

EasyPack SpiralPro®

Model 141 Operating Manual 14-OM001-2



Easypack SpiralPro®

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Safety Information



It is important that this machine is installed, maintained and used correctly to avoid the risk of injury.

This machine contains dangerous voltages and rotating mechanical parts.

- Use the Machine only for the purposes described in the Instruction Manual.
- The Machine uses a 220-240V (±10%) single-phase AC supply.
- To protect against electrical shock, do not immerse the Machine, plug or mains cable in water or spray with liquids.
- Unplug from the electrical supply when not in use.
- This Machine is to be used only by trained personnel.
- Do not operate this Machine with a damaged mains cable or plug.
- To disconnect from the electrical supply, grip the plug - do not pull on the mains cable.
- Do not operate without the guards properly in place.
- The Machine is to be serviced or repaired only by suitably trained or qualified personnel.



THIS MACHINE MUST BE EARTHED.

The wires in the mains cable are coloured as such:

Green / Yellow	Earth
Blue	Neutral
Brown	Live



The serrated paper cutter fitted to this Machine is a simple, safe method of cutting the paper. **Do not** insert fingers into the nozzle aperture beyond the serrated paper cutter as injury may be sustained. In the unlikely event that paper does not feed properly through the nozzle, see page 13 'Troubleshooting Guide' to see how to clear jams safely in this area.

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Description and Purpose of Machine

The Easypack Spiral Pro generates continuous spiral tubes of packaging paper that can be easily formed and shaped to offer cushion protection as well as cost-effective void fill.

With feed rates up to 99 metres per minute, the spiral paper tube lengths are fully selectable by the packer and can easily be reprogrammed to any length.

The Spiral Pro is operated via a convenient footswitch, with the paper cut to length by the tear-off serrated cutting edge.

The Machine is of rugged design and construction and its stainless steel finish is quickly wiped over for cleaning purposes.

The Machine is designed to meet EC safety standards and requires connection only to a suitable electrical supply.

The average noise level whilst feeding paper is 77dB(A). The maximum noise level does not exceed 80 dB (A).



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Installation



The Machine must only be installed and operated in an area that is suitable for its use.

Temperature	Min 0°C, Max 40°C
Humidity	85% RH or less
Vibration	Do not install the Machine in an area where it is likely to be subject to constant vibration.
Shock	Do not drop the Machine or expose it to sudden shock.
Atmospheric Pollution	Do not install the Machine in an area that is subject to water hazards, condensation, excessive dust or other atmospheric contaminants.

- Carefully remove all packaging materials from the top of the transit box.
- Lift out the box of paper that is provided with the Machine.
- When lifting the Machine from the box, be aware that it weighs 16kg and that one end is heavy. Ensure the cables will not snag on the box before lifting.
- Clamp the machine to a bench top, tightening the clamp screws fully with a 19mm A/F spanner. **Do not overtighten**, as this may strain the clamp.



The Machine must be securely mounted, using only the clamp provided, to a bench of suitable strength and rigidity that will support the Machine fully in use. Heavy duty steel-framed benches, fitted with laminated timber or composite surfaces are ideal. The clamp will fit to surfaces up to 97mm (3¾”) thick.

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Installation

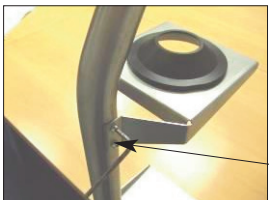


- Ensure that the Clamp is fully seated against the edge of the bench surface. Remove and discard the polythene transit bag fitted over the head of the Machine.



- Loosen the screws attaching the upper and lower box supports to the Support Post using the 4mm A/F Hexagon Wrench supplied.

Loosen these screws



- Rotate the supports to the horizontal position. Fit the further screws supplied to secure the supports, and fully tighten all screws.

4mm A/F Hexagon Wrench



- Cut the cable tie and detach the mains and footswitch cables from the machine.



- Locate the footswitch on the floor in a suitable position where it cannot accidentally be actuated.
- Installation

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Adjusting the Height and Position

- To achieve the required delivery position the height of the Machine and its rotated position can be adjusted by releasing the M10 cap head screw on the bench clamp.
- The post may then be slid up or down in the clamp to set the preferred working height, and the Machine may be rotated to the required working position.
- Retighten the M10 cap head screw.



8mm A/F Hexagon Wrench



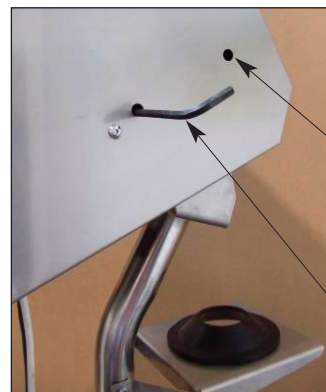
It will be necessary to support the entire weight of the Machine when adjusting the height and position.

Support the Machine fully before releasing the screw.

The total weight of the Machine and paper box is approximately 20kg.

Adjusting the Feed Angle

- The angle at which the paper is fed from the Machine may be adjusted.
- Remove the four blind grommets from either side of the guards, and insert a 5mm A/F hexagon wrench through each hole, releasing the screw fitted within.
- Rotate the Machine to the desired position and lock with all four fixing screws.
- Replace the grommets.



Remove grommets from these holes

5mm A/F Hexagon Wrench



On releasing the third or fourth screw, the Machine will rotate downwards under its own weight.


Carefully support the front of the Machine before releasing the screws.

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Adjusting the Paper Feed Lengths

- The Machine has been designed with three pre-set feed lengths, and one adjustable feed length.
- Paper feed lengths are determined by the position of the selector switch on the front of the Machine.



- In position  paper will feed continuously whilst the footswitch is operated.
- In position 1, a length of paper approximately 0.5m (20") will be fed.
- In position 2, a length of paper approximately 1.25m (49") will be fed.
- In position 3, a length of paper approximately 2.0m (79") will be fed.
- Position 4 provides an adjustable length of paper between 0.2m (20") and 9.0m (354") long. This length is set at the factory at 2.75m (108").



Resetting of the feed length at position '4' requires access inside the Machine, which should be undertaken by trained personnel only.

Ask your Easypack Service or Installation Engineer to set the adjustable feed length to your specific requirements.

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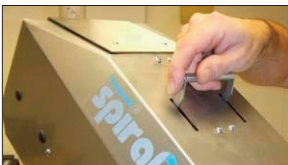
Instructions for Use



- Insert the box of paper into the box holder at the rear of the Machine
- The aperture must be at the top.
- Slide the box fully forward.



- Withdraw the paper from the centre of the roll through the Paper Nozzle.



- Lift the Drive Release Lever.



- Raise the Rear Guard to expose the Paper Feed Tube.



- Withdraw approximately 700mm of Spiral paper tube through the Paper Nozzle.

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Instructions for Use



- Feed approximately 200mm of Spiral paper tube down the Paper Feed Tube until resistance is felt.
- Do not force the Spiral paper tube in to the Paper Feed Tube.



- Close the Rear Guard.
- Any surplus paper looping out at the rear will disappear when the Machine runs.



- Lower the Drive Release Lever fully (some resistance may be felt — this is normal).
- The Machine is now loaded and ready for use.



- Connect the mains lead to the electrical supply
- Switch the power on at the Mains Switch.
- Power 'ON' is indicated by a red neon in the switch.



- Select the length of Spiral paper tube required using the rotary selector switch.

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Instructions for Use



- Feed paper by depressing the footswitch.



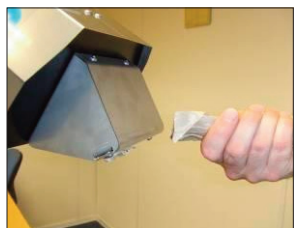
- When the selector switch is set to the first position, indicated by the footswitch symbol, paper will feed continuously for as long as the footswitch is depressed.
- When the footswitch is released, paper feeding will stop.



- When the selector switch is set to positions 1, 2, 3 or 4, pre-set lengths of paper will be fed by the Machine.
- When the footswitch is depressed, the Machine will deliver the pre-set length.
- Keeping the footswitch depressed, or releasing it immediately has no effect on the pack length.



- To cut the paper, grip the tube close to the nozzle
- The cutter is suitable for left and right handed operators.



- Cut the paper with a sharp upwards twist-and-pull action against the serrated edge.
- The paper is ready to feed another length instantly.



Maintenance

- Always unplug the Machine before clearing a jam or cleaning the Machine.
- Do not allow the mains cable or footswitch cable to become damaged. If in doubt, unplug the Machine and contact your local Easypack office.
- Do not allow water or other liquids to drip on or into the Machine.
- If the Machine fails to operate, check the Troubleshooting Guide on page 13.
- If the Machine still fails to operate after checking against the Guide, contact your local Easypack office.
- There are no user serviceable parts inside the Machine.

Specifications

Dimensions (L x W x H)	446 x 213 x 1170mm
Weight (without paper)	16.5kg
Power Consumption	80vA
Fuse Rating (PCB)	1A
Fuse Rating (Mains Plug)	3A
Feed Angle	0° (horizontal) - 50° depression (fully adjustable)
Nozzle Height	710mm - 992mm (nozzle horizontal) above bench level, fully adjustable

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Troubleshooting

SYMPTOM	CAUSE	REMEDY
Box does not fit into box holder:	Paper box is damaged. Paper box is not properly closed or flaps are open.	Replace box Close flaps fully or replace box
Paper does not pull easily from roll:	Paper roll is damaged at either end.	Remove damaged portion of roll and retry
	Box is not fully seated in box holders	Seat box fully in box holders
Paper tears at the box nozzle:	Paper roll is damaged at either end.	Remove damaged portion of roll
	Box is not fully seated in box holders.	Seat box fully in box holders
Paper fails to load:	Paper not pushed fully into machine.	Reload paper, pushing fully into machine.
	Paper end ragged, twisted or unwound.	Trim end of paper and reload.
	Drive release lever not in fully closed (forward) position.	Close drive release lever
Machine will not run:	Machine is not plugged in and switched on at socket. Power switch is not ON (red indicator alight) Paper Jam (Unplug Machine before attempting to clear)	Plug in & switch on. Switch on power switch Pull jammed paper through or backwards out of machine. Carefully clear any paper scraps away from drive and reload paper. Wait for motor to cool down (resets automatically).
Machine runs but no paper feeds:	Paper not loaded properly. Paper box empty. Drive release lever not in fully closed (forward) position.	Reload paper Fit new box of paper Close drive release lever
Machine jams:	Paper restricted at output.	Remove restriction
	Non-standard paper in machine.	Only use genuine Easypack Spiral paper rolls.



Servicing

For all breakdowns, servicing and repairs, contact your local Easypack Office. See Page 16 for contact details



**EC MACHINERY DIRECTIVE
98/37/EC**

DECLARATION OF CONFORMITY

We hereby declare that the machinery described below complies with all the relevant provisions of the EC Machinery Directive, and the National Laws and Regulations adopting this Directive.

Manufacturer: Easypack Ltd
Address: Unit 1, The io Centre,
Arlington Business Park
Stevenage
Herts
SG1 2BD
England

Description of Product: Easypack Spiral Pro.

Model No. & Serial No. 141

Directives complied with:

Machinery Directive 98/37/EC

EMC Directive 89/336/EC

Low Voltage Directive 73/23/EC

Harmonised European Standards applied:

*BS EN 292-1:2003 Safety of Machinery
Basic Terminology and Methodology*

*BS EN 292-2:2003 Safety of Machinery
Technical Principles*

*BS EN ISO 60204-1 Safety of Machinery
Electrical Equipment of Machines
General Requirements*

Signed 

Date 30th March 2007

Name M. Kempster

Position M.D.

Being the person responsible appointed by the manufacturer

March 2007