

Foster KeenCut RotaTrim Rotary Power Cutter

Instruction Manual



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P T SERIES POWERCUTTER

PART 1
OPERATORS MANUAL

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UNPACKING

Carefully unpack the Powercutter and check for visual signs of damage in transit.

Included with your Powercutter should be the following;

- (a) One mains connecting lead
- (b) One footswitch complete with plug
- (c) One instruction manual.
- (d) One spare cutting wheel.
- (e) One extended rule.

Ensure that all the safety guards and protective covers are securely in place.

INSTALLATION

Place the Powercutter on the bench where it is to be used (or assemble and attach the stand - see accessories).

The Powercutter is shipped with the extended rule removed from the baseboard.

To fit and adjust the rule, please refer to section 6 on page 7 of this manual.

Plug into the appropriate connectors the footswitch and mains lead. The sockets are located on the left hand side face of the Powercutter when viewed from the front.

The connectors are of different types and therefore not accidentally interchangeable.

Connect the mains lead to the supply and switch on the Powercutter by means of the red rocker switch located on the right hand side of the control box.

The rocker switch will illuminate to show that the supply is present.

Depress the footswitch and check to see that the cutting head moves along the guide rail. The head will move alternately from left to right and right to left each time the footswitch is depressed.

If the Powercutter is switched on with the cutting head in a midway position, depressing the footswitch will cause the head to move to the right hand side.

If any of the above functions do not appear to work then please ask your technician to refer to the **FAULTFINDING** section of this manual.

HOW TO USE YOUR POWERCUTTER

Your Powercutter will cut paper, mountboard and card up to 4mm thick and also some plastics and shim metals. It will also cut framers hardboard up to 2.2mm thick.

DO NOT ATTEMPT TO CUT 3MM BUILDERS HARDBOARD.

The Powercutter is fitted with an overload protection device which will only allow the cutting action in one direction, i.e. from right to left.

Always position the head at the right hand side, viewed from the front, before making a cut. The head therefore cuts towards the rule.

To cut the material, simply place the work on the baseboard and feed the edge to be cut under the clamping bar until it is positioned over the base blade and then depress the footswitch while holding the work firmly with your hands.

To cut work at right angles or with thick materials use the rule at the side of the machine as a guide. Depress the footswitch again to return the head to the right hand side.

Two way cutting is possible under some circumstances. Please contact your dealer or ROTATRIM Ltd for advice.

OVERLOAD

If any attempt is made to cut materials in excess of the Powercutter's capacity, the motor will stall and the thermal trip will disconnect the supply. If this occurs, switch off the supply at the mains switch and remove the offending material from the machine. After approximately two minutes it will be possible to reset the trip by pressing the black button located between the footswitch plug and the mains plug on the left hand side of the Powercutter.

FAULT FINDING.

PROBLEM	POSSIBLE CAUSE
1. Mains switch not illuminated and no cut.	Machine not plugged into supply or supply failure. Supply fuse blown in plug or on circuit board. If fuses repeatedly blow refer to maintenance section. Thermal trip needs resetting.
2. Mains switch illuminated and no cut. No sound from motor.	Footswitch not connected or faulty. Electrical fault in system. Fuse blown on circuit board.
3. Mains switch illuminated. No cut, but motor runs.	Drive belt broken or derailed. Faulty gearbox.
4. Poor cut. Edge ragged.	Circular cutting wheel blunt or contaminated with adhesive or similar material.

- | | |
|--|---|
| | Cutting wheel pressure
spring broken.
Excessive wear in wheel
spindle.
Unsuitable material. |
| 5. Circular cutting wheel rides
up onto base blade and jams. | Overload protection plate
broken or missing. |
| 6. Machine cuts but does not
stop abruptly at the end of
the travel. | Braking resistor open
circuit or relay timing
incorrect. Refer to
maintenance section. |

ACCESSORIES

FLOOR STAND

A floor stand is available for your Powercutter to enable the machine to be used in a standing position.

CATCHER

A waste catcher is available to collect offcuts created during cutting.

This catcher is attached to the floor stand and therefore can only be used with the stand fitted.

BASE EXTENSION

It is possible to extend the depth of the baseboard in increments of 11 inches with a matching aluminium board. For details of any of these accessories please contact your dealer or ROTATRIM Ltd.

P.T. SERIES RULE

FITTING INSTRUCTIONS

Remove the rule from the packing tube.

Place the Powercutter on a firm surface with the cutting edge and guide bar away from you and the motor housing on the left hand side.

Remove the two M4 screws and nuts from the baseboard at the left hand side of the cutting area and place the rule on top of the baseboard such that the holes drilled in the bottom of the rule are lined up with the screw holes in the base.

Assemble the two screws and nuts through the rule and base and fully tighten the screw nearest the cutting blade only.

SQUARING THE RULE

Lightly tighten the other screw to hold the rule during the squaring process.

Using a sheet of card trim all four sides using the rule, turning the sheet in an anticlockwise direction.

Turning the card once more and aligning the card with the cutting edge will reveal an error which is four times the actual error. By lightly moving the rule with a mallet and retesting, it is possible to eliminate the error completely. Fully tighten the second screw and retest. Small adjustments are still possible with the screws tight.

Remove the backing from the rule label and position the label over the recess formed on the left hand side of the extrusion such that the zero end of the scale is over the cutting edge of the flat blade.

Press the label into position along the full length and trim the two ends with a sharp knife.

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- SPIRAL COIL
- INDEX TABS