

Easypack **Packmaster**TM

Model 231 **Operating Manual 10-OM105-1**



Original (English)

Easypack **Packmaster**TM

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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 Operating Manual.
- This machine is to be used only by trained personnel.
- Do not operate without the guards properly in place.
- The machine is to be serviced or repaired only by Easypack Ltd.

Always switch off the machine from the mains supply before freeing paper jams or removing the top cover.

The machine is fitted with motor driven cut-off blades which operate automatically at the end of each cycle. Serious operator injury could result if hands are inserted through the outfeed flap. Care must also be taken to keep hands away from the paper entry slot and drive wheels to avoid trapping fingers.

The machine can be stopped at any time by pressing the red (0) switch. This cuts off the electrical supply to the control panel and motors.

For safety reasons a sensor on the outfeed flap prevents the machine from being started with the flap in the open position.

A safety switch also prevents the machine from being run with the top cover removed or the paper off-cuts door open. A neon indicator in the mains power switch illuminates when electrical power is connected.



- The machine uses a 230V ($\pm 10\%$), 50Hz, single-phase AC supply.
- To protect against electrical shock, do not immerse the plug or mains cable in water or spray with liquids.
- Unplug from the electrical supply when not in use.
- 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.

THIS MACHINE MUST BE EARTHED

The wires in the mains cable are coloured as such:

Green / Yellow	Earth
Blue	Neutral
Brown	Live

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Description and Purpose of Machine

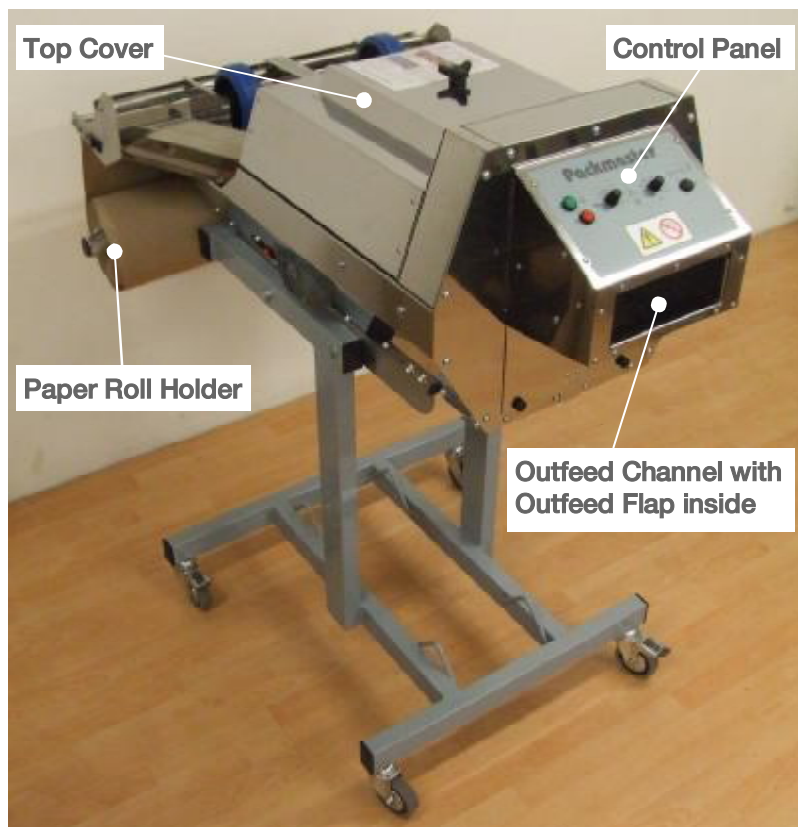
The purpose of the Easypack Packmaster machine is to produce tough, resilient cushions of recyclable packaging material.

The machine is loaded with a two ply roll of paper. As the material passes through the machine it is formed and shaped to produce a continuous cushion which is cut off to the selected length.

The cushion material has excellent bulk properties which makes it ideal for void filling throughout the packaging operation.

The cushion is multi-cellular to resist impact forces and is readily moulded to cocoon even the most awkwardly shaped objects and protect them from damage in transit.

The machine is of rugged design and construction and its stainless steel finish is quickly wiped over for cleaning purposes. The sub-frame is mounted on castors to facilitate movement to a new area.



The machine is designed to meet EC safety standards and requires connection only to a suitable electrical supply. Noise levels do not exceed 70 dB(A).

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Specification and Installation

Specification

Dimensions (machine)	1305mm (L) x 765 (W) x 550 (H)
Dimensions (frame)	1025mm (L) x 840 (W) x 885 (H)
Weight (machine)	123 kg
Weight (frame)	24 kg
Voltage	230V (±10%), 50Hz
Max Power	720W

Installation



The machine should be positioned in the packing area allowing ample space for loading the rolls of paper.

Activity around the machine should not put the mains supply cable and foot switch line in danger of sustaining damage or being a trip hazard.

Do not attempt to wheel the machine over uneven surfaces or at a speed greater than a slow walk. The machine is top heavy when mounted on the frame.

Temperature	Min 5°C, Max 40°C
Humidity	10 to 90% RH
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.
Location	It is important that the supporting floor is flat and level.

Lifting / Transporting Instructions

The machine must be securely strapped to a pallet for transporting safely. The machine and frame weigh 147kg.



Connections

The machine must be connected to a 230V, 50Hz, 1-phase electrical supply. The machine must be earthed. No other services are required. Maximum power consumption is 720W.



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Machine Controls

Control Panel

On Button Machine on Light Yellow Indicator Light Machine Ready Light



Off Button Selector Switch Red Warning Light Length Dial Reset Button

On Button	Press the green (I) on button to switch the machine on.
Machine On Light	Illuminates when the machine is switched on.
Off Button	Press the red (O) off button to switch the machine off.
Length Dial	The cushion length can be adjusted from 25 to 200cm long.
Selector Switch	This switch is used to select foot switch, semi-automatic or continuous operation of the machine. The number of cushions required is selected by rotating the switch to the 1, 5, 10, 20 or entire roll position.
Reset Button	This button is pressed to initiate the cycle for semi-automatic and continuous operation.
Machine Ready Light	Indicates the machine is ready for operation when lit.
Red Warning Light	If the machine stops unexpectedly and the red light is on, this indicates either the knife blade is jammed, a paper mis-load, or a paper jam in the feed gears (in conjunction with flashing yellow).
Yellow Indicator Light	Illumination indicates that the reset button can be pressed to initiate the feed cycle. This also flashes on each cut of the knife blades.

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Pre-start Checks



The machine is connected to the mains supply, switched on and the neon indicator is illuminated.



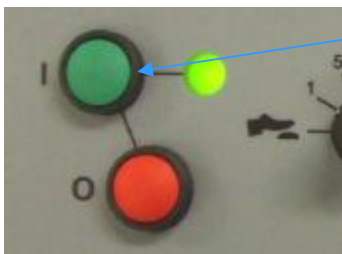
The footswitch tube is connected to the machine.



The machine is loaded with a roll of paper.
(See next page for loading paper)



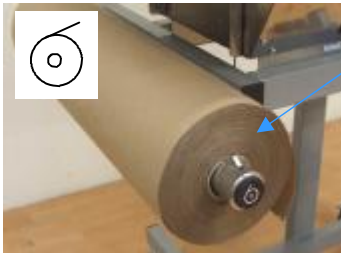
The paper cushion can discharge from the outfeed channel without any restriction.



Switch the machine on by pressing the green "I" button.

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Loading Paper



Noting the unwind direction, slide a new roll of paper onto the paper arm until the sprung retaining latch springs up.

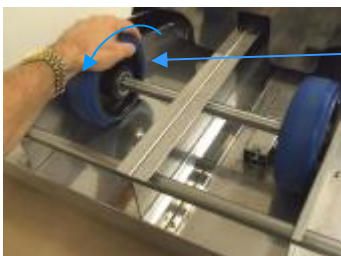


Pull approximately 70cm of paper from the roll.

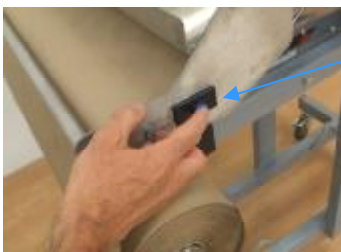
Separate the two sheets of paper and feed between the guide rods as shown.



Feed the two sheets of paper into the entry slot.



Rotate the wheels by hand for about half a turn to feed-in and grip the paper.



Press and release the blue feed button - the paper will load automatically.

The machine ready light will illuminate on the control panel.

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Instructions for Use



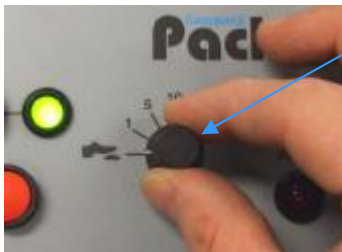
Do not insert hands through the outfeed flap inside the outfeed channel - risk of serious injury from motor driven cut-off blades.

Footswitch Operation

A paper cushion is generated continuously by holding down the foot operated switch.

Releasing the footswitch stops the feed and causes the cushion to be cut off.

In this mode the dial length setting is overridden.



Set the selector switch to the “footswitch” position.



Remove any material from the outfeed channel and ensure the outfeed flap is closed.



Depress and hold down the footswitch.

Release the footswitch when the required length of cushion is produced.

Remove the cushion from the machine.

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Instructions for Use

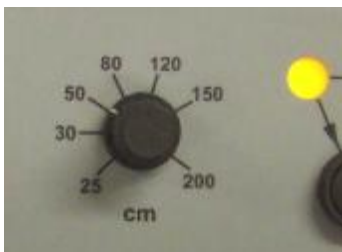
Semi-automatic Operation

Every time a length of paper cushion is removed from the outfeed channel the machine produces another cushion. The length is set by the length dial.

The footswitch can be used in this mode to override the length dial setting and produce a longer length. When the machine starts to produce a paper cushion, press the footswitch to create the required length.



Set the selector switch to the “1” position.



Adjust the length dial to the required cushion length.



Remove any material from the outfeed channel.

Press the black button to initiate the cycle.



Remove the cushion from the outfeed channel.

A new cushion is produced automatically every time a cushion is removed.

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Instructions for Use

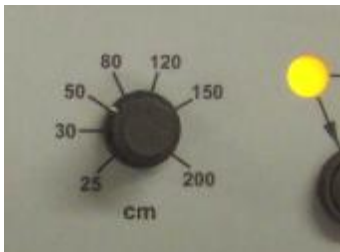
Automatic Operation

Lengths of paper cushion are produced continuously to the set quantity and length.

If the machine needs to be stopped whilst running a set quantity, move the quantity selector switch to another setting. To restart, select the required quantity, remove the cushion and press the black button.



Set the selector switch to the quantity required.
(5, 10, 20, or entire roll position).



Adjust the length dial to the required cushion length.



Remove any material from the outfeed channel.

Check there is ample space for the packs to discharge from the outfeed channel.

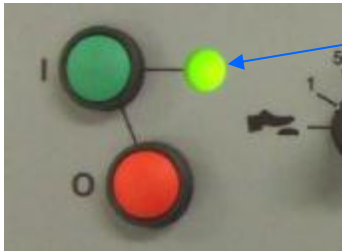
Press the black button to initiate the cycle.



The machine will produce the set number of cushions continuously.

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Instructions for Use



The machine will only operate when the machine ready light is illuminated.

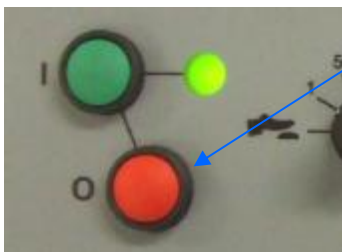
The machine will stop when the paper runs out. The machine ready light will extinguish and the tail end of the paper will be automatically run out of the machine.



The machine will not switch on, or run with the top cover removed or the paper off-cuts door open.



The machine will not switch on or start if the outfeed flap is open.



The machine can be stopped by pressing the red "O" button.

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Packing the Product



For packing larger objects, it is recommended that two lengths of cushion material are placed so that they cross over in the bottom of the box to provide a double thickness beneath the item.



Cushions should be of sufficient length to wrap right round and over the top of the item.

Some compression of the material is needed to produce a firm pack.



For smaller items, a material feed should be selected to produce a cushion or cushions of sufficient length to adequately wrap fully around the item.



All edges should be well protected by a thick pad of cushioning material. No exposed areas of the item should be visible.



Layers of cushion material can be used to line the bottom and sides of transit cases, and for void filling as required.

The cushion material may also be rolled up to produce void fill for large spaces.

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Clearing Paper Jams



**For safety, switch off the mains supply to the machine before clearing paper jams.
Keep fingers away from the edges of the cut-off blades.**



Paper Feed Jam

Indicated by red warning light and flashing yellow light.

Unscrew the black plastic retaining knob in the centre of the top cover.



Lift off the top cover.



Unscrew the two black handles clamping the top crimp gear assembly down.



Lift the top crimp gear assembly up and back out of the machine.

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Clearing Paper Jams



Cut the paper across the web, with a knife, at the infeed guide rods.

Lift the front end of the inner paper former and remove all paper. Check that no paper pieces remain in the folding area, the crimping area and the outfeed channel.



Refit the top crimp gear assembly ensuring the black clamping handles are screwed down tight.



Refit the top cover.

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Clearing Paper Jams



**For safety, switch off the mains supply to the machine before clearing paper jams.
Keep fingers away from the edges of the cut-off blades.**



Blade Jam
Indicated by red warning light.

Remove the top cover and top crimp gear assembly (see p.14).



Remove the blade lifting tool from the right hand body panel.



Hook the bent tab of the blade lifting tool under the lifting lug on the blade.

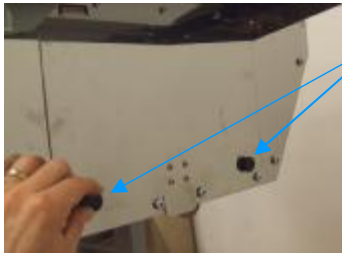


Pull the blade up as far as possible.

Clear out any paper from under the blade.

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Clearing Paper Jams



Unscrew the two black knobs securing the access door under the outfeed channel.

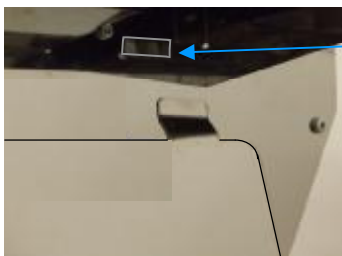


Remove the paper off-cuts access door by pulling the tab at the bottom of the panel.

Pull the tab outwards to disengage the safety switch and then lower the door panel to release the tabs at the top of the door.



Remove any paper off-cuts from around the blade mechanism.



Replace the off-cuts access door taking care to engage the tabs at the top of the door into the rectangular slots in the front panel.



Refit the top crimp gear assembly and top cover.

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Troubleshooting

Fault	Check
Power indicator not lit on mains switch of machine.	Machine is connected to the mains supply. Mains supply is switched on. Fuse in machine is okay. Fuse in mains plug is okay.
Machine will not switch on (control panel).	Power indicator is lit. Outfeed flap is closed.
Machine stops with red warning light lit and yellow light flashing.	The paper has loaded correctly and a length of paper cushion has come out the machine. If paper has jammed in the feed gears.
Machine stops with red warning light lit.	If paper has jammed in the blades.
Machine stops with red warning light flashing.	If paper has caught inside the machine (paper has not come out of the outfeed channel).

If the above information does not clear the fault, contact Easypack for further assistance on 0845 838 0168. Please have the serial number of the machine available.

The machine is the property of Easypack Limited and under no circumstances is a customer to attempt to carry out any dismantling other than removal of the top cover or paper off-cuts door to clear a paper jam.

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EC DECLARATION OF CONFORMITY

We declare that the following machinery complies with the essential health and safety requirements of the Machinery Directive 98/37/EC, the Electrical Equipment Directive (LVD) 73/23/EEC and its amendments and the Electromagnetic Compatibility Directive 89/336/EEC and its amendments.

Manufacturer: Easypack Ltd
Address Unit 1, The io Centre, Whittle Way,
Arlington Business Park, Stevenage, Hertfordshire,
SG1 2BD, England
Description of Product: Packmaster
Model No. & Serial No. 231

The following transposed harmonised European Standards have been used:

EN 12100: 2003 (parts 1&2)	Safety of Machinery - Basic concepts, general principles for design
EN 13857: 2008	Safety of Machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs
EN 60204-1: 2006	Safety of Machinery - Electrical equipment of machines - General requirements
EN 61000: 2007 (part 6-1)	Generic standards - Immunity for light-industrial environments
EN 61000: 2007 (part 6-3)	Generic standards -Emission standard for light-industrial environments

Signed: 

Date: 20/01/2011

Name: T.J.Davey

Position: Technical Director

Signed on behalf of the manufacturer