INSTRUCTION HANDBOOK FOR 'FOODMOVE' UNLOADER

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GENERAL DESCRIPTION OF 'RETAIL UNLOADER'

The ***FOODMOVE*** 'Retail Unloader' machine is designed to make the unloading of Foodcap® bins a safe and easy operation. It is powered by a 12-volt battery, driving a low-pressure hydraulic system.

Foodcap bins can be simply wheeled into the lifting cradle of the machine; this operation raises them slightly off the ground. Once a bin is in the cradle, the Unloader can be moved easily around. To unload the bin, simply press the **'↑'** button to lift the trays. Press the **'↓'** button to lower the trays.

When finished with a bin, simply pull it out from the cradle.

'Retail Unloaders' are maintenance-free, and are usually made with zinc-plated and powder-coated steel. With a little care, they should give many years of trouble-free service.

GENERAL INSTRUCTIONS FOR USE

- To put a bin onto the cradle, first engage the floor lock. If the cradle arms are not already in the extended (lowered) position, pull them out and down. Then simply wheel the bin into the cradle, and push it back until it reaches the back-stop.
- Connect the tray hook to the centre tray-support rod.
- Press the **'↑'** button to lift the trays. Release the button to stop lifting. Release the button down once the lift ram has reached the top of its travel.
- Press the **'↓'** button to lower the trays.
- To remove a bin, lower the lift arm fully and release the lifting hook, then pull the bin out. The cradle arms will move forward and down and place the bin gently on the floor.

CHARGING THE BATTERY

The battery is sealed and requires no maintenance apart from charging. The charger is fully automatic, and the machine may be left on charge for extended periods without harm to the battery.

To charge, simply plug the charging lead into the socket on the machine, and then plug the other end into a standard wall socket, preferably one with RCD protection.

The battery status LED has 3 states:

- Green means the battery is charged and ready for use.
- Red steady means the charge is getting down, and the battery should be recharged as soon as possible.
- Red flashing means the battery is discharged and should be recharged immediately.

CARE AND MAINTENANCE

Your ‘Retail Unloader’ is essentially maintenance-free, but as with all machinery, a little care will prolong its life and keep it looking good.

- Only travel with the lift arm down, to avoid damage to the chrome bar.
- Take care when pushing the machine over uneven floor surfaces, to avoid damage to the castors.
- Zinc-plated/powder-coated machines should be cleaned with a damp cloth and mild cleaning solution. Stainless-steel machines may be cleaned with high-pressure water and heavier-duty cleaning solutions. Take care not to get water into the charging socket; if it does, dry it carefully before plugging the charger in.

Hazard and Risk Assessment for FOODMOVE Retail Unloaders

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Risk Ranking Method

Risk is the combination of the likelihood of a specific unwanted event and the potential consequences if it should occur. For each event, the probability of it occurring is matched to a letter A to E from the list below, and the probable consequence if it did occur is matched to a number 1 to 5.

Probabilities

A. Common or repeating occurrence
B. Known to occur, or 'it has happened'
C. Could occur, or 'I've heard of it happening'
D. Unlikely to occur
E. Practically impossible

Consequences for People

1. Fatality or permanent disability.
2. Serious lost time, injury or illness
3. Moderate lost time, injury or illness
4. Minor lost time, injury or illness
5. No lost time

Based on AS / NZ 4360: 1995 Risk Management

Risk Ranking Table

The consequences (loss outcomes) are combined with the probability of those outcomes in the risk ranking table to identify the risk rank of each loss event, (e.g. a consequence of 3 with a probability of B yields a risk rank from of 9. A rank of 1 is the highest magnitude of risk for a highly likely, very serious event. A rank of 25 represents the lowest magnitude of risk, an almost impossible, very low consequence event.

CONSEQUENCES IF EVENT DOES OCCUR MINOR ←-----→ SERIOUS	PROBABLILITY OF EVENT OCCURING COMMON ←-----→ UNLIKELY				
	A	B	C	D	E
1	1	2	4	7	11
2	3	5	8	12	16
3	6	9	13	17	20
4	10	14	18	21	23
5	15	19	22	24	25

1 - 3	**Extreme**	**4 - 6**	**Serious**
7 – 9	**High**	**10 – 12**	**Significant**
13 – 16	**Moderate**	**17 – 19**	**Low**
20 – 22	**Very Low**	**23 – 25**	**Insignificant**

Construction

FOODMOVE Retail Unloaders have a main steel frame comprising a vertical mast and stabilising legs, fitted with 2 castors and 2 fixed wheels. A frame comprising arms to support the bin is mounted on 4 link-arms, which pivot at the top and bottom, and allow the bin to be raised from the floor.

Operation

A hydraulic ram provides the force to lift the tray arm. The ram is supplied by a battery-powered hydraulic power pack. Electrical, hydraulic, and / or mechanical control mechanisms allow the operator to raise or lower the trays in a controlled manner.

Potential Hazards

Risk Ranking

1. **Use by unauthorized or untrained personnel** — **C4 = 18 (Low)**

   Control Method: Only allow trained and authorized operators to use the machine. If machine will be in an area where unauthorized persons have access, fit a key - operated isolating switch. Operators must read and obey the instructions displayed on the machine.

Potential Hazards cont'd..

Risk Ranking

2. Trapping of hands by moving tray arm. **C3 = 13 (Moderate)**

Control Method: All persons other than the operator must keep well clear while the machine is in use.

NOTE: the lift arm comes down by gravity alone.

3. Machine being tipped over **D4 = 21 (Very Low)**

Control Method: Never operate on uneven or sloping ground. Engage the wheel brakes before use.

4. **Flammable gases generated during charging of batteries.** **D4=21 (Very Low)**

Control Method: Charge only in a well - ventilated area, preferably a designated area displaying signs stipulating 'No Smoking', 'No Sources of Ignition'.

6. Electrocution **D1 = 7 (High)**

Control Method: Ensure the charging lead is in good condition. Replace the lead if the insulation is damaged. Keep dry, and charge in dry areas. Fit an RCD to the supply socket.

Conclusion

FOODMOVE Retail Unloaders are designed and manufactured to be safe to operate. A significant safety margin is built in to all load-bearing parts.

Warranty

The conditions detailed below are a brief summary only. A full "Warranty Terms and Conditions" document is available on request.

FOODMOVE Retail Unloaders **are warranted by the manufacturer against faulty workmanship and defective materials for a period of 24 months from the date of purchase.**

Such warranty is subject to the following conditions:

1. Under the terms of this warranty, the manufacturer agrees to repair or replace, at his own discretion, any parts that fail due to poor workmanship or faulty materials. It does not extend to any other loss or damage including consequential loss or damage or loss to other property or persons.

Contd..

2. Without limiting the generality of paragraph 1 above, this warranty does not cover the following:
    a) Travel expenses or freight.
    b) Damage caused by accident, misuse or abuse.
    c) Damage to any goods which have been altered or modified by someone other than the manufacturer or its authorised agent.
    d) Damage or loss to the goods due to their unsuitability for any particular use.

3. No claims will be recognised unless authorisation is obtained from the manufacturer before any repairs are done.

FOODMOVE Retail Unloaders **are designed and manufactured in New Zealand by:**

SIMPRO HANDLING EQUIPMENT LTD

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Also available from *Simpro*:

Multi-Tip® **bin-tipping machines**

- ***Dumpmaster*** **and** ***MegaDumper*** **heavy-duty bin-tipping machines**
- ***Quikstak*** **"smart-stackers" – eliminate bending and lifting while unloading pallets**