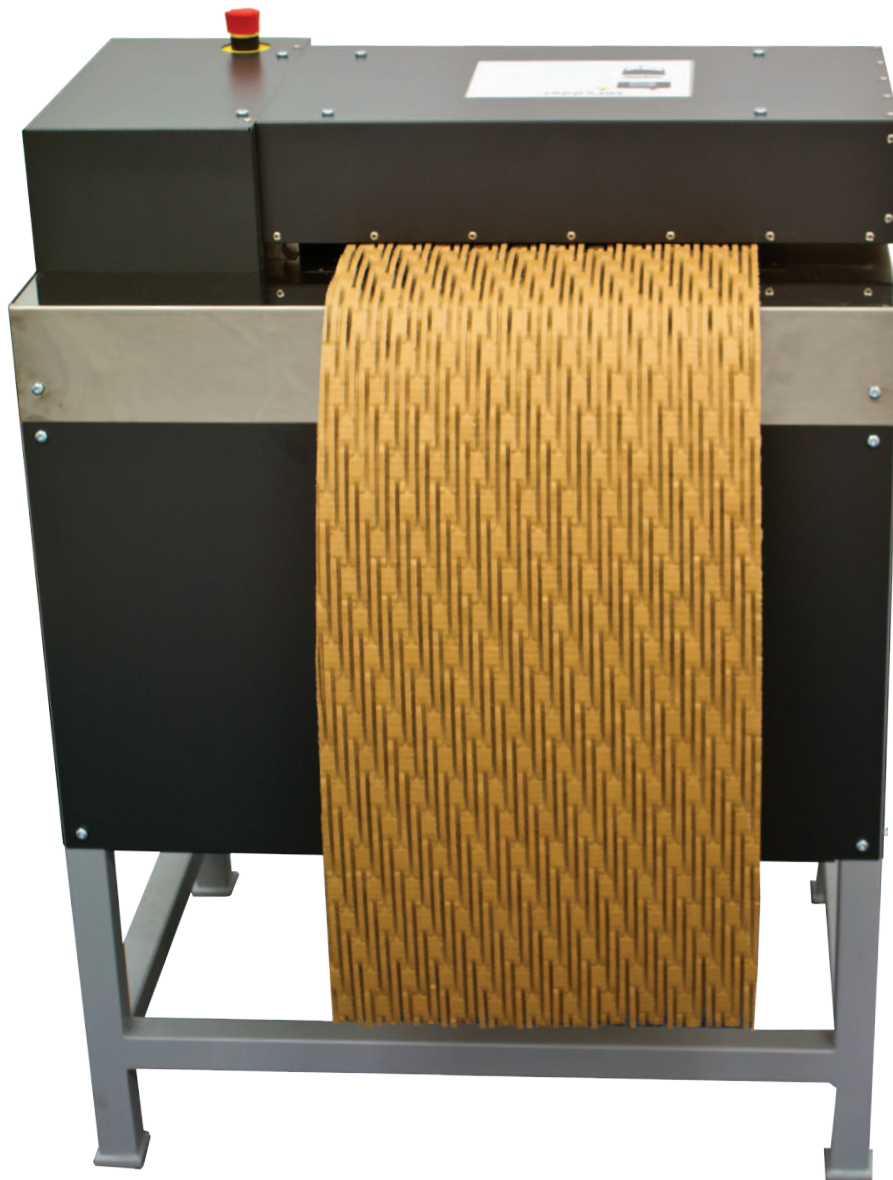


# Easypack<sup>®</sup> Shredder<sup>™</sup>

## Model 282 Operating Manual 28-OM131-1



English (Original)

# Easypack Shredder™

## Contents

Safety Information	3
Description and Purpose of Machine	4
Specification and Installation	5
Machine Controls	6
Pre-start Checks	7
Instructions for Use	8
Maintenance	9
Troubleshooting	10
Spare Parts List	11
Wiring Diagram	12-13
Declaration of Conformity	14

# Easypack Shredder™

## 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 suitably trained or qualified personnel.

**Always switch off the machine from the mains supply before freeing card jams or removing any covers.**

The machine can be stopped in an emergency by pressing down the red mushroom button (with a yellow disc) located on the top of the machine.

The machine can be stopped at any time by pressing the red (0) switch.

A red neon indicator on the control panel is illuminated to warn when electrical power is connected.

It is recommended that metal staples are removed prior to shredding, as staples cut during the shredding process will leave sharp pieces in the shredded material, which could cause injury during handling.

- The machine uses a 230V(±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 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

# Easypack Shredder™

## Description and Purpose of Machine

The Easypack Shredder converts surplus corrugated cardboard boxes into protective void fill material for transit packing.

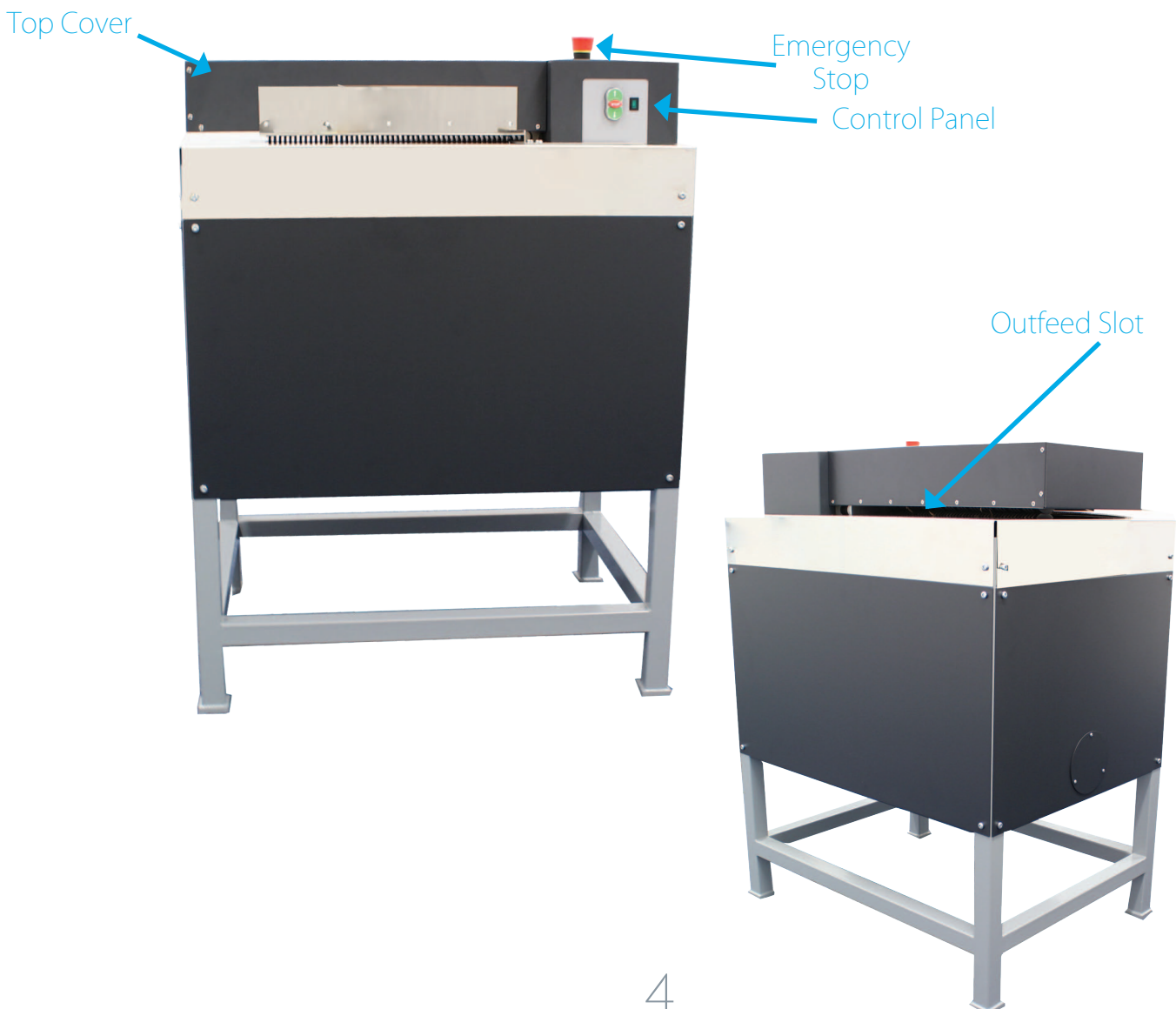
The resulting lattice structure allows flexibility for packing a variety of shapes and sizes. It is tough enough to prevent damage to heavy items.

There is no need to pre-cut the boxes, as the machine cuts the surplus card off.

The machine is of rugged design and construction.

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

The noise level does not exceed 70 dB(A) whilst shredding.



# Easypack<sup>®</sup> Shredder<sup>™</sup>

## Specification and Installation

### Specification

Dimensions	110mm (H) x 812 (W) x 612 (D)
Weight	170kg
Voltage	230V ( $\pm 10\%$ ), 50Hz
Max Power	1.5kW
Cardboard Thickness	5-12.5mm thick
Max cutting width	400mm wide

### Installation



The Machine must only be installed and operated in an area that is suitable for its use, with ample space for feeding flat boxes, and collection of the shredded lattice.

The machine **MUST NOT** be used in a wet environment.

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
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



When using a forklift truck to lift or transport the machine, the forks should be positioned beneath the lower frame, between the legs.

Lifting from the sides of the machine, or the use of lifting slings, is not recommended.

### CAUTION - THE MACHINE IS TOP HEAVY

### Connections

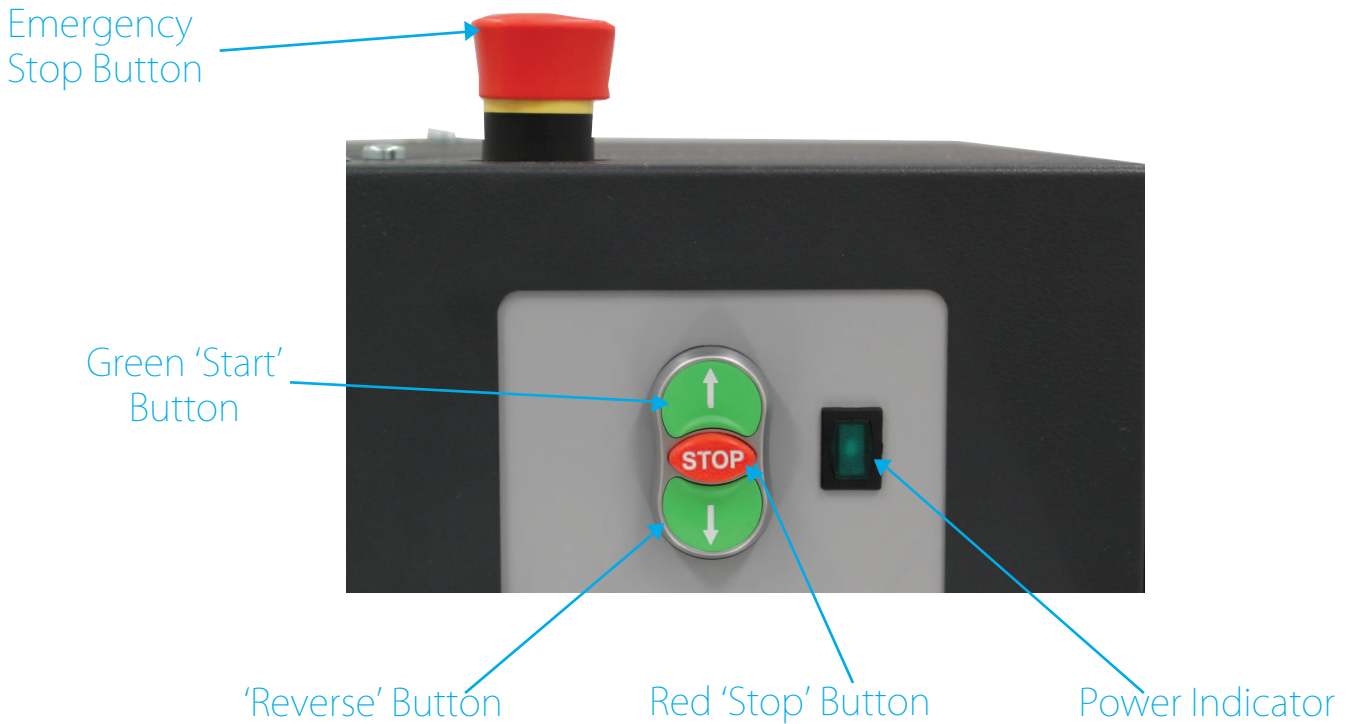


The machine must be connected to a 230V, 50Hz, 1-phase electrical supply via a 13A Fuse. The machine must be earthed. No other services are required.

Maximum power consumption is 1.5kW.

# Easypack Shredder™

## Machine Controls



### Emergency Stop Button

A red mushroom push button is mounted on top of the machine. When pressed it locks down and stops the machine. Turn clockwise to reset.

### Power Indicator

A green neon indicator on the control panel illuminates when there is electrical power to the machine.

### Green 'Start' Button

Switches the machine motor on ready to shred card.

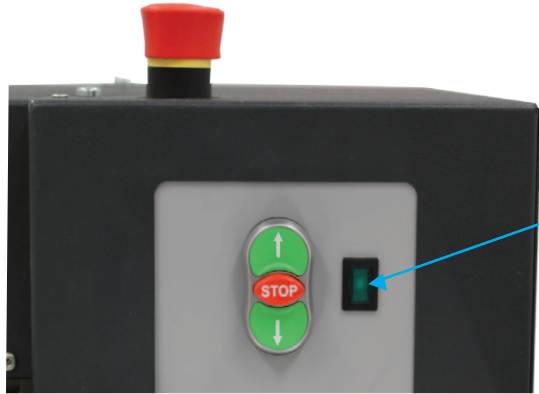
### Red 'Stop' Button

Stops the machine motor. This button should not be pressed during shredding.

# Easypack Shredder™

## Pre-Start Checks

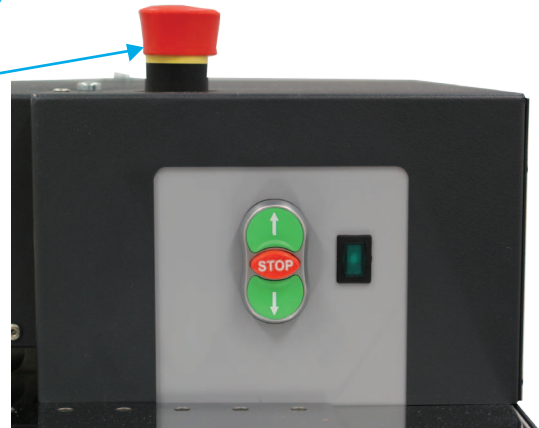
1)



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

2)

The Emergency Stop button is released (turn clockwise)



3)

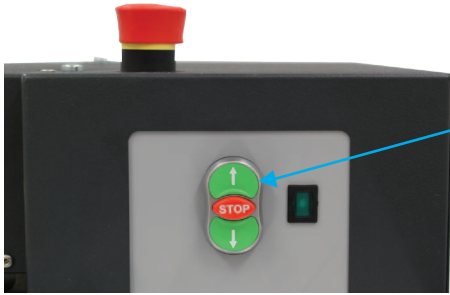


The Outfeed Slot is clear of restriction to allow the shredded cardboard to exit

# Easypack Shredder™

## Instructions for Use

1)



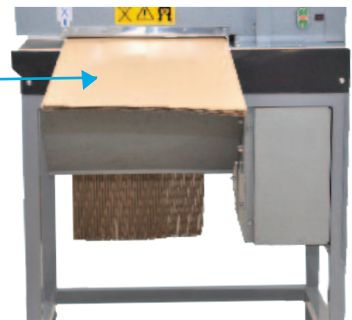
Press the green 'Start' button to switch the Shredder motor on. The shredding wheels will rotate ready for the cardboard to be fed in.

Feed the cardboard into the Entry Slot. Once the cardboard is gripped by the shredding wheels it can be released.

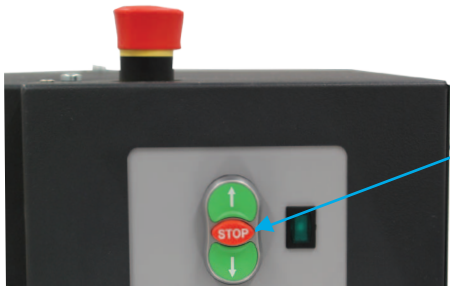
**The maximum cardboard thickness is 12.5mm - do not force cardboard into the Shredder.**

Any width cardboard can be fed into the shredder as it will cut off extra width.

2)



3)



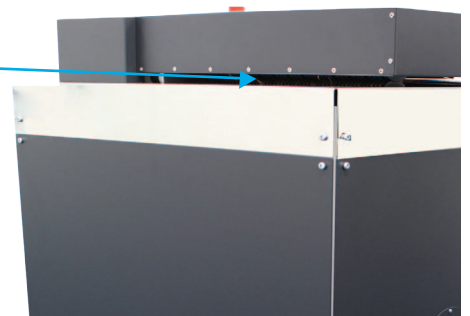
To stop the Shredder press the red 'Stop' button.

**Do not stop the Shredder whilst shredding cardboard unless it jams.**

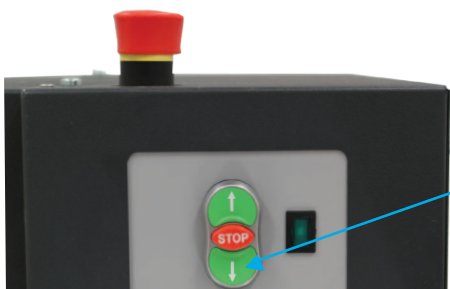
If the cardboard jams in the Shredder, stop the shredder using the red 'Stop' button or the Emergency Stop button.

Clear as much cardboard out as possible from the Outfeed Slot.

4)



5)



Press the stop button and then press and hold the 'Reverse' button to clear the partially shredded cardboard from the Infeed Slot.

# Easypack<sup>®</sup> Shredder<sup>™</sup>

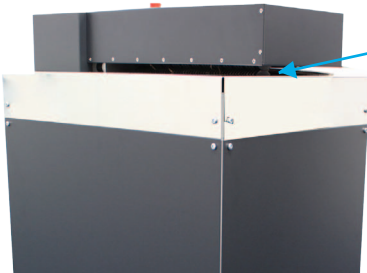
## Maintenance



Always disconnect the shredder from the power supply before removing any covers.

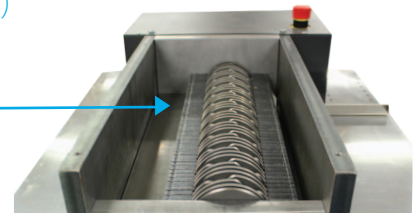
The machine is to be serviced or repaired only by suitably trained or qualified personnel.

1)



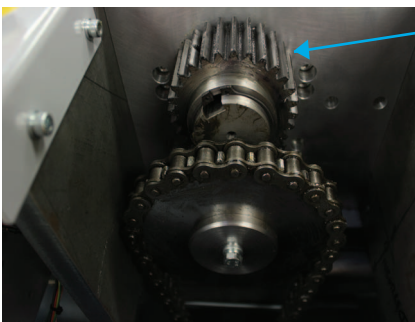
**Every week** lubricate the shredding wheels via the outfeed slot with a lubricating spray e.g. WD40

2)



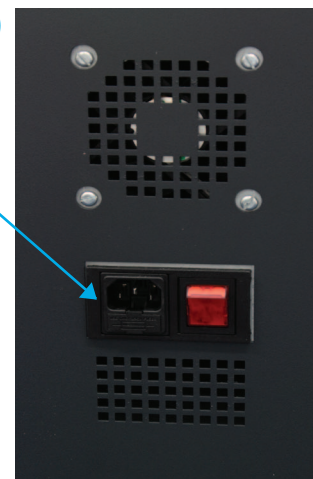
**Every month** remove the top cover and clear any cardboard debris from above the shredding wheels.

3)



**Every 6 months** apply a lithium based grease (e.g. Castrol LM) to the drive gears.

4)



For access to the mains fuse open this drawer

Fuseholder containing 5x20mm 10A fuse and spare

# Easypack Shredder™

## Troubleshooting

Fault	Check
Power indicator not lit	Machine is connected to the mains supply Mains supply is switched on Internal fuse in Shredder is okay Fuse in mains plug is okay
Shredder will not start or reverse	Power indicator is lit Emergency stop button is released Cardboard is not jammed in shredding wheels Inverter has not tripped out due to overload (switch machine off for 20 seconds to reset)
Cardboard will not feed into shredder	Shredding wheels are rotating Cardboard path is clear of obstructions Cardboard is not more than 12.5mm thick

If the above information does not clear the fault, contact [Easypack](#) for further assistance on [0845 838 0168](tel:0845 838 0168). Please have the serial number of the Shredder available.

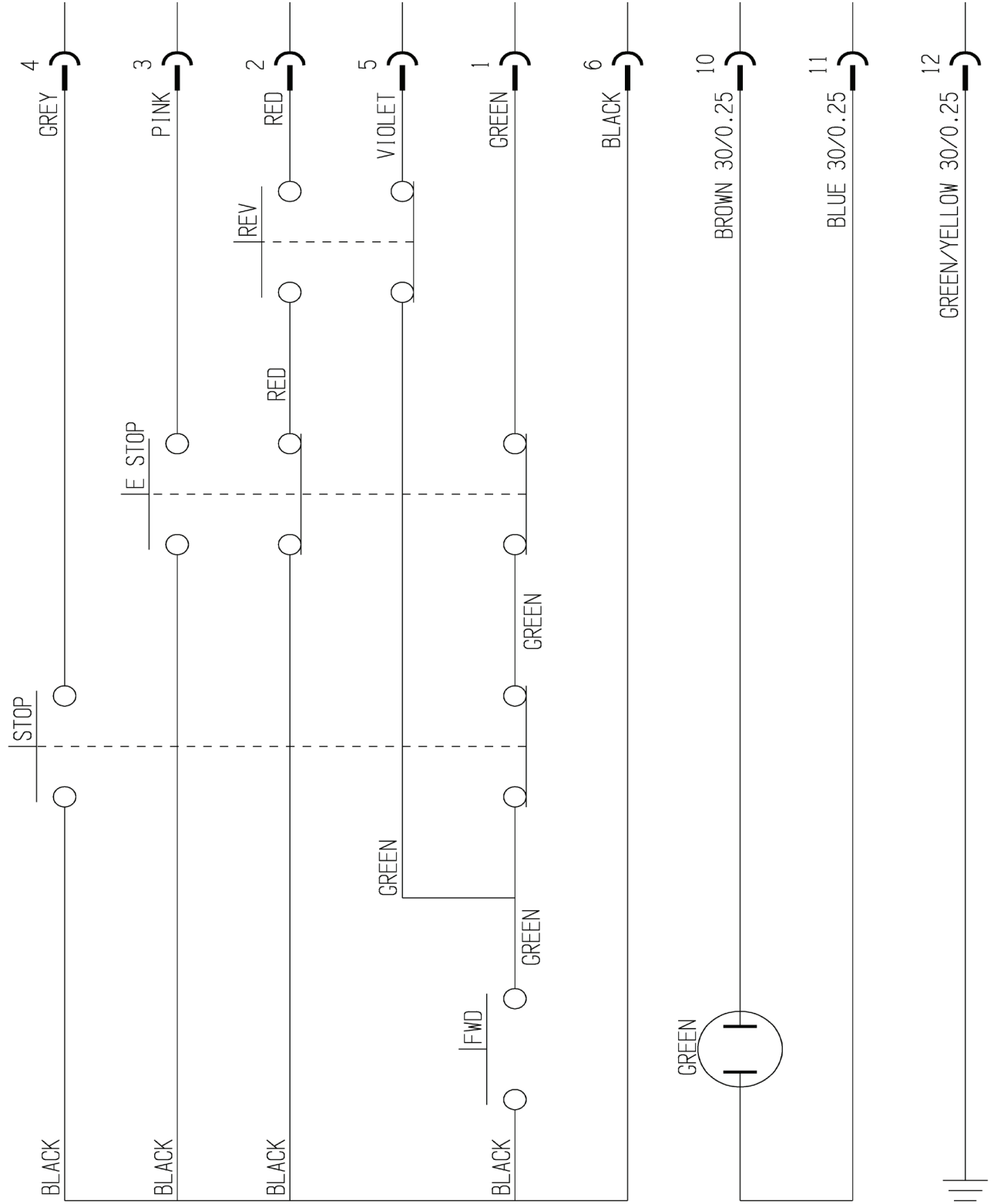
# Easypack Shredder™

## Spare Parts List

Part No.	Description
08-171	WHEEL SHREDDING BLADE PLAIN LOWER
08-172	WHEEL SHREDDING BLADE FROFILED UPPER
08-274	SPUR GEAR 28T 3mod
28-255	STRIPPER PLATE 4W
28-256	STRIPPER SPACER 4W
28-257	SUPPORT BAR 4W STRIPPER PLATE
28-303	BLOCK BEARING UPPER IDLE
28-304	BLOCK BEARING LOWER IDLE
28-311	WASHER THRUST 65OD 50ID X3.5
28-312	SPROCKET 26T 3/4" PITCH 165.0OD
28-313	RING CLAMP 26T SPROCKET
28-341	PLATE DRIVE BEARING
99-1062	DRAWN CUP NEEDLE ROLLER BEARING w/o Inner Rings 40 ID
99-1063	DRAWN CUP NEEDLE ROLLER BEARING w/o Inner Rings 50 ID
99-1170	CIRCLIP EXTERNAL 50DIA SHAFT
28-204	SPROCKET 13T 3/4" PITCH 87.5OD
28-206	CHAIN 3/4" PITCH X 53
28-317	PANEL OVERMOTOR
99-126	PIN COTTER 3/16" X 2"
99-1172	MOTOR GEARED BG30 1.5kW 3PH 83rpm
99-1180	WASHER M24 PLAIN FORM A ST/ZN
28-322	Z BRACKET SWITCH MOUNTING
99-431	DISC YELLOW E STOP
99-863	PUSH BUTTON MODULE CLIP
99-864	PUSH BUTTON CONTACT BLOCK N/C SCREW
99-865	PUSH BUTTON CONTACT BLOCK N/O SCREW
99-873	PUSH BUTTON RED MUSHROOM - TURN TO RESET
99-981	SWITCH HEAD TRIPLE PUSH BUTTON
99-1171	INDICATOR NEON GREEN
99-549	SWITCHED POWER INLET MODULE - HORIZONTAL
99-1116	AC FAN 80X80X25 24V
99-1151	FREQUENCY INVERTER
28-324	PANEL UPPER
28-325	PANEL UPPER COVER
28-326	PANEL GEAR COVER
28-327	PLATE GEAR COVER
28-328	PANEL LOWER
28-329	PANEL UNDERMOTOR FRONT
28-330	PANEL RH END
28-331	PANEL LH END
28-332	PANEL FRONT
28-333	FRONT PANEL SUB ASSY
28-334	PLATE EXTRACTOR HOLE COVER
28-335	ANGLE FEED HEIGHT RESTRICTOR 13mm
28-336	L-PIECE WIDTH RESTRICTOR SLIDE
28-338	PANEL UNDERMOTOR REAR
99-523	LABEL ISOLATE BEFORE REMOVING
99-1178	LABEL SHREDDER NAME PLATE AND WIDTH GUIDE

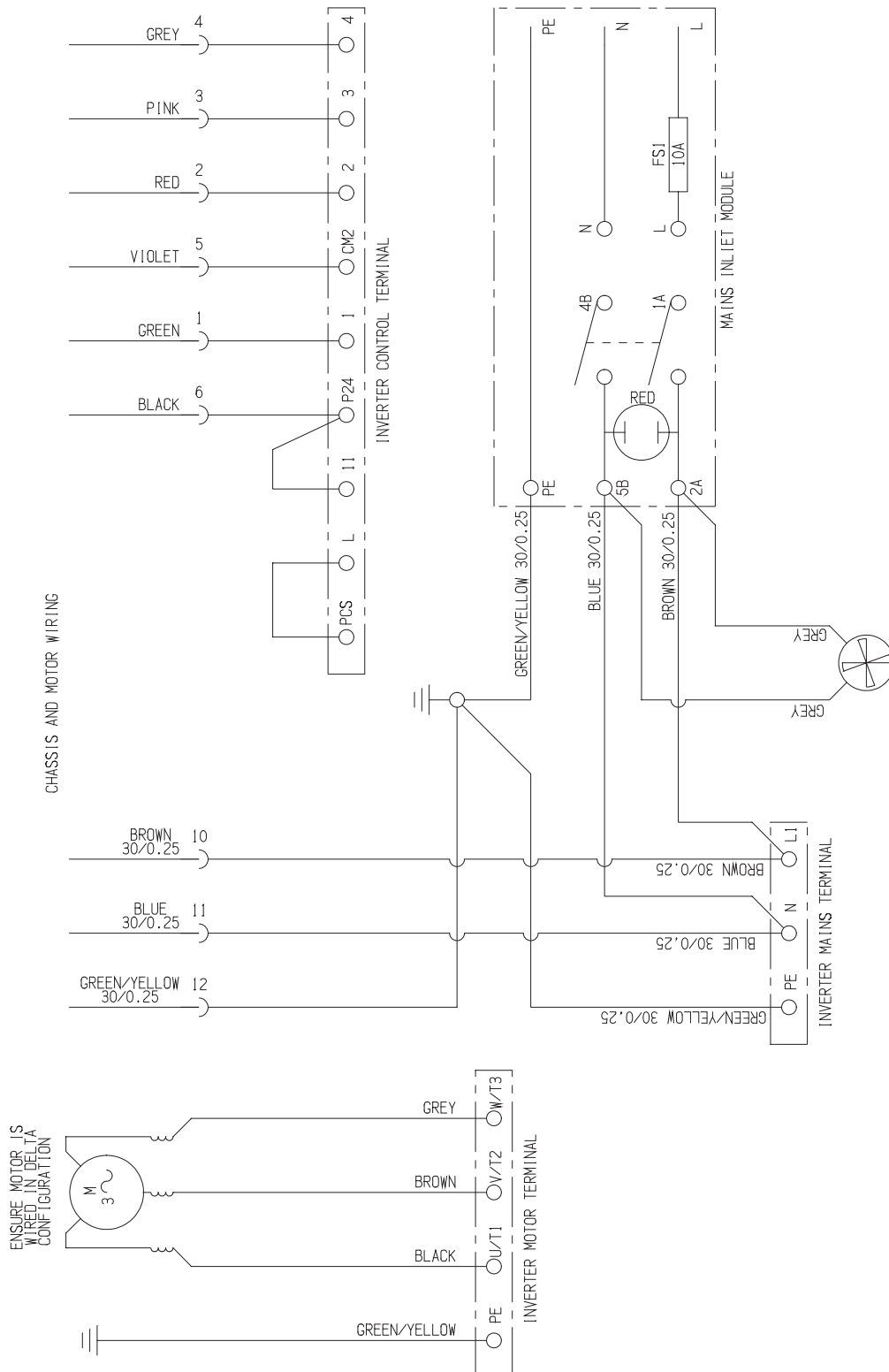
## Wiring Diagram

CONTROL PANEL WIRING



# Easypack Shredder™

## Wiring Diagram



# Easypack Shredder™

## 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: Box Shredder

Model No. & Serial No. 282

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
EN418:1992	Safety of Machinery - Emergency stop equipment, functional aspects - Principles for design
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: 18/10/12

Name: T.J. Davey

Position: Technical Director

Signed on behalf of the manufacturer