Forward (dead slow)	Crease	Back (dead slow)
D.P. = Decimal point				Distances in millimetres

	CROSS 	LEFT 	CREASE 	RIGHT 
<i>Power on</i>				If '9999' displayed at start up. Press to reset knife
<i>Setup mode Last D.P. on screen</i>	Exit to run	Index job	Setup job	Display job
<i>Setup Last D.P. on screen</i>	Exit to run	Forward	Crease and save setting	Back (slow)
<i>Run mode Green LED</i>	Start Stop (if motor running)	Reset counter Stop (if motor running)	Edit job Stop (if motor running)	Exit to setup Stop (if motor running)
<i>Edit Second D.P. on screen</i>	Exit to run	Forward (dead slow)	Crease	Back (dead slow)
D.P. = Decimal point				Distances in millimetres

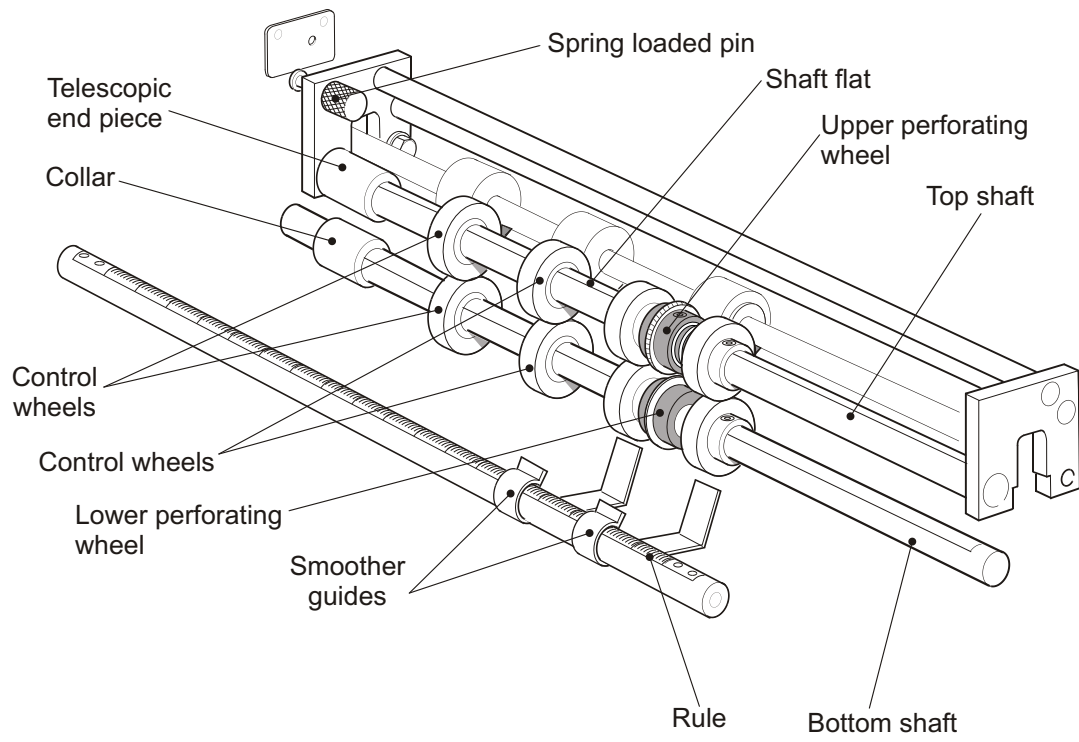


Position of Perforating wheels when in open position



Position of perforating wheels when in closed position

Perforator Set-up



Perforator unit