

Operator Manual

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100/140 Output Conveyor

Machine Specification Sheet

1. **CAUTION:** In order to ensure correct safety and operation, this machine must be installed and maintained by an authorised Service Engineer.
2. **CAUTION:** Should any cover or safety interlock be damaged, the machine must not be used until service repairs have been completed.
3. **CAUTION: This machine must be earthed.** The wire colours in the mains cord are:
(Green 115v) (Green/Yellow 230V) which must be connected to Earth (Ground).
(White 115v) (Blue 230v) which must be connected to Neutral.
(Black 115v) (Brown 230v) which must be connected to Live (Line).
4. **CAUTION:** This machine must not be used if the mains cord becomes damaged. It must be replaced with a similar mains cord:

(Part No. 162-321UL U.S.).
(Part No. 162-210 U.K.).
(Part No. 162-311 EURO).

6. Model Details:

	Model Name:	Output Conveyor
	Model Number:	1420
Input Voltage:	230 Volts @ 50 Hz	115Volts @ 60Hz
Input current:	0.84 Amps	1.68 Amps
Input Power:	200 Watts	200 Watts

7. The use for this machine is conveying filled envelopes from a mailing machine.
Sound Reading: 62dBA
(measured 1 metre from the nearest cover and 1.6 metres from the ground.)
8. The weight of this conveyor
18kgs.(packaged, with accessories)
13kgs.(unpacked, with accessories)
9. The weight of the conveyor stand
(2 off stands required)
12kgs.(packaged, each)
9.5kgs.(unpacked, each)
Lifting or handling must only be carried out by competent persons using appropriate means.

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Section 1 Technical Data

Standard

Dimensions:	Length:	770mm (30.½") excluding stacking tray 1100mm (43.½") including stacking tray
	Width:	260mm (10¼")
	Height:	820mm (32¼") including stand, fully raised 700mm (27½") including stand, fully lowered 100mm (4") excluding stand
	Weight:	18.5kg including stand

Long

Dimensions:	Length:	1,520mm (60") excluding stacking tray 1,850mm (73") including stacking tray
	Width:	260mm (10¼")
	Height:	820mm (32¼") including stand, fully raised 700mm (27½") including stand, fully lowered 100mm (4") excluding stand
	Weight:	32kg including stands

Section 2 Description of Operation

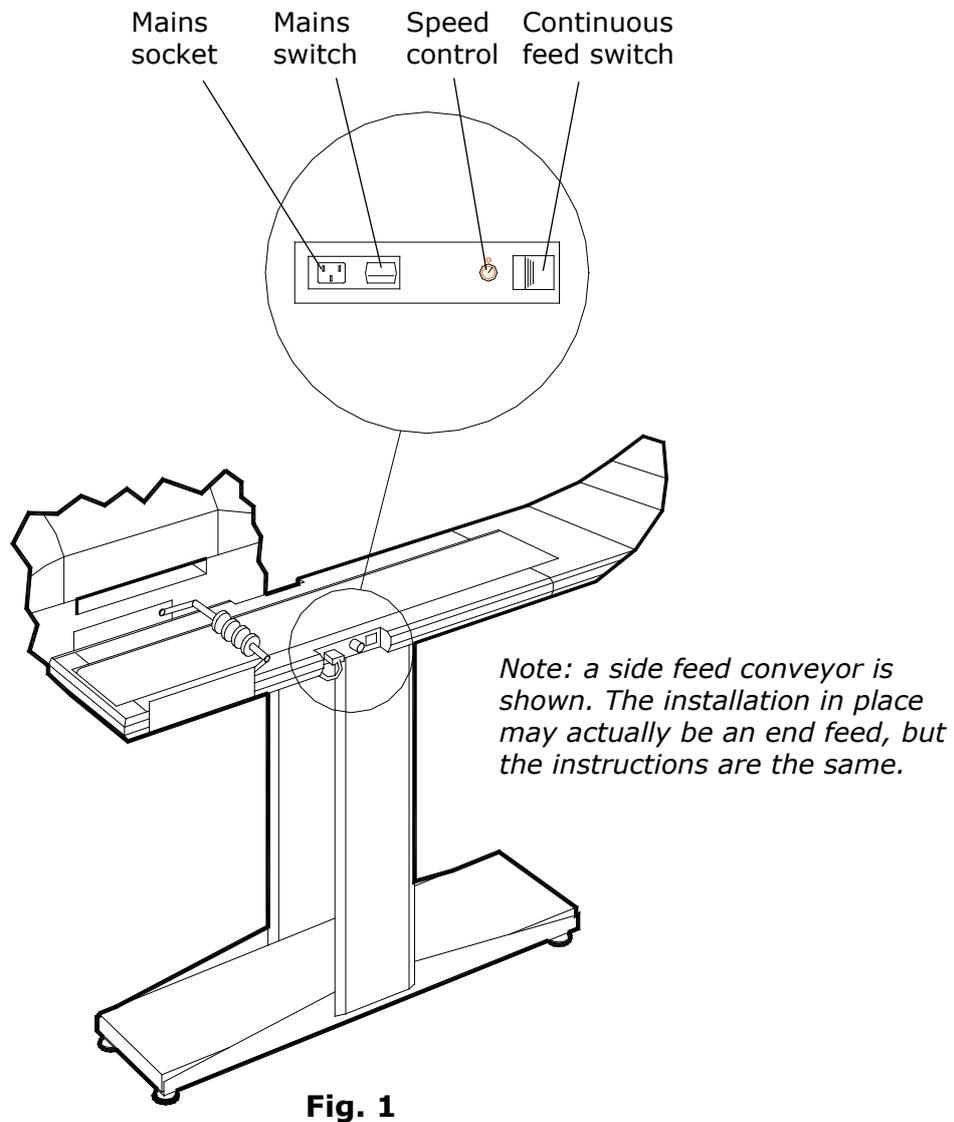
The function of the Output Conveyor is to receive filled envelopes from a 100/140 and feed them to the end of the conveyor for subsequent removal by an operator. The conveyor belt moves in indexing steps so that the envelopes overlap one another. The speed of the belt, and hence the amount of overlap, is variable and may be controlled by the operator.

The conveyor is designed for either end feeding (in line with the 100/140) or side feeding (at a right angle to the 100/140), the latter being reversible for feeding from either side. It is not attached to the 100/140, just positioned as required and left free standing.

Both standard and long lengths of conveyor are available. Both are covered by these Operating Instructions.

Section 3 Operating Procedure

3.1 Conveyor Basics



Referring to Fig. 1 above:

1. Ensure that the mains lead is plugged into the mains supply and also into the socket of the conveyor.
1. Ensure that the signal lead is plugged into the round DIN sockets between 100/140 and conveyor.
2. Turn on the mains switch on the conveyor. The conveyor is now prepared and will automatically operate when the 100/140 begins operating.

3.2 Side Feed Conveyors

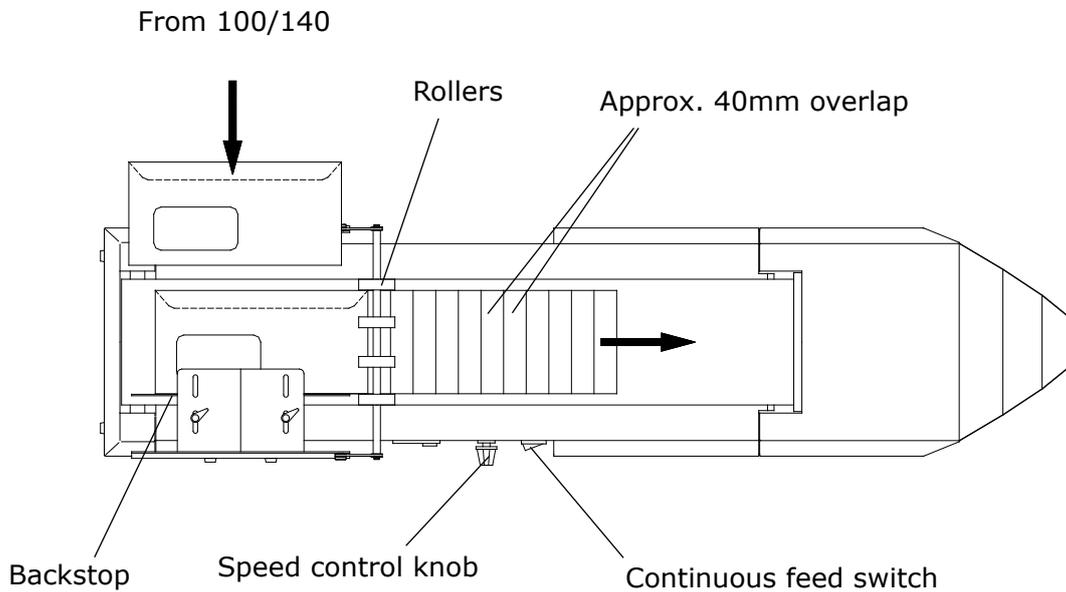


Fig. 2

Referring to Fig. 2 above:

3. Ensure that the rollers are in the forward position as shown. Adjust the backstop so that it contacts the leading edge of the envelope, as shown above. The bar attached to the backstop should allow the envelopes to slide onto the conveyor at a smooth angle - if required, adjust the conveyor forward or back.
4. As the envelopes feed onto the conveyor, adjust the speed control knob so that there is an overlap of approximately 40mm between the envelopes. Adjust this overlap if, for example, the envelope seams or flaps are catching on the edges of the window, or the envelopes are laying too thickly on the conveyor. Turning the knob clockwise increases the overlap and vice versa.
5. When the run has finished or the 100/140 is stopped, the conveyor will stop also. Press the continuous feed switch to advance the accrued envelopes to the end of the conveyor for easy removal. Note: the switch will only function while the conveyor is switched on.
6. When not in use, switch the conveyor off.

3.3 End Feed Conveyors

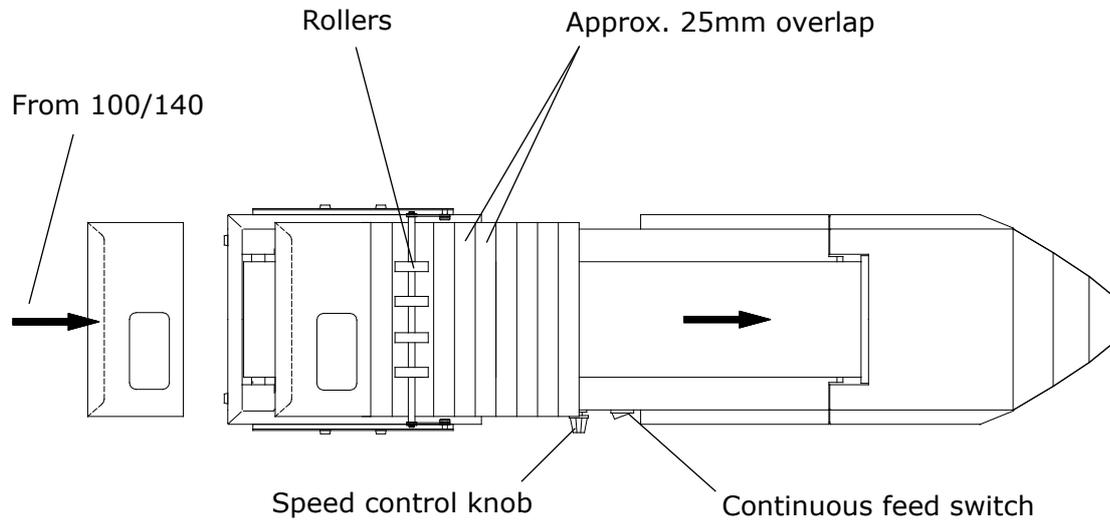


Fig. 3

Referring to Fig. 3 above:

3. Ensure that the rollers are in the rearward position as shown.
4. As the envelopes feed onto the conveyor from the 100/140, adjust the speed control knob so that there is an overlap of approximately 25mm between the envelopes. Adjust this overlap if, for example, the envelope seams or flaps are catching on the edges of the window, or the envelopes are laying too thickly on the conveyor. Turning the knob clockwise increases the overlap and vice versa.
5. When the run has finished or the 100/140 is stopped, the conveyor will stop also. Press the continuous feed switch to advance the accrued envelopes to the end of the conveyor for easy removal. Note: the switch will only function while the conveyor is switched on.
6. When not in use, switch the conveyor off.

Section 4 Operator Maintenance

Accumulated grime can build up on the surface of the conveyor belt, and this should be cleaned from time to time using a damp, soapy cloth or sponge. Clean the complete surface of the belt - it can be moved round using the continuous feed switch when the mains switch is on.

At the same time, the output sensor should be cleaned using a non-flammable airduster such as that supplied with the mailer (see fig.4 below, showing front end of the 100/140 with the output cover opened). Note that the sensor is in two halves, and both parts must be cleaned (on the opening cover, it is located on the bottom edge below the roller as shown below).

If operating faults occur, always clean the sensor before contacting the Service Department.

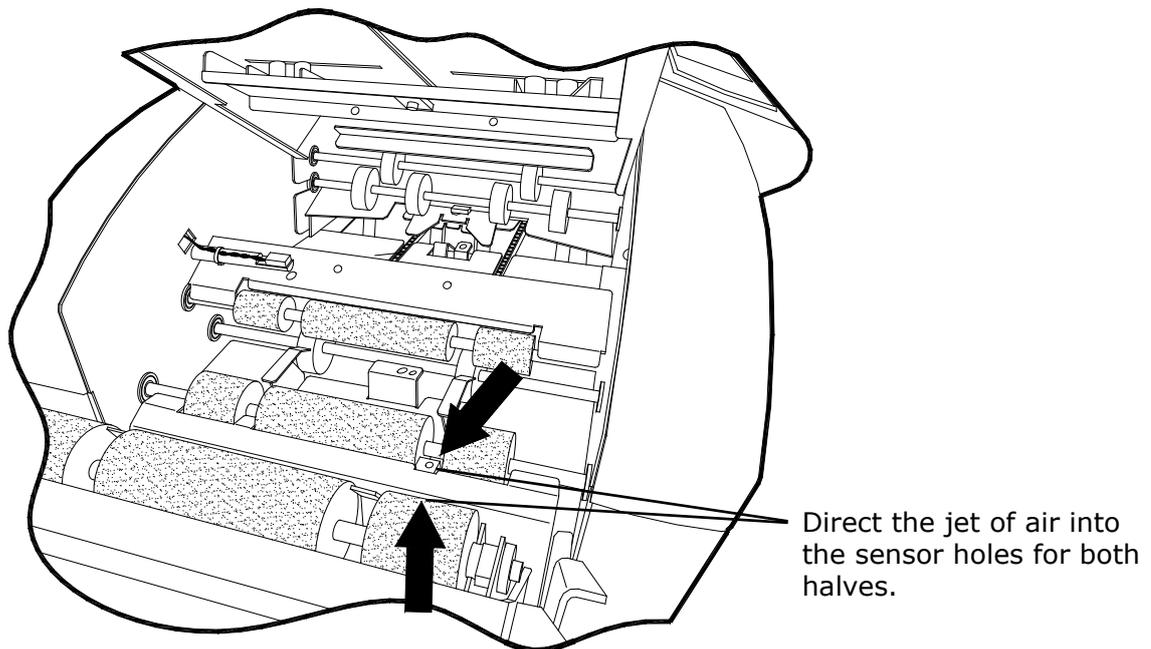


Fig. 4

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