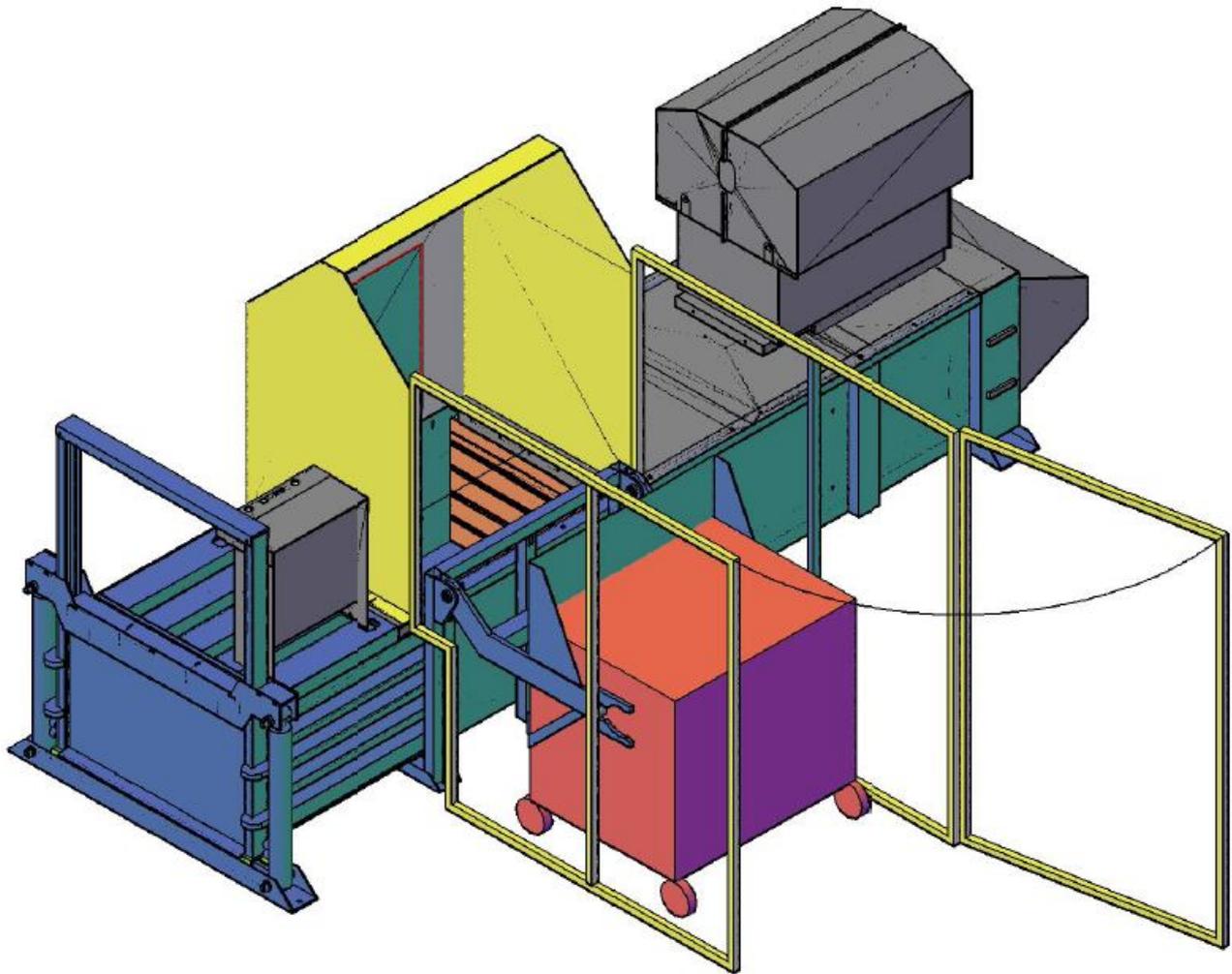




ENGINEERING LIMITED

Manufacturers and Suppliers
of Specialist Equipment
Ballymacken, Portlaoise,
Co. Laois, Ireland,
Tel: 00 353 (0) 57 8660379
Fax: 00 353 (0) 57 8660597
Email: info@lsmltd.com
Web: www.lsmltd.com



KERRUSH WRH500H BALER

OPERATOR INSTRUCTION MANUAL

SERIAL NO:

INSTALLATION DATE:

Keep these instructions for future use!



Index

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Introduction

Congratulations on your purchase of an LSM WRH500H BALER.

PLEASE READ THE FOLLOWING MANUAL BEFORE USING THE MACHINE.

Read this manual carefully for instructions on how to operate your WRH500H Material Baler correctly. In order for you to achieve the best possible results with your new Material Baler, we kindly ask you to study the following pages carefully before use.

Please complete the specification and warranty sheets immediately after purchase.

Remember! Warranty forms must be returned to us fully completed within 30 days of purchase. Warranty registration forms can be faxed to LSM. Failure to do so can result in loss of warranty for your machine.

This manual has been carefully written to help you maintain the condition of your machine. Please adhere to the recommended maintenance instructions to prolong the life of your machine.

Keep safety in mind at all times. Failure to do so could result in personal injury or damage to your machine.

All information, illustrations and specifications in this manual are based on the latest information available at the time of publication.

It is the policy of LSM Engineering Ltd. to improve its products whenever possible and practical to do so. We reserve the right to make changes or improvements at any time without incurring any obligation to make such changes on products sold.

Thank you for choosing LSM.

Preparing the baler for transportation

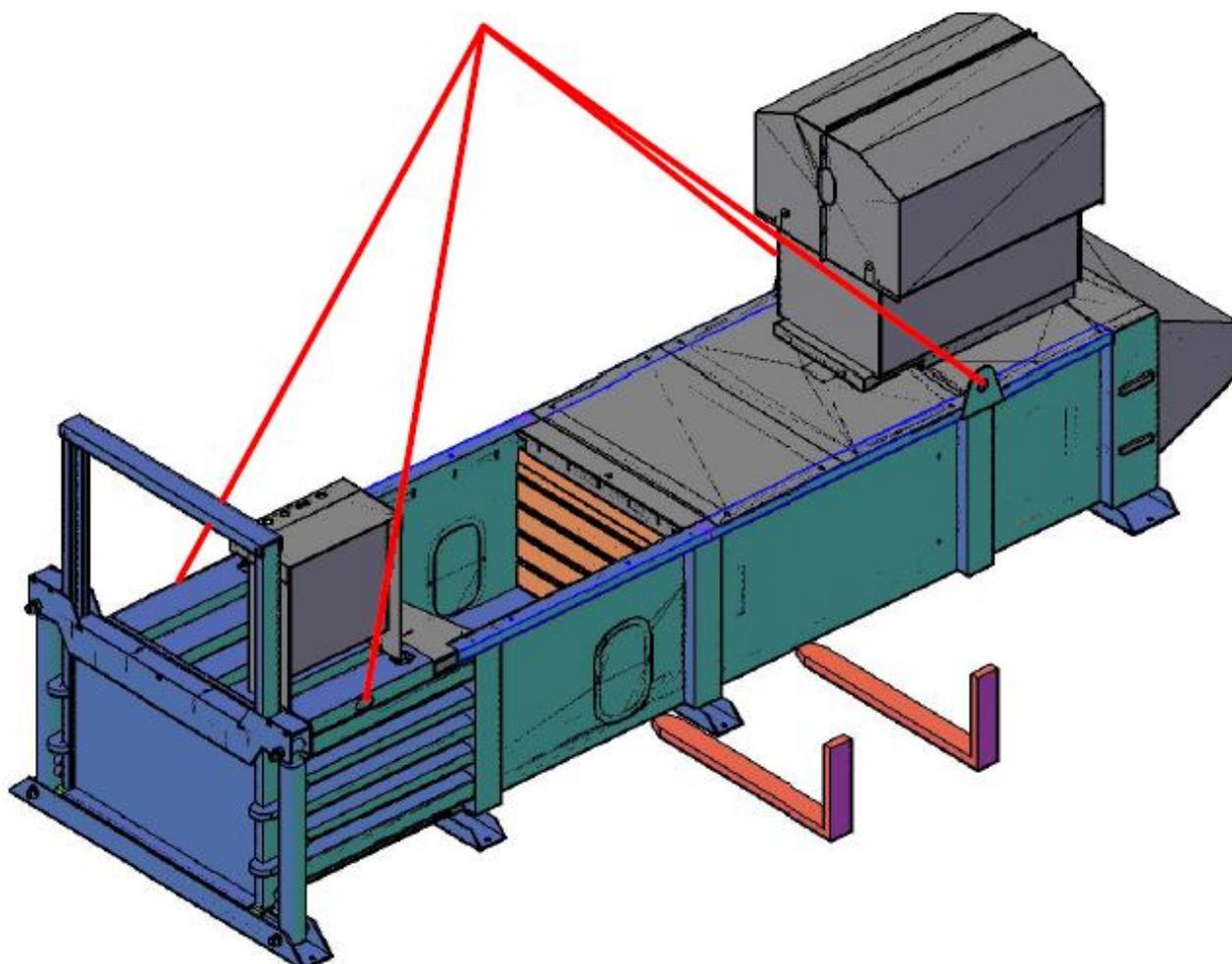
Before transporting your baler please perform these basic checks to avoid injury to persons or damage to your machine.

- Check that all doors are closed and latched
- Any trailing cables are tidied away
- The oil bung is in the tank
- All parts are bolted down parts are tight
- Any loose parts are placed inside the baler

Moving the baler

Moving the baler should only be done via the use of an 8-10 ton forklift or crane. Do not try to 'drag' the machine around by hand as this could cause injury to you.

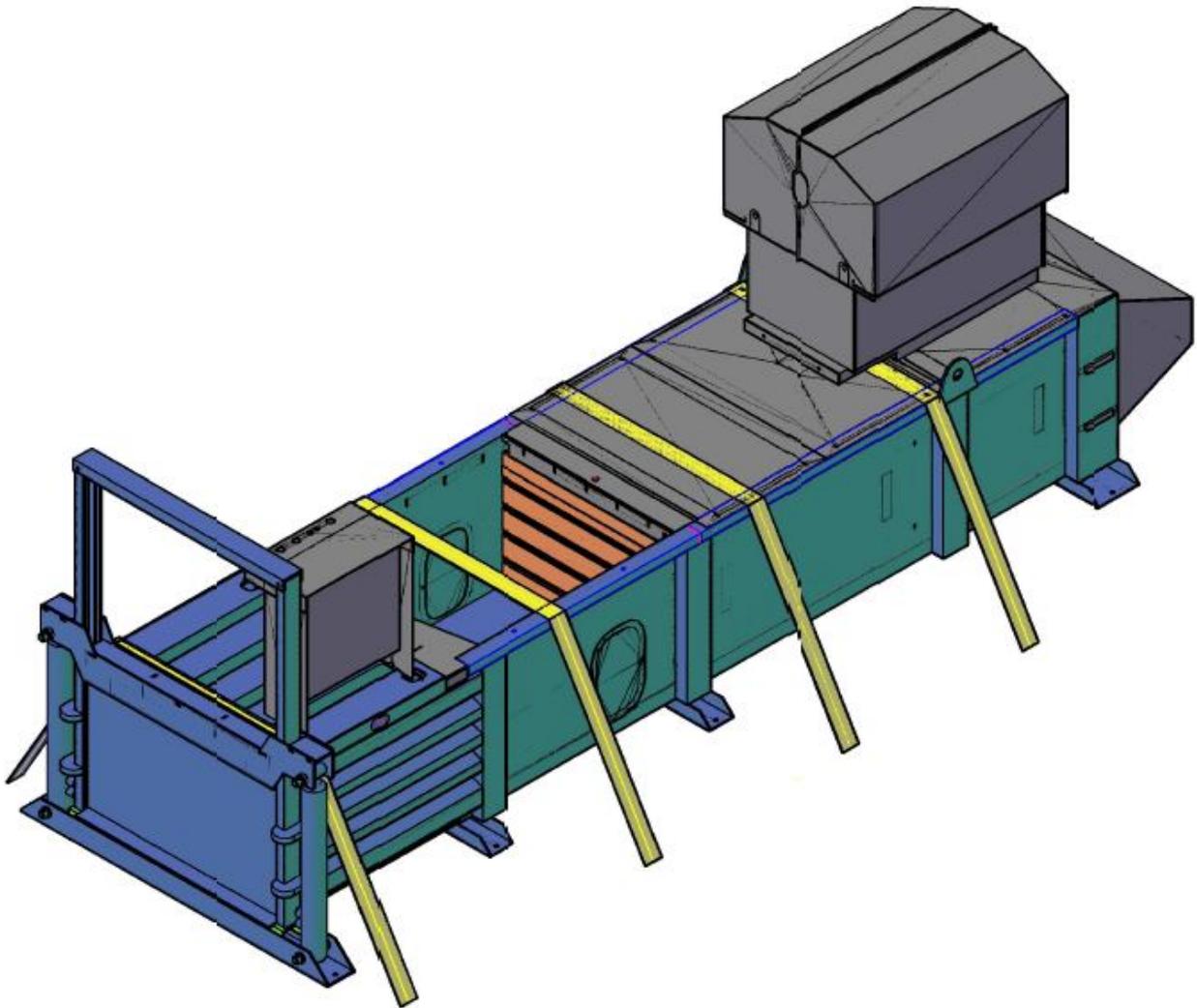
When lifting a baler the forks or a crane should be used. If lifting with the machine with a forklift ensure that care is taken to lift the machine at its centre of mass (this point may vary depending on the centreplate position during the lift. If using a crane the machine can be lifted via the brackets on the top of the machine. (approx weight 5000kg's including motor & stand).



Loading / Unloading the baler

Carefully lift the machine on to the trailer. Try to position the baler in the centre of the trailer to improve balance when transporting. Tie down with a minimum of 4 ratchet straps to avoid movement during transportation.

UNDER NO CIRCUMSTANCES SHOULD A BODY OR BODY PART BE UNDER THE MACHINE DURING LOADING OR MOVING



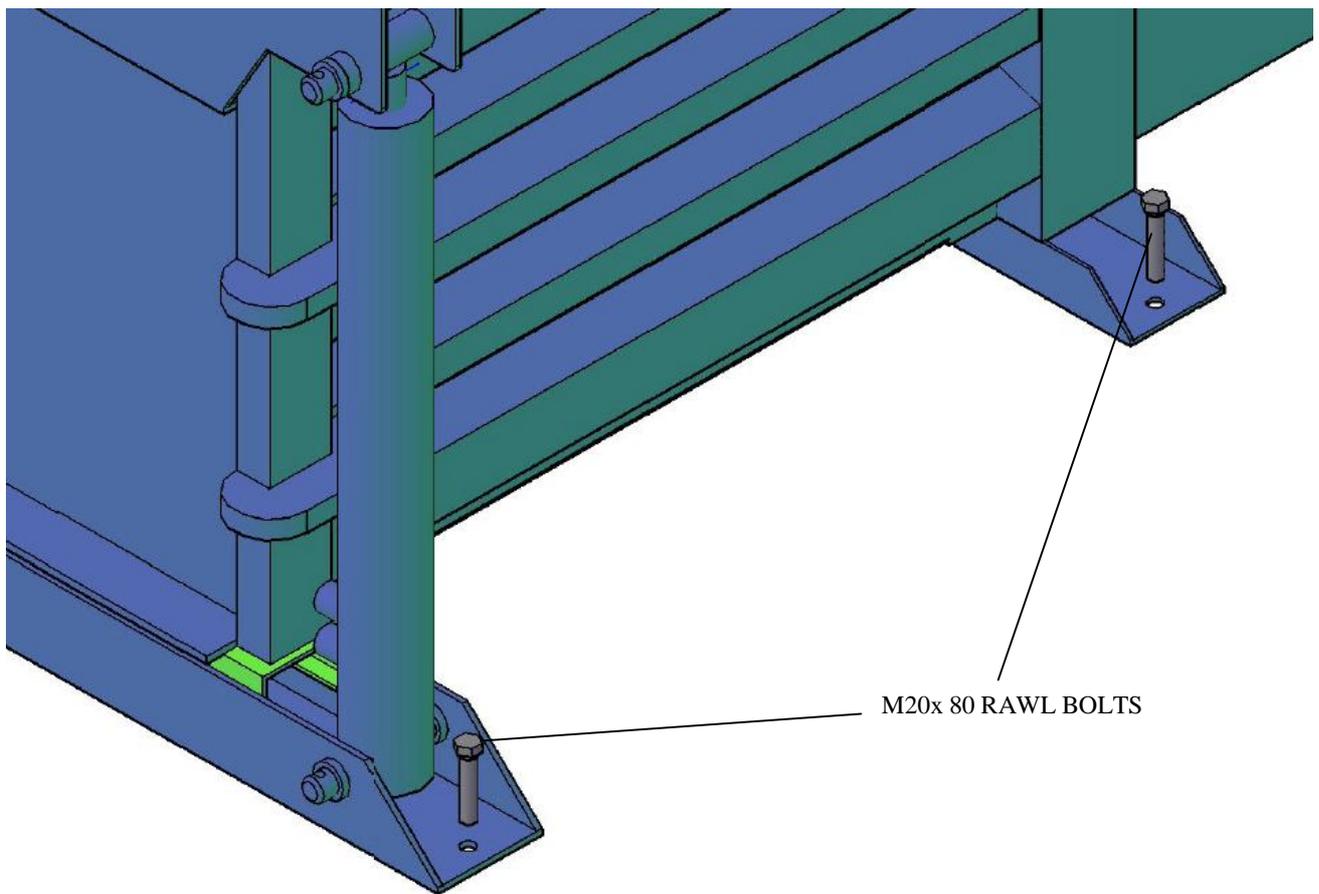
When unloading the baler the same procedure applies as when loading.

Machine Installation

Although the baler is suitable for outside use it is recommended that it is located inside or under a protective cover. Doing so will extend the life of your machine.

It is important to know how to safely move your machine into position. To do this use either an 8-10 ton fork truck or a crane and lift the machine via the lifting points (page 6.) Do not attempt to move the machine by hand as this could cause injury to you or damage the machine.

Fix the machine on a **solid level surface** to avoid movement while in operation by fixing a 20mm Rawl bolt through the holes provided in the feet (minimum of 3 bolts per side).



Exact power supply requirements for LSM WR500H BALER

Motor Size 11kW

1. 415V 3 phase earth & neutral, 32amp per phase supply.
2. Supply should be protected by 50amp fuses (i.e. motor rated 50amps) or by a 50amp type D circuit breaker.
3. The isolator/Plug should be positioned ideally within 2m of the machine.
4. If outdoors, the isolator/Plug should be waterproof to IP65 and we recommend it incorporates a 30mA RCD.
5. It is recommended that the baler be hard wired in to an isolator switch. (Alternatively the baler can be plugged in to a 32amp 5-pin socket using a 32amp 5pin plug).

Please note the baler is not supplied with a plug.

Customer responsibilities

When installing, operating and maintaining your Kerrush baler the customer is responsible for:

- Ensuring that the power requirements for the machine are satisfactory and that installation of the plug and socket are carried out in accordance with the country of uses electrical standards.
- Ensuring that ALL personnel using the baler have read the operators manual and understood all of the safety and operational procedures.
- Ensuring that personnel have access to the operator's manual at all times.
- Ensuring that the electrical cable from the machine to the mains is located in a safe position out of harm's way and does not pose any hazards to the operator.
- Ensuring that the baler is plugged directly to the mains supply without the use of an extension cable.

End of life information

Your Kerrush baler is primarily constructed from recyclable materials. When the machine has reached end of life the below guidelines should be followed for safe and environmentally friendly disposal.

- Drain hydraulic oil. Collect in a container and bring to your local recycling centre for disposal
- Disassemble machine and sort into its separate materials.
- Steel components can be sold to a scrap steel merchant.
- All copper wire/electrical components/rubber/nylon should be brought to your local recycling centre for disposal.

Designated Use of Machine



The KERRUSH Material Balers 150 – 6000 are exclusively designed as Material Balers to compact only certain waste material. It is suitable ONLY to be used with the following materials:

Cardboard, Paper, Plastic, Foam and Soft Materials.

The KERRUSH Material Baler is NOT SUITABLE for any of the following types of waste:

Pressurised containers, Cans, Metal, Wood, Glass or any Solid Materials.

LSM Engineering Ltd will not be held responsible for any loss or damage resulting from machine applications other than those specified. Any other use the machine may be put to is entirely at the owners / operators risk.

The designated use of an LSM KERRUSH Material Baler precludes that the operation, maintenance and repair instructions as given by the manufacturer will be strictly fulfilled.

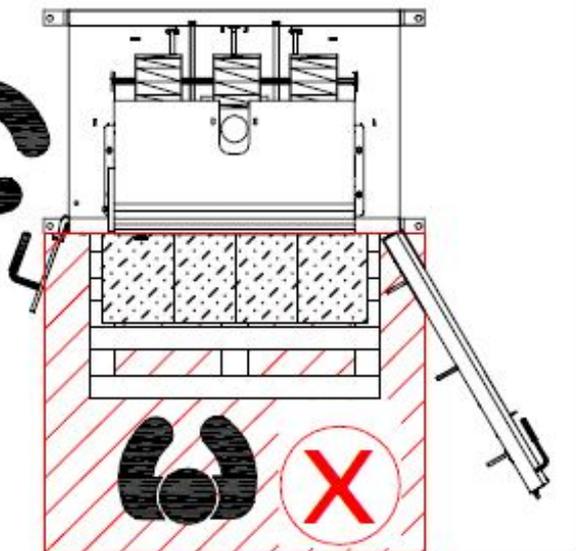
Any alterations made to this machine by the customer / user, especially interference with safety guards and equipment could mean the Declaration of Conformity on this machine losing its validity, as well as your warranty.

Safe Operation Zone Ejection



Caution! One man operation
Actung! Einmannbedienung
Attention! Commande à un seul opérateur
Atención! Manejo unipersonal
Attentie! Eenman-bediening

Danger! Gefahr! Danger!
Peligro! Gevaar!



Observe
safety area!

Sicherheitsbereich
einhalten!

Respecter la
zone de sécurité

Velligheidsafstand
bewaren

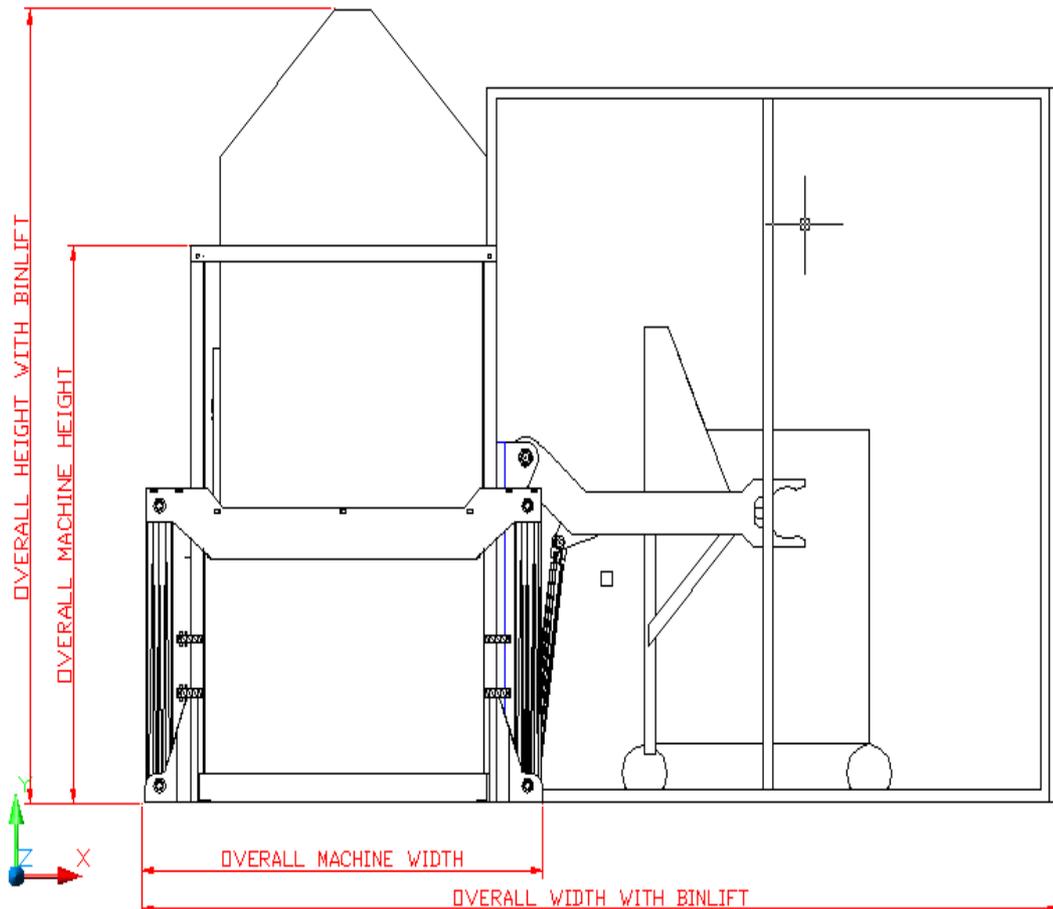
Technical Data

HORIZONTAL BALER	
General	
Compaction Force:	Up to 50T
Cycle Time:	40-50 Seconds
Door Type:	Portcullis
Technical	
Power Supply:	3 Phase with earth & neutral (32amp per phase supply with motor rated fuses)
Motor Size:	11Kw
User Controls:	24V Low Voltage Controls, Automatic and manual cycle
Hydraulics	
Hydraulic Capacity:	250Lts
Pump Type:	Piston pump system
Ram Size:	150 Bore with 90mm Rod

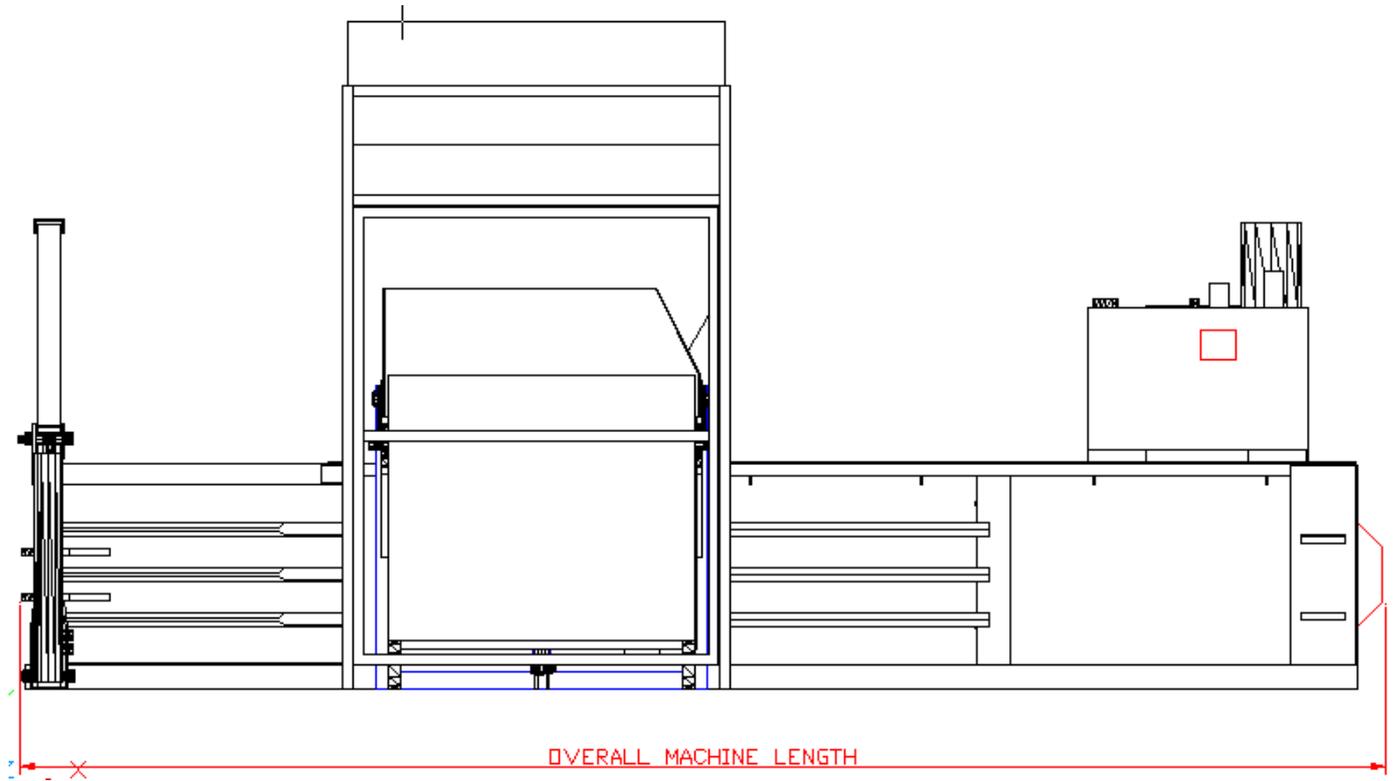
Individual Compactor and Bale Specifications

MACHINE SPEC.	HORIZONTAL BALER
A. Operational Height	Varies depending on hopper
B. Overall machine height	2260mm
C. Overall Width	2074mm
D. Overall Length	6015mm
E. Machine Weight Approx.	6.6 tonnes
BALE SPEC:	
F. Height	750mm
G. Width	1100mm
H. Depth	1000mm
I. Bale Weight Approx (cardboard)	300-500kg
MACHINE SPEC. with BIN LIFTER & SAFETY CAGE	
A. Overall Height	2850mm
C. Overall Width (with swing type cage door opened)	5500mm
D. Overall Length	6015mm
E. Machine Weight Approx.	7 tonnes

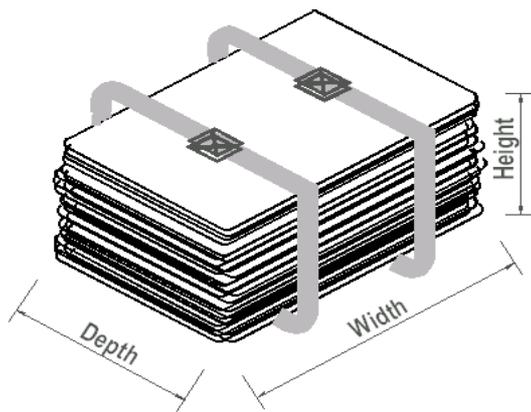
Machine Front Elevation



Machine Side Elevation



Bale Dimensions



WARRANTY AND MANUAL REGISTRATION FORMS



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PLEASE COMPLETE THE FOLLOWING FORMS IN FULL.

The first form is a warranty registration form; this form is issued in accordance with our conditions of sale and with particular reference to condition 9 governing warranty conditions (See Terms and Conditions). We cannot process a claim unless all particulars are supplied.

The second is an acceptance form, which the purchaser is asked to sign to acknowledge he/she has received a copy of the Operator manual and full training for the machine purchased.

PLEASE DO NOT SIGN IF YOU HAVE RECEIVED BOTH OF THESE

WARRANTY REGISTRATION

DATE OF PURCHASE:	
PURCHASERS NAME:	SIGNATURE:
ADDRESS:	
PHONE/FAX:	
EMAIL:	
DEALERS NAME:	
DEALERS ADDRESS:	
PHONE AND EMAIL:	
MACHINE TYPE AND MODEL:	
SERIAL NO:	
APPROX NO. OF BALES WEEKLY:	
NOTES:	

TRAINING & OPERATOR MANUAL REGISTRATION

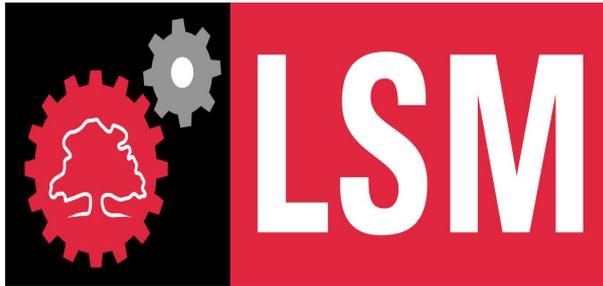
PLEASE SIGN THE FOLLOWING DECLARATION TO STATE THAT ON THE DAY YOU (THE PURCHASER) PURCHASED YOUR MACHINE, YOU RECEIVED AN OPERATORS MANUAL AND TRAINING INSTRUCTIONS

I, the purchaser have received my LSM Operators manual and training from the below dealer/ installation engineer

PURCHASER _____ SIGNATURE _____
DATE _____
DEALER _____ SIGNATURE _____
DATE _____

PLEASE FAX/POST BACK TO LSM WITHIN 30 DAYS OF PURCHASE

WARRANTY AND MANUAL REGISTRATION FORMS



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WARRANTY REGISTRATION

DATE OF PURCHASE:	
PURCHASERS NAME:	SIGNATURE:
ADDRESS:	
PHONE/FAX:	
EMAIL:	
DEALERS NAME:	
DEALERS ADDRESS:	
PHONE AND EMAIL:	
MACHINE TYPE AND MODEL:	
SERIAL NO:	
APPOX NO. OF BALES WEEKLY:	
NOTES:	

TRAINING & OPERATOR MANUAL REGISTRATION

PLEASE SIGN THE FOLLOWING DECLARATION TO STATE THAT ON THE DAY YOU (THE PURCHASER) PURCHASED YOUR MACHINE, YOU RECEIVED AN OPERATORS MANUAL AND TRAINING INSTRUCTIONS

I, the purchaser have received my LSM Operators manual and training from the below dealer/ installation engineer

PURCHASER _____ SIGNATURE _____
DATE _____
DEALER _____ SIGNATURE _____
DATE _____

(THIS COPY TO BE KEPT IN YOUR MANUAL FOR OWN REFERENCE)

Warranty

Warranty terms are as follows:

LSM will not accept claims for labour or mileage

NB: LSM Warranty relates to parts only.

KERRUSH / WASTE BALER:

- 1st Year Warranty parts & labour
- 2nd Year Warranty parts only

NO WARRANTY ALLOWED FOR BREAKDOWNS DUE TO:

- Misuse of the machine (e.g. overloading by the operator)
- Lack of maintenance (e.g. failure to carry out the daily or regular care and maintenance recommended)
- Putting any unsuitable material in machine (e.g. cans, pressurized containers, metal, wood, glass or any solid materials).

Note: Balers hired out to and operated by third parties are not covered by warranty, unless previously agreed.

General Safety

- Inspect your machine carefully each time before use. This will only take a minute.
- Shut off machine when leaving unattended.
- Children should never be in the area when your baler is in operation.
- Remember that the first step to avoiding danger is to recognize the hazards

Safety Checklist

- Study this manual. Provide training for new users. Any machine is potentially dangerous when under the control of untrained personnel.
- Always disconnect all power sources before carrying out any adjustments or maintenance to your machine.
- If you suspect there is an oil leak in the system, DO NOT OPERATE! Instead, notify LSM immediately.
- The WRH700H material baler is suitable ONLY to be used with the following: Cardboard, Paper, Plastic, Foam and Soft Materials
- Operators or helpers should avoid wearing loose clothing.
- Make sure the machine is positioned on a solid level surface and screwed into a wall or sound concrete floor with proper fixings.
- It is prohibited to bale spray-cans, aerosol cans or gas containers, cans with dangerous material or solid materials.
- It is prohibited to bale solid materials such as metal, wood, glass etc. as this will cause damage to the machinery.
- Using any prohibited materials may result in explosions and therefore cause danger to life.
- Never remove safety guards while there is still power going into the machine. All power must be off!
- Never operate machine without having all guards in place. They are there for your safety and protection.
- Machine Installation – It is important to fix your machine to a solid level surface to avoid movement while in operation.
- Always wear safety gloves and eye wear provided when using your machine for your own safety!!

Do not use this machine if you are unsure of any of the procedures or operations. Contact our Service Department on (00353) 57 8660379 or email: info@lsmltd.com or contact your local distributor.

Operating Instructions

Your baler can be controlled in 2 ways manual & automatic below is a description on how to operate your baler in both modes:

MANUAL OPERATION (BALER WITHOUT BINLIFT)

1. Turn on the machine by turning on the isolator switch on the control panel. Then turn the on/off switch to on (pg 26 no.8) and press the start button (pg 26 no.1)
2. Pre-wire the baler as shown (pg 23 fig 1a. & pg 27 no. 3&4) by looping the end of the wire at the anchor point and passing the wire through the machine so that it rests on the rest points provided (pg 23 fig 1b)
3. Ensure that all doors are closed as the baler will not operate if doors are open. (pg 27 no.5)
4. Fill the baler
5. At the control panel, turn the mode selection key to manual (pg 26 no.11) and the selector key to card or plastic to suit the baling material. (pg 26 no.6)
6. Hit the start button. This will start power to the baler!
7. Press and hold the forward button, (pg 26 no. 4) this will result in the packing plate moving forward and compressing the bale. Then press the reverse button (pg 26 no. 12) this will result in the packing plate returning to the loading position. Repeat steps 4 - 6 until the bale tie light comes on. (pg 26 no. 10)
8. Tie off the bale by inserting the wire guide tube through the centre plate slots (pg 24 fig 1c & pg 27 no.9) Feed the wire through the tube (pg 24 fig 1d & pg 27 no. 10), then remove the tube leaving the wire in the correct side for tying. (pg 27 no. 11) Tie the wire into a loop as per figure 4a-c. (pg 25 & pg 27 no. 13)
9. Press the up button. The portcullis will open. (pg 26 no. 5)
10. Press the forward button, the packing plate will then eject the bale. (pg 26 no. 4)
11. Press 'Reverse' button until the packing plate reaches the back limit switch and stops automatically. (pg 26 no. 12)
12. Press 'Down' button to lower the portcullis door. (pg 26 no. 14)
13. Repeat the above process to make a new bale.

AUTOMATIC OPERATION (BALER WITHOUT BINLIFT)

1. Turn on the machine by turning on the isolator switch on the control panel. Then turn the on/off switch to on (pg 26 no.8) and press the start button (pg 26 no.1)
2. Pre-wire the baler as shown (pg 23 fig 1a. & pg 27 no. 3&4) by looping the end of the wire at the anchor point and passing the wire through the machine so that it rests on the rest points provided (pg 23 fig 1b)
3. Ensure that all doors are closed as the baler will not operate if doors are open. (pg 27 no.5)
4. At the control panel, turn the mode selection key to automatic (pg 26 no. 11 & pg 27 no. 6) and turn the selector key to card or plastic to suit the baling material. (pg 26 no. 6)
5. Fill the baler and press the start button. This will cause the baler to start the automatic cycle.
6. Once enough material is in the baler, this will lead to a break the photocell sensor circuit resulting in the automatic compression of the bale. Or alternatively if you can hit the start button and the baler will complete 1 cycle of compression and return to loading position. Repeat the process until the bale tie light comes on. (pg 26 no. 10 & pg 27 no. 8)
7. Tie off the bale by inserting the wire guide tube through the centre plate slots (pg 24 fig 1c & pg 27 no.9). Feed the wire through the tube (pg 24 fig 1d & pg 27 no. 10), then remove the tube leaving the wire in the correct side for tying. (pg 27 no. 11) Tie the wire into a loop as per figure 4a-c.(pg 25 & pg 27 no. 13)
8. Press the eject button. The packing plate will retract and the portcullis will open and the packing plate will then eject the bale. (pg 26 no. 13 & pg 27 no 14)
9. Switch the mode selector to manual (pg 26 no. 11) & press 'Reverse' button until the packing plate reaches the back limit switch and stops automatically. (pg 26 no. 12)
10. Press 'down' button to lower the portcullis door. (pg 26 no. 14)
11. Repeat the above process to make a new bale.

Operating Instructions

MANUAL OPERATION (BALER WITH BINLIFT)

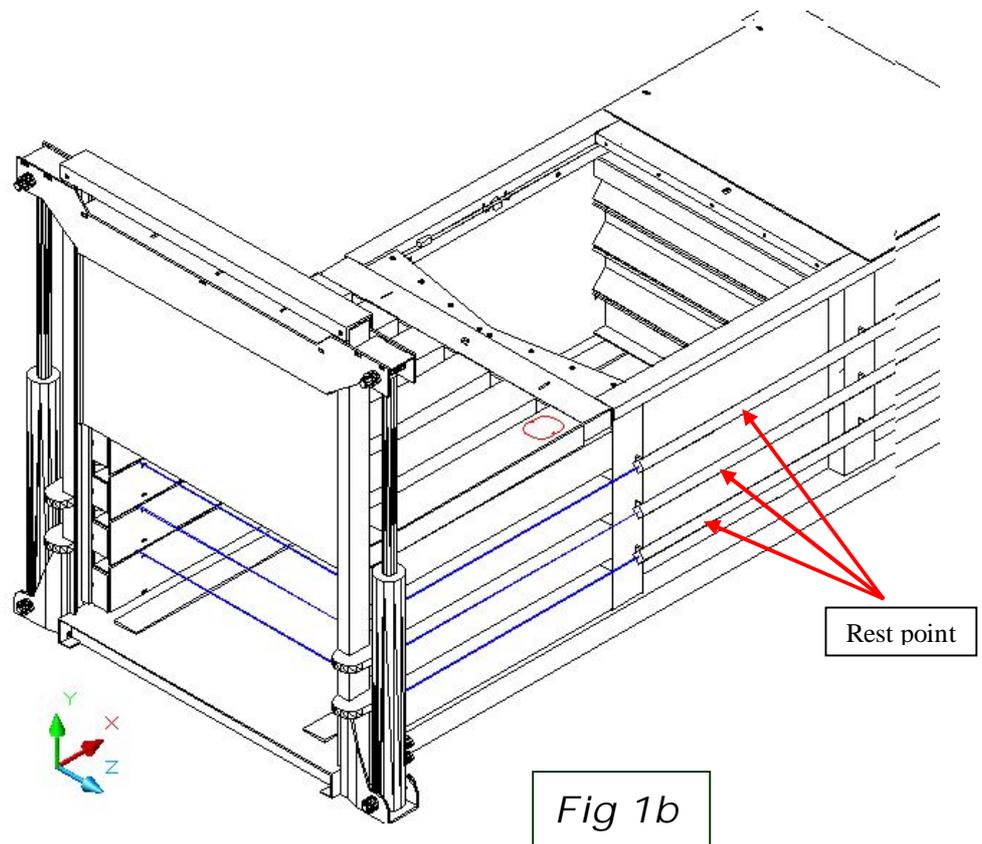
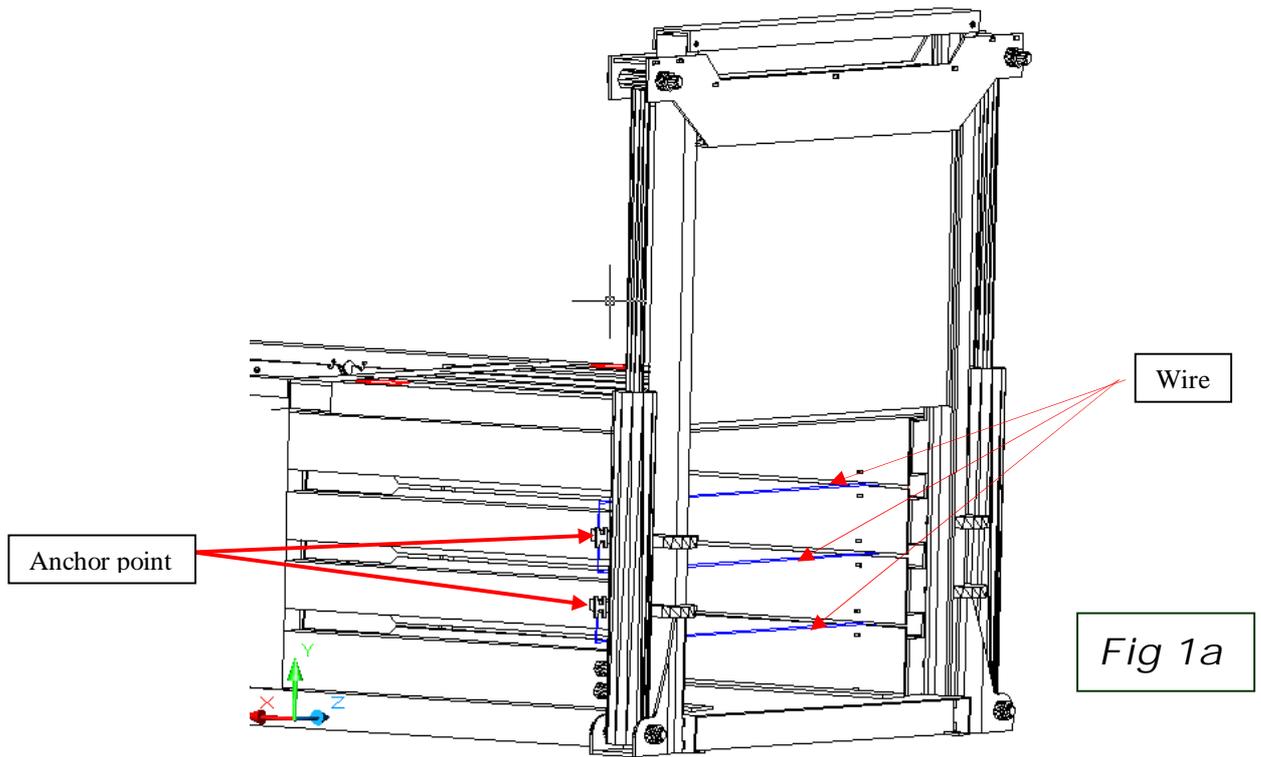
1. Turn on the machine by turning on the isolator switch on the control panel. Then turn the on/off switch to on (pg 26 no.8) and press the start button (pg 26 no.1)
2. Pre-wire the baler as shown (pg 23 fig 1a. & pg 27 no. 3&4) by looping the end of the wire at the anchor point and passing the wire through the machine so that it rests on the rest points provided (pg 23 fig 1b)
3. Close the baler door. (pg 27 no.5)
4. Open the cage
5. Push the bin into the cage and up against the bin lifter. Make sure that the bin is centred between the bin lifter arms. (pg 27 no. 7)
6. Close the cage door. The cage must be fully closed in order for the bin lifter / baler to operate, as must all other doors. (pg 27 no. 7)
7. At the control panel, turn the mode selection key to manual (pg 26 no.11) and turn the selection key to card or plastic to suit the baling material. (pg 26 no.6)
8. Hit the start button. This will start power to the baler!
9. Push the 2 tip buttons simultaneously and hold them in.(pg 26 no 7) This will Start the motor and tip the bin lifter will rise up tipping the material into the baler. As soon as the buttons are released the bin lifter will automatically lower.
10. Once enough material is in the baler, Press and hold the forward button (pg 26 no. 4), this will result in the packing plate moving forward and compressing the bale. Then press the reverse button (pg 26 no. 12) this will result in the packing plate returning to the loading position. Repeat the process until the bale tie light comes on. (pg 26 no. 10)
11. Tie off the bale by inserting the wire guide tube through the centre plate slots (pg 24 fig 1c & pg 27 no.10). Feed the wire through the tube (pg 24 fig 1d & pg 27 no. 11), then remove the tube leaving the wire in the correct side for tying (pg 27 no. 12). Tie the wire into a loop as per figure 4a-c. (pg 25 & pg 27 no.13)
12. Press the up button. The portcullis will open. (pg 26 no. 5)
13. Press the forward button, the packing plate will then eject the bale. (pg 26 no. 4)
14. Press 'Reverse' button until the packing plate reaches the back limit switch and stops automatically. (pg 26 no. 12)
15. Press 'Down' button to lower the portcullis door. (pg 26 no. 14)
16. Repeat the above process to make a new bale.

AUTOMATIC OPERATION (BALER WITH BINLIFT)

1. Turn on the machine by turning on the isolator switch on the control panel. Then turn the on/off switch to on (pg 26 no.8) and press the start button (pg 26 no.1)
2. Pre-wire the baler as shown (pg 23 fig 1a. & pg 27 no. 3&4) by looping the end of the wire at the anchor point and passing the wire through the machine so that it rests on the rest points provided. (pg 23 fig 1b).
3. Close the baler door. (pg 27 no. 5)
4. At the control panel, turn the mode selection key to automatic (pg 27 no. 6)and turn the selection key to card or plastic to suit the baling material. (pg 26 no.11)
5. Push the bin into the cage and up against the bin lifter. Make sure that the bin is centred between the bin lifter arms. (pg 27 no. 7)
6. Close the cage door. The cage must be fully closed in order for the bin lifter to operate, as must all other doors.
7. Hit the start button. This will cause the baler to start the automatic cycle.
8. Push the 2 tip buttons simultaneously and hold them in (pg 26 no 7 & pg 27 no. 8). This will raise the bin lifter & tip its contents into the baler. As soon as the buttons are released the bin lifter will automatically lower.
9. Once enough material is in the baler, this will lead to a break the photocell sensor circuit resulting in the automatic compression of the bale. Repeat the process until the bale tie light comes on. (pg 26 no. 10 & pg 27 no. 10)
9. Tie off the bale by inserting the wire guide tube through the centre plate slots (pg 24 fig 1c & pg 27 no.9). Feed the wire through the tube (pg 24 fig 1d & pg 27 no. 11), then remove the tube leaving the wire in the correct side for tying (pg 27 no. 12). Tie the wire into a loop as per figure 4a-c.(pg 25 & pg 27 no. 13).
10. Press the eject button. The packing plate will retract and the portcullis will open and the packing plate will then eject the bale. (pg 26 no. 13 & pg 27 no. 14)
11. Switch the mode selector to manual (pg 26 no. 11) & press 'Reverse' button until the packing plate reaches the back limit switch and stops automatically. (pg 26 no. 12)
12. Press 'Down' button to lower the portcullis door. (pg 26 no. 14)
13. Repeat the above process to make a new bale.

Operating Instructions

A. Preparing the Baler prior to loading



B. Tying the bale prior to ejection

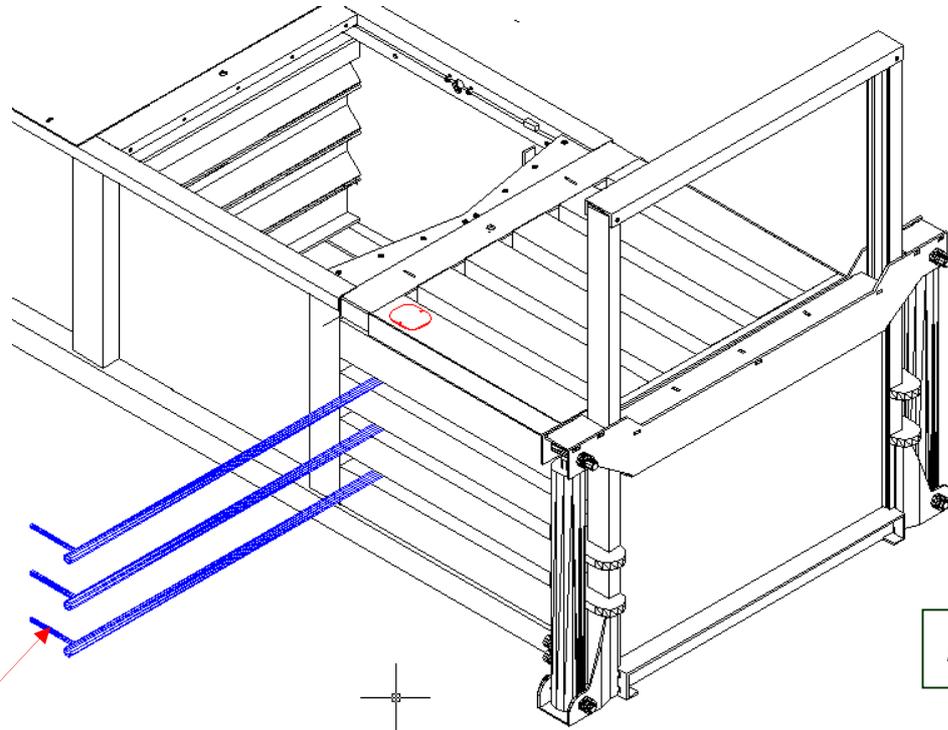
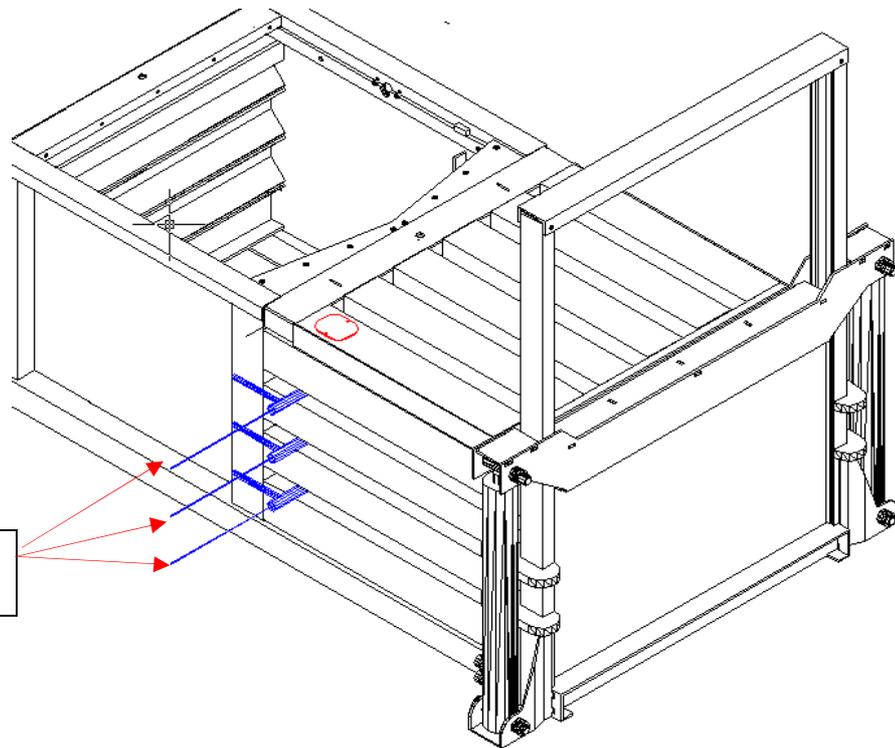


Fig 1c

Wire guide tube

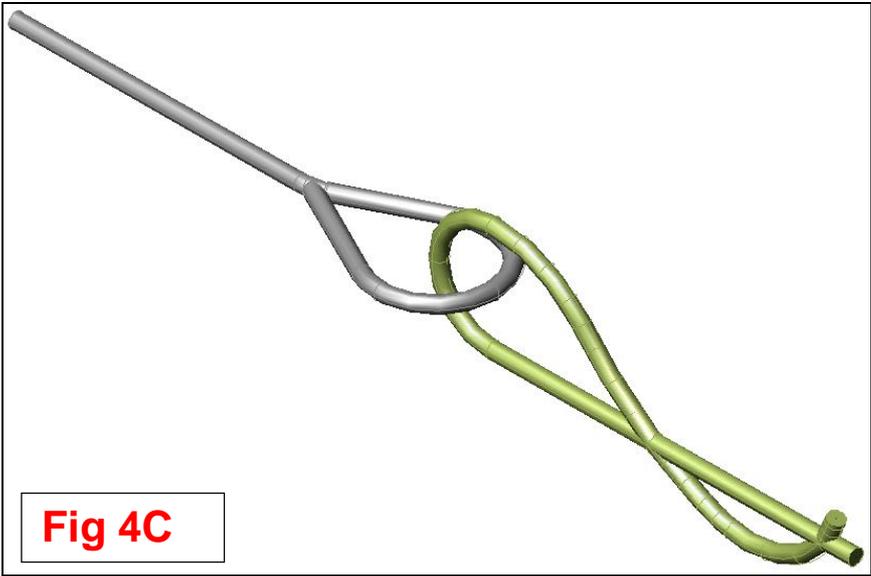
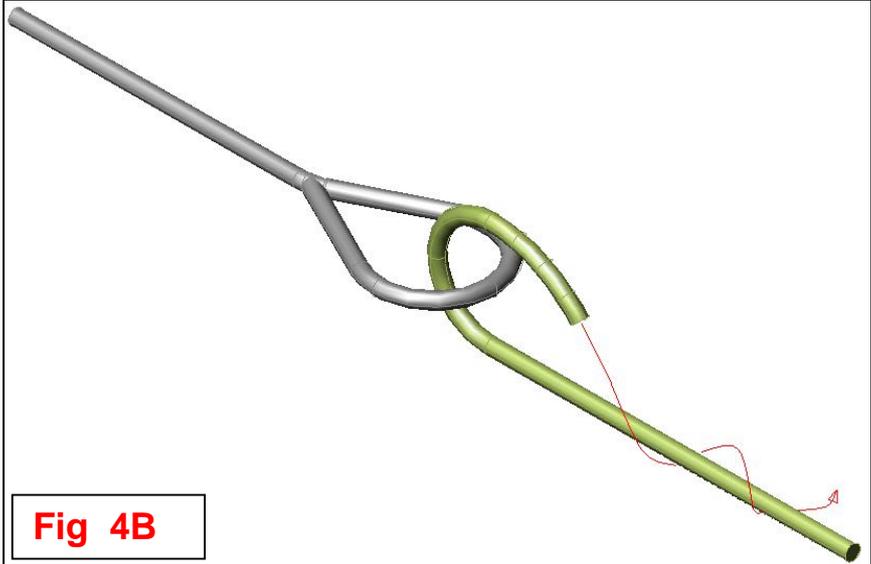
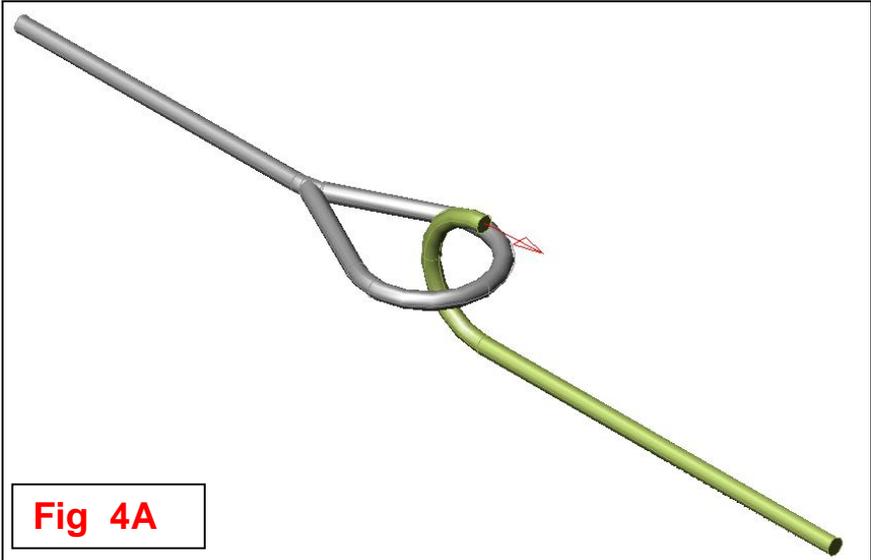


Wire fed through tube

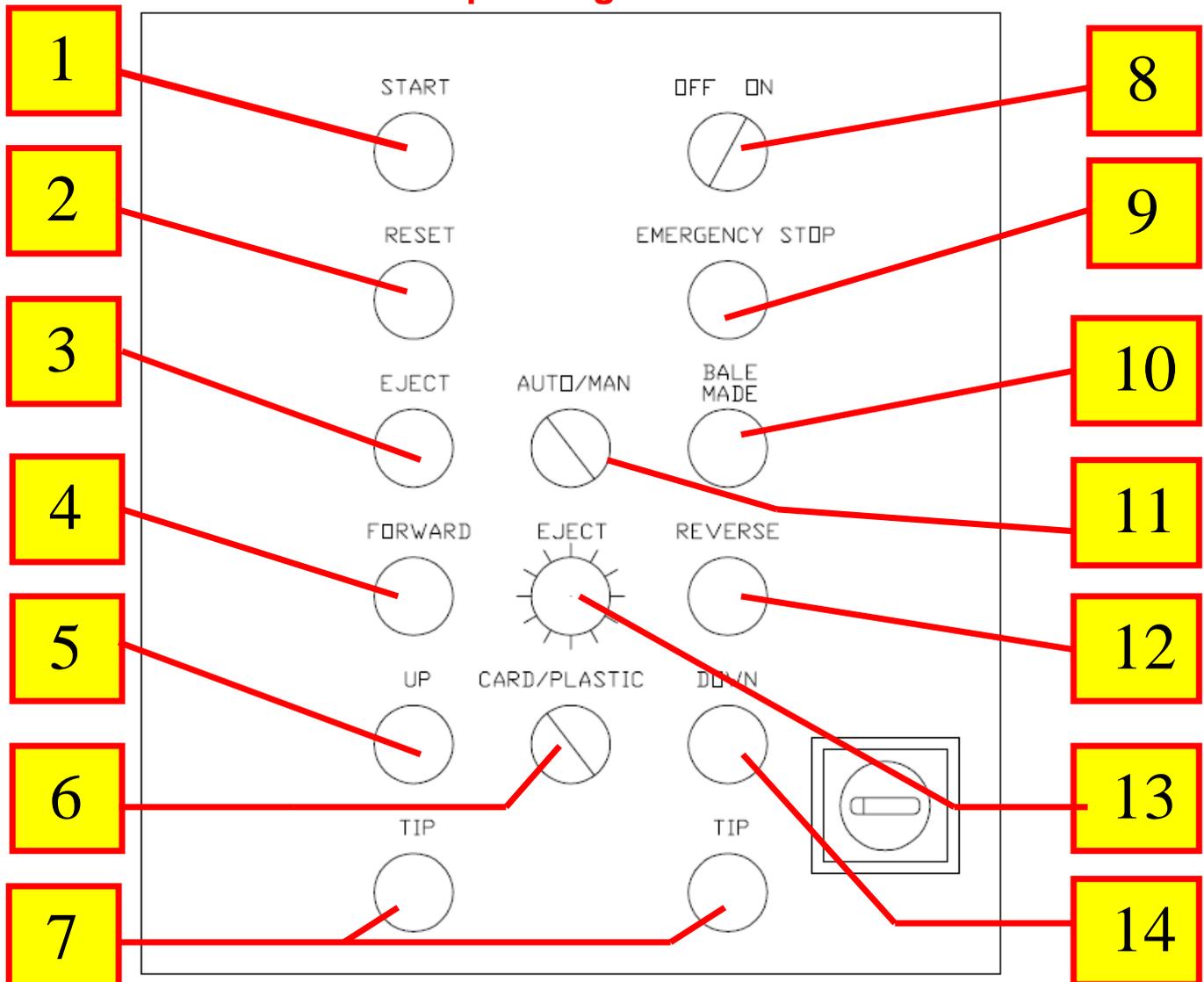
Fig 1d

Operating Instructions

C. Tying the Bale



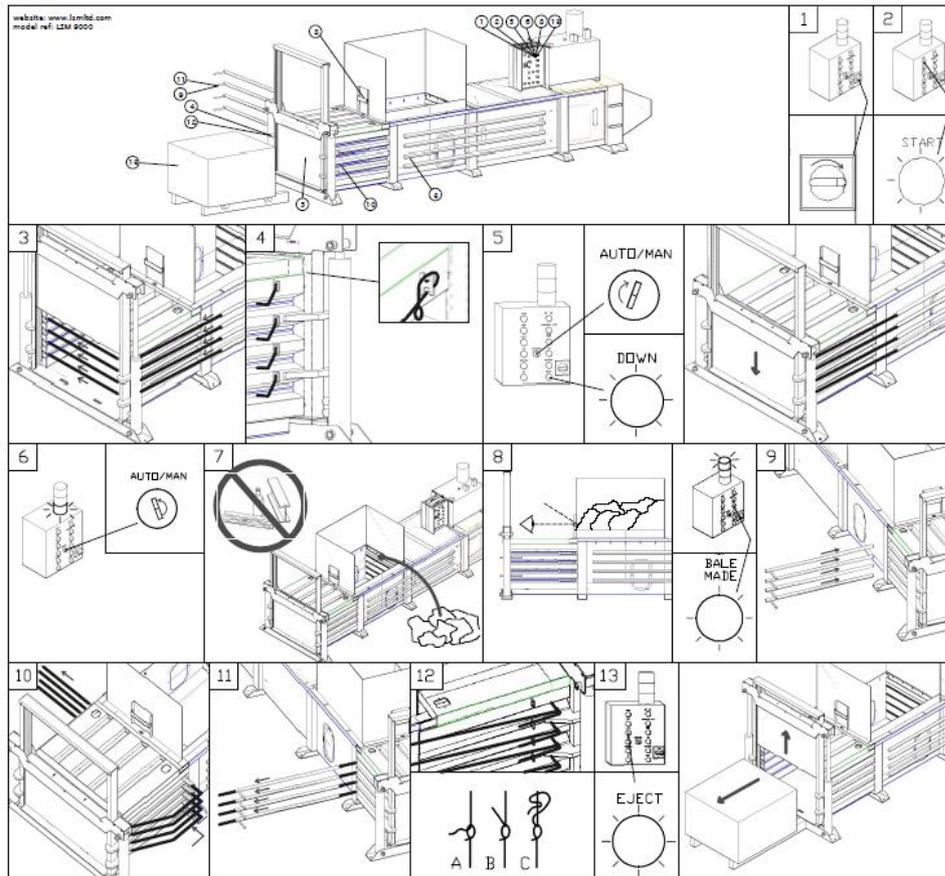
Operating Instructions



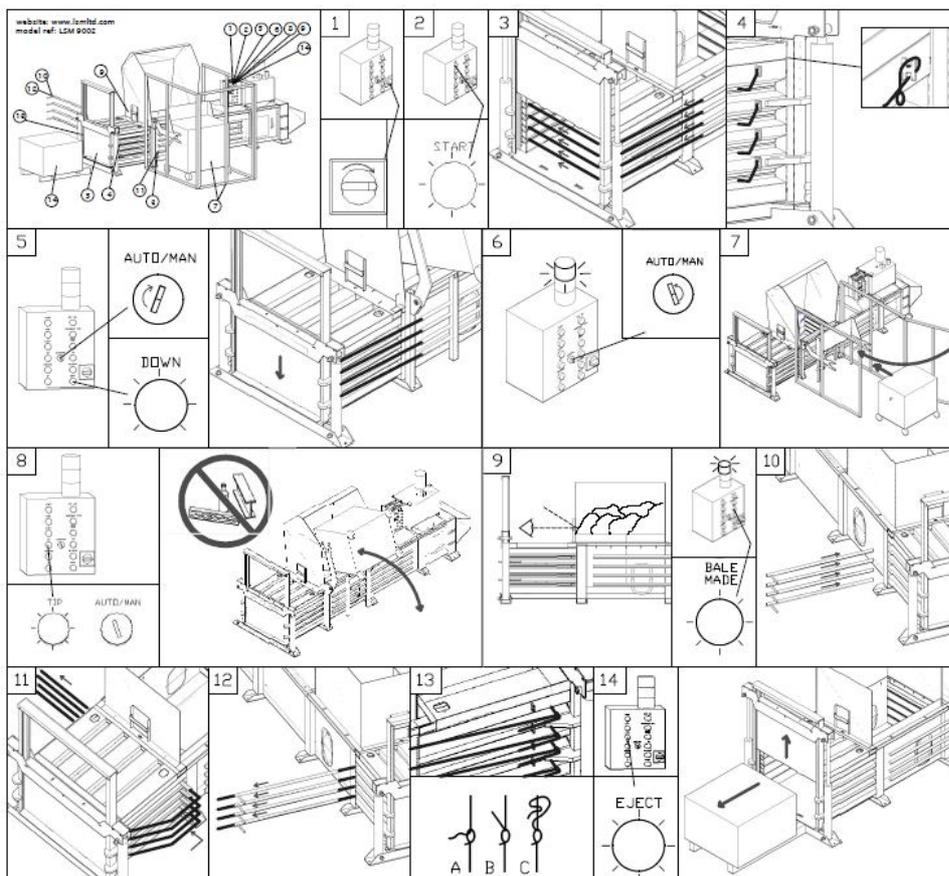
Please note (below) the following explanation for each button on your control panel.

- 1. Start Button:** This button when hit once starts the machine. If mode selection is in auto it will cause the baler to begin an auto cycle. If in manual mode nothing shall happen until the forward / reverse button is held.
- 2. Reset Button:** This button will reset the machine should you encounter any problems.
- 3. Eject Button:** This button ejects the bale.
- 4. Forward button:** This button makes the packing plate ram move forward to compress the bale
- 5. Up Button:** Hold this button to raise the portcullis door.
- 6. Card / Plastic switch:** Turn this switch to card if baling cardboard or plastic if baling plastic.
- 7. Tip Buttons:** Press and hold these buttons together to rise the bin lift (if applicable). Release these 2 buttons to get the bin lift to fall.
- 8. Off / On:** Off / On Key switch (keep key in safe place).
- 9. Emergency Stop:** Emergency stop button.
- 10. Bale made:** Indicator light
- 11. Auto / Manual:** Mode selector switch
- 12. Reverse:** This button makes the packing plate ram move back to the load position
- 13. Eject light:** This light will illuminate when the ejection process is being performed..
- 14. Down Button:** Hold this button to lower the portcullis door.

Operating Instructions Manual fed decals reference



Operating Instructions binlift fed decals reference



Troubleshooting

If your machine is not operating correctly, it is generally due to a loss in electrical power or oil pressure.

Follow these guidelines below to help eliminate the problem.

PROBLEM	CAUSE	REMEDY
No Electrical Power	Power on switch is turned off, Machine is not plugged in. Fuse is blown MCP has tripped Overload has tripped	Turn switch to ON. Check if the fuse has blown. Reset MCP Reset overload
Power is on but ram will not move back or forward	Door open or security hatch / gate open Emergency stop button is activated Machine is not reset	Ensure the doors are closed properly Reset the emergency stop and start again Press the start button on the control panel to reset the machine
Loose Bails		Check that all slack was removed from the strap prior to tying
		Was the bail tied with the piston in the fully back position?

If a problem still exists contact our Service Department on (00353) 57 8660379 or email: info@lsmltd.com or contact your local distributor.

Care and Maintenance

In order to maintain your machine in peak working order, it is necessary to carry out routine maintenance. As pointed out in the Safety section of this manual, no other material than that specified is to be compacted with a WRH500H baler. These materials are as follows:

- **Cardboard, Paper, Plastic, Foam and Soft Materials.**

A. Correct Maintenance and Inspection Procedures

- a. Learn how to service your machine correctly
- b. Follow the correct maintenance and inspection procedures shown in this manual
- c. Inspect machine daily before starting
- d. Check for loose or missing parts

If there is a problem with your machine, contact LSM Engineering Ltd Service Dept.

B. Recommended Maintenance

The following is a maintenance list recommended to you by LSM Engineering Ltd to ensure your machine is kept in peak condition. Due to its simplistic design, the WRH500H BALER requires little maintenance.

The following weekly maintenance is recommended:

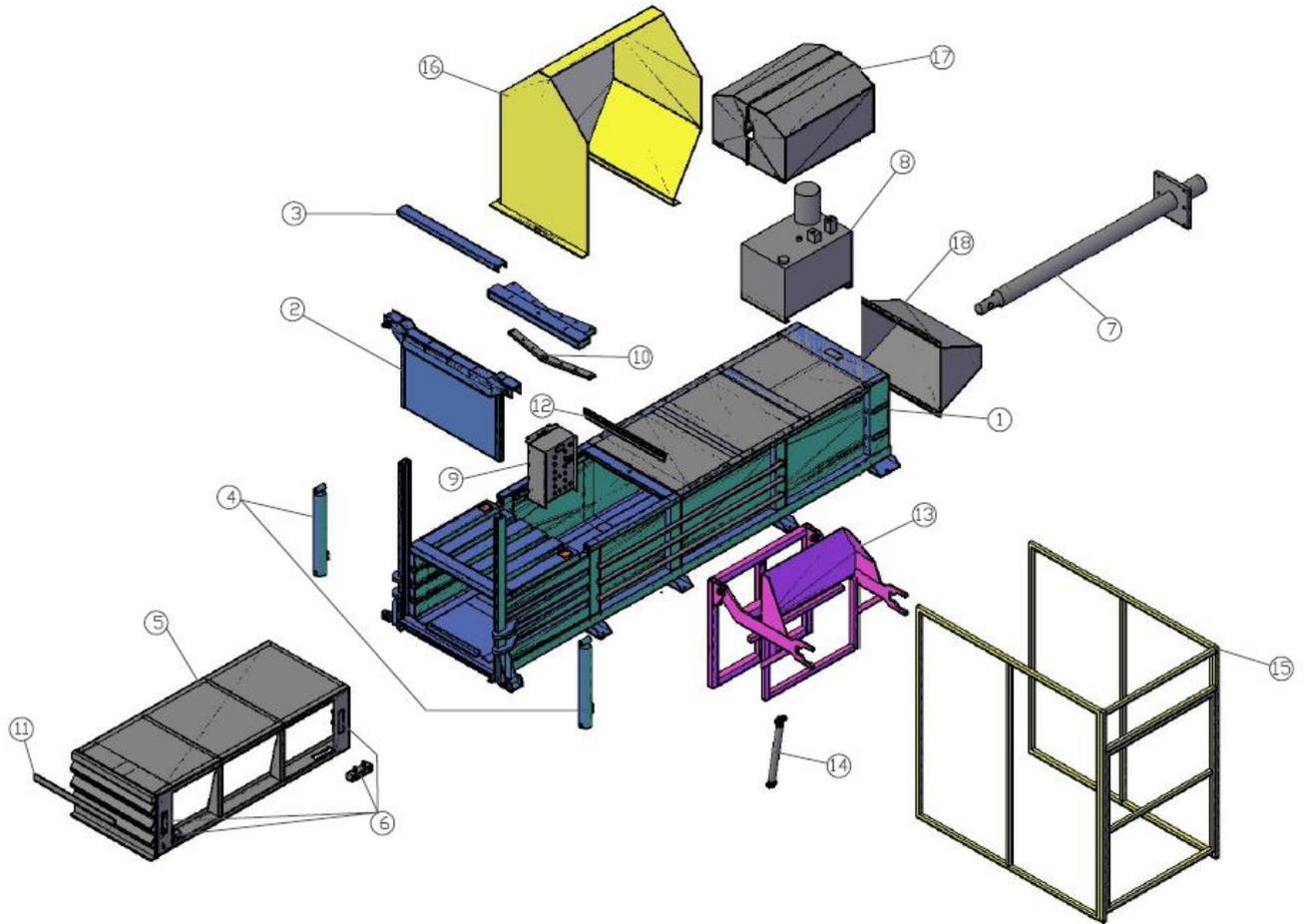
- a. Oil any door hinges or moving latches with WD40 / Grease.
- b. Check tightness on all nuts and bolts after the first use and afterwards on a weekly basis. If loose, contact the LSM Service Department for torque settings.
- c. Check oil level.
- d. Keep machine clean.
- e. Keep behind the packing plate free of debris.**

N.B Use Only Hydraulic Oil of Types: HYD 32 or 68

Note – Use only genuine LSM spare parts.

Note – In order to maximise the life of your LSM Baler it should receive a full service once a year. Contact the LSM Service Department to arrange your service dates.

PARTS LIST – HORIZONTAL BALER



HORIZONTAL BALER PART LIST			
ITEM No.	PART No.	QUANTITY	PART DESCRIPTION
1	500H-BD-00-000	1	Horizontal Baler Body
2	500H-DR-02-000	1	Portcullis door
3	500H-DR-01-003	1	Portcullis door frame top tie
4	500H-RAM-01-001	2	Portcullis door rams
5	500H-CP-00-000	1	Packing plate assembly
6	500H-CP-04-000	8	Packing plate guides (nylons)
7	500H-RAM-02-000	1	Packing Plate Hydraulic Ram
8	500H-MTR-01-000	1	Motor
9	500H-MTR-02-000	1	Control panel
10	500H-BL-01-000	1	Top blade
11	500H-BL-02-000	1	Packing plate blade
12	500H-SC-01-000	1	Rubber scraper assembly
13	BL-00-000	1	Bin lifter assembly (optional)
14	BL-RAM-01-000	1	Bin lifter Ram (optional)
15	BL-CAGE -00-000	1	Bin lifter security cage (optional)
16	BL-HOP-00-000	1	Bin lift hopper (optional)
17	500H-MTR-03-000	1	Motor guard
18	500H-GU-01-000	1	Rear guard

For more details on optional extras and consumables, or to re-order, Contact LSM on LoCall 1890 456 456 or contact info@lsm ltd.com or contact your local distributor.

Terms and Conditions

- 1 **GENERAL:** In these conditions, the 'Company' means LSM Ltd., the word 'Dealer' means a customer of LSM Engineering Ltd. purchasing machines from them for resale at recommended retail prices and the word 'First User' means the first person whom the dealer sells any goods for actual use. The company's employees may negotiate orders and issue quotations, but an order is only binding on the company when it has been acknowledged the order in writing on the company's official acknowledgement forms. Such acknowledgement and confirmation will only be given subject to these conditions of sale and the acceptance of the goods either at the dealer's premises or those of the first user if delivered direct to the first user shall bind the dealer and the dealer shall only sell to a first user. on conditions which incorporate the company's warranty and if he fails to sell the dealer shall have no claim whatsoever against the company except in so far as the company will honour the warranty to the dealer and through him to the first user. The term goods where used means such articles as are invoiced by the company whether manufactured, imported, distributed or otherwise sold by them.
- 2 **DELIVERY:** Should the company be prevented from delivering any goods owing to any lock-out, strike, weather conditions, or other exceptional causes occurring either at their own premises, or elsewhere, then delivery shall be postponed until a reasonable time after the occurrence has ceased to cause delay unless the parties shall mutually agree to the cancellation of the contract in respect of such goods.
- 3 **CANCELLATION OF ORDERS:** The only grounds for acceptance of a cancellation of an order shall be the non-acceptance of these terms and conditions by the dealer and then only if:
 - a Within seven days of receiving notification of these Terms and Conditions the dealer notifies the company in writing of its non-acceptance.
 - b The dealer pays the company any losses suffered including all carriage charges if these have been incurred.
- 4 **DELAYS:** While every effort is made to adhere to delivery dates or times quoted by the company though given in good faith are mere estimates only. The company accepts no Liability for delay in delivery or for the consequences of such delay however caused nor shall the dealer be entitled to reject goods by reason there.
- 5 **DESIGN:** No responsibility is accepted for any deviation from drawings or from illustration in catalogues, price lists, brochures or advertising material for discrepancies in weight, rated outputs, performance from these mentioned therein which shall be treated as illustrated and approximate only.
- 6 **PRICES:** Any fluctuation in prices arising after the contract but before dispatch shall entail adjustment in the contract price and the price to be paid shall be fixed at the date of dispatch.
- 7 **DAMAGE, SHORTAGE OR LOSS:** The Company do not accept any responsibility for any damage, shortage or loss in transit when goods are dispatched to instructions and where the transit is effected through a third party and not the company itself.
- 8 **CONDITIONS OF SALE:** The dealer shall only resell any of the company's products with the full and unaltered warranty which is issued with every machine invoiced by the company and which is entailed in clause 9. If the dealer either through negligence or for any other reason cause fails to get the agreement of the first user to accept this warranty the dealer shall have no other resource against the company except that contained in these conditions of sale and the dealer expressly agrees that in accepting delivery he has no recourse in law against the company nor will he join the company as third or other party in any action which results against him for the resale of the company's products.
- 9 **WARRANTY:** The Company warrants its products through the dealer to the first user. The Dealer shall only resell the company's machines with the benefit of the company's warrant:
 - i The company warrants its products, subject as hereinafter provided, that all new goods supplied by it shall be free from defects in material and workmanship, its liability under such warranty being limited to making good at a factory to be nominated by it, such part or parts which shall within twelve calendar months from the date when the product was delivered new to the retail purchaser be returned to the company and is satisfied on its examination of the part or parts to have been defective in material or workmanship provided that:
 - A All replaced parts shall become the property of the company.
 - B The foregoing warranty does not extend to any product which has been repaired, altered, neglected or used in any way so as, in the judgement of the company (whose decision is final) may have adversely affected its stability or reliability, nor does this warrant apply to proprietary articles, accessories or parts not manufactured by the company but where any such warranty is given by the manufacturers of such articles accessories or parts, any benefits under such warranty will be passed on by the company.
 - C The company will not be responsible for damage or loss caused by incorrect machine settings, ground speed or operation of the machine in unsuitable conditions and the Company's decision as to the suitability whatsoever is accepted for damage, which in the company's opinion are caused by hazards of soil, stone or foreign objects.
 - D The warranty is transferable to a second or subsequent owner (within the warranty period) subject for damage, which in the company being notified in writing of this change of ownership.
 - E Complaints referring to faulty incomplete deliveries or to obvious faults must be notified to the dealer in writing within fourteen days after receipt of goods. In the absence of such notifications delivery shall be considered as having been accepted as in good order and condition.
 - ii The company does not give any warrant in respect of goods except the forgoing warranty which is given expressly in lieu of and excludes all other warranties and conditions expressed for implied whether under Common Law, Statute or otherwise and every form of liability for loss and damage direct or consequential or for any accident resulting from defective material, faulty workmanship or otherwise, is expressly excluded.
- 10 **LIABILITY:** In no circumstances whatsoever shall the company's liability (in contract, tort or Otherwise) to a buyer arising under out of or in connection with this contract or the goods supplied exceed the invoice price of the particular goods in regard to which complaint is made.
- 11 **TITLE OF THE GOODS:** The title in the goods shall not pass to the customer until the customer has discharged all sums due by the customer to the company at the date of the final handing over of the possession of the goods.
- 12 **INTEREST:** If the customer shall fail to pay any sum on foot of this transaction within fourteen days after the same shall become due, the customer shall pay interest thereon calculated from the due date of payment at an annual rate equal to 4% over the prime rate charged from the time by the associated banks on unsecured loans to individual customers.

Installation/ Training

The following methods / procedures must be explained to the intended machine operator before the machine is handed over. By signing the bottom of the sheet the operator is conforming that they are confident of using the machine safely

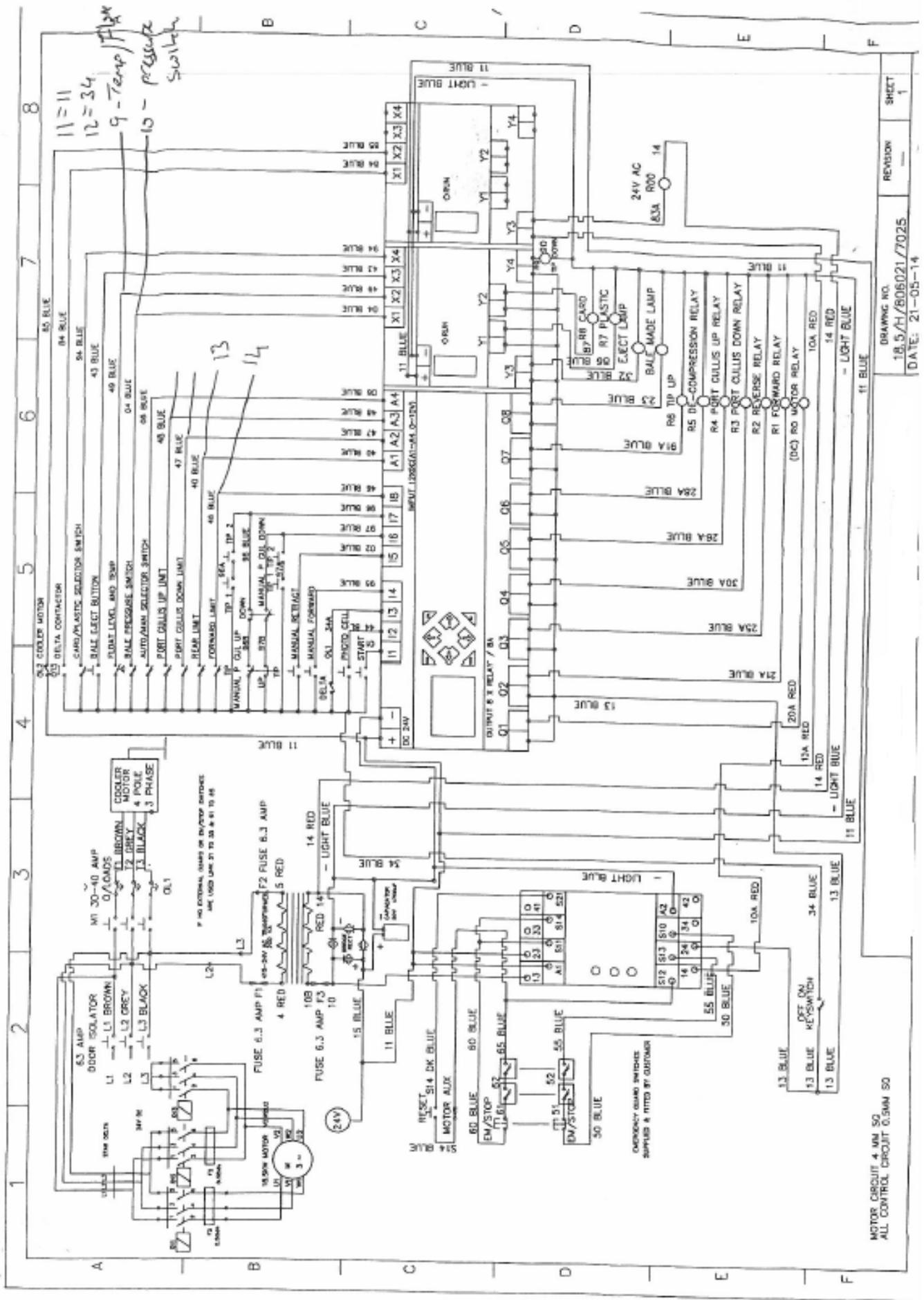
Client	
Address	
Phone	
Type of Machine:	
Serial No(s)	

	YES	NO
Correct site for machine		
Installation of machine		
Safe method of connecting / disconnecting power supply		
Safe use of operational controls		
Safe loading of machine		
How to form a bale and tie straps		
How to safely remove the bale from the machine		
Machine Safety features & Decals explained ³²		

I confirm that all aspects of using the above machine have been explained to my satisfaction

Name (Print) _____
Name (Sign) _____
Position _____
Date _____
Trainer _____

Electrical drawings



DRAWING NO. 18,5/H/805021/7025	REVISION
DATE: 21-05-14	SHEET 1

1 2 3 4 5 6 7 8

TIMERS	DESCRIPTION	DEFAULT SETTING
T1	DELAY FORWARD TIMER	3 SECS
T2	DELAY AFTER FRONT LIMIT	10 SECS
T3	OVERAL CYCLE TIMER	110 SECS
T4	DECOMPRESSION TIMER	3 SECS
T6	PHOTOCELL START TIMER	5.5 SECS
T7	PHOTO DIRTY TIMER	25 MINS
T0F	TIP DELAY TIMER	8 SECS
T10	EXTEND TIMER	27 SECS
T11	BALE DECOMPRESSION TIMER	1 SECS
T12	IN MANUAL DELAY TIMER	1.5 SECS
T17	EJECT BALE OUT TIMER	45 SECS
T1C	TIP DOWN TIMER	20 SECS
T1D	MOTOR DELAY OFF	0.8 SECS

DRAWING NO.
15/H/804020/6820
DATE: 09-05-14

REVISION
—

SHEET
P

1 2 3 4 5 6 7 8

COUNTERS	DESCRIPTION	DEFAULT SETTING
C02	BALE COUNTER	999999
C03	CYCLE COUNT	999999
C04	COOLER ON TIMER	3600 SECS
C0C	AUTO TIP UP TIMER	14 SECS
C0D	AUTO TIP DOWN TIMER	10 SECS
C0E	DWELL AT TOP TIMER	1 SECS

SET AUTO TIP
PRESS Z1 FOR 1 SEC

RESET AUTO TIP
PRESS Z1

SET PHOTOCELL
PRESS Z3 FOR 5 SEC

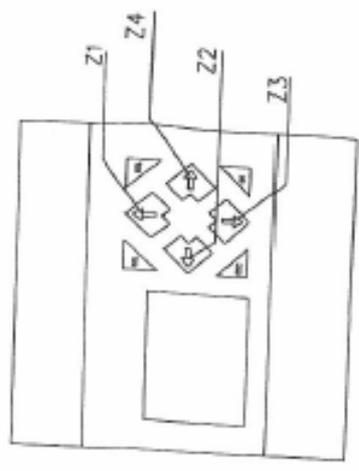
RESET PHOTOCELL
PRESS Z3 FOR 1 SEC

SET TIP
PRESS Z2 FOR 5 SEC

RESET TIP
PRESS Z2 FOR 1 SEC

SET BLADE RETURN
PRESS Z4 FOR 5 SEC

RESET BLADE RETURN
PRESS Z4 FOR 1 SEC



A B C D E F

DRAWING NO. 15/H/504020/6820
REVISION
SHEET P2

STAR DELTA

U1 - BROWN
V1 - GREY
W1 - BLACK

- CABLE 1

U2 - BROWN
V2 - GREY
W2 - BLACK

- CABLE 2

Cables in door up limit
door down limit

Buzzer

Phot cell

Hooper safety switch

✓ Power in

✓ Power to motor X2.

✓ multi core x1