



# Clemas & Co Ltd

Industrial Cleaning Equipment  
Sales - Hire - Service

## TRUVOX ORBITAL 1500 ROTARY OPERATOR MANUAL



**Clemas & Co.** Unit 16 Ashchurch Business Centre, Alexandra Way, Tewkesbury,  
Gloucestershire, GL20 8NB.

**Tel:** 01684 850777

**Fax:** 01684 850707

**Email:** [info@clemas.co.uk](mailto:info@clemas.co.uk)

**Web:** [www.clemas.co.uk](http://www.clemas.co.uk)

**IMPORTANT**  
**BEFORE USE READ THESE INSTRUCTIONS AND RETAIN FOR FUTURE REFERENCE**

**INTRODUCTION**

The following instructions contain important information about the machine and safety advice for the operator. Equipment must be operated, serviced and maintained in accordance with the manufacturer's instructions. If in doubt contact the supplier of your machine.



**Read all instructions before using the machine**

**PRODUCT INFORMATION**

These commercial floor treatment machines are designed for the scrubbing and polishing of hard floors and/or shampooing of carpets in indoor areas. This machine is for indoor use only. The machine is intended for commercial use, for example in hotels, schools, hospitals, factories, shops, offices, rental businesses and other than normal housekeeping purposes.

**TECHNICAL SPECIFICATIONS**

Model		Orbis Orbital 1500
Product Code		OB451500
Voltage AC (~)/ Frequency	V/Hz	230 / 50
Motor Power	W	1100
Pad / brush speed	rpm	1490
Working width	cm	43
Sound pressure level	dB(A)	62.1
Sound power level	dB(A)	70.4
Dimensions (L x W x H) with handle	cm	66 x 46 x 125
Dimensions (L x W x H) without handle	cm	66 x 46 x 29
Weight	kg	50.5
Cable length	m	15
Ingress Protection Rating		IPX4
Warranty		1 year subject to conditions

- Handle vibration does not exceed 2.5 m/s<sup>2</sup> when operating on a smooth hard surface.
- Noise levels measured at a distance of 1 metre from machine and 1.6 metres above floor, when operating on a hard floor. Measurements recorded using a hand held meter.
- Above dimensions are approx. Since the company's policy is to continuously improve the product, there could be changes without prior notice.

**EC Declaration of Conformity**

Machine Type: Floor Cleaning Machine  
 Model: OB451500...

This machine is in conformity with the following EU directives:

- Machinery Directive 2006/42/EC
- The EMC Directive 2014/30/EU

Applied harmonised standards:

EN60335-1, EN60335-2-67, EN55014-1, EN55014-2, EN62233, EN61000-3-2, EN61000-3-3

Truvox International Limited  
 Unit C (East), Hamilton Business Park,  
 Manaton Way, Botley Road,  
 Hedge End, Southampton,  
 SO30 2JR, UK

*M. Eneas*

Malcolm Eneas  
 Operations Manager  
 Southampton, 02/11/2018

**WASTE ELECTRICAL & ELECTRONIC EQUIPMENT (WEEE)**



**DO NOT** dispose of this device with unsorted waste. Improper disposal may be harmful to the environment and human health. Please refer to your local waste authority for information on return and collection systems in your area.

**IMPORTANT SAFETY ADVICE**

The safety information described in this manual provides basic precautions and supplements standards in force in the country where the machine is used.



This symbol warns the operator of hazards and unsafe practices which could result in severe personal injury or death.



**WARNING – to reduce the risk of injury, electric shock or fire.**

1. This machine must only be used for the manufacturer's approved application as described in this manual.
2. The machine must be unpacked and assembled in accordance with these instructions before connecting to the electrical supply.
3. Only genuine accessories and spare parts provided with the machine or those approved by the manufacturer should be used. The use of other accessories may impair the safety of the machine. All repairs must be performed by a qualified service agent.
4. **DO NOT** modify the machine from its original design.
5. Operators must be fully trained in the use of the machine in accordance with these instructions, able to perform regular user maintenance and the correct selection of accessories.
6. Operators should be physically capable to manoeuvre, transport and operate the machine.
7. Operators should be able to recognise unusual operation of the machine and report any problems.

8. This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the machine by a person responsible for their safety.
9. Keep children and unauthorised persons away from the machine when in use. **DO NOT** use as a toy.
10. **DO NOT** use if it has been damaged, left outdoors or dropped in water.
11. **DO NOT** use where hazardous dust is present.
12. **DO NOT** use in an explosive atmosphere.
13. **DO NOT** pick up or use near flammable or combustible fluids, hazardous dusts or vapours.
14. **CAUTION** - If it is suspected that there is hazardous dust or flammable/corrosive material, stop cleaning the area immediately and consult your superior.
15. **DO NOT** use to clean up any burning or lighted materials such as cigarettes, matches, ashes or other combustible objects.
16. Only use the machine on firm level surfaces. **DO NOT** use on a gradient or slope of more than 2%.
17. **DO NOT** use on rough uneven surfaces e.g. industrial or coarse concrete surfaces.
18. **DO NOT** use outdoors e.g. on patios, decks or rough surfaces.
19. **CAUTION** - This machine is for dry indoor use only and should not be used or stored outdoors in wet conditions.
20. Take care when using a machine near the top of stairs to avoid overbalancing.
21. **DO NOT** cover the machine when in use.
22. Stand with feet slightly apart to maintain good balance. Avoid twisting the body more than 45 degrees.
23. **DO NOT** wash and vacuum corrosive, flammable and/ or explosive liquids, even if diluted.
24. Keep hair, loose clothing, hands, feet and all other parts of the body away from openings and moving parts.
25. **DO NOT** put any object into openings. **DO NOT** use with any opening blocked; keep free of dust, debris and anything that may reduce airflow.
26. **DO NOT** use volatile or combustible solvents (e.g. diesel/petrol/IPA/trichloromethane) nor any corrosive, toxic or highly irritant substances to wash floors, even if diluted. In the event of accidental contact with any such substances(e.g. due to spills) follow the decontamination procedures in force at the user site.If in any doubt about the condition of the machine, contact Truvox or the dealer/agent who supplied the machine.
27. **DO NOT** operate the machine if it malfunctions or is damaged in any way. Contact an authorised service agent for repair or adjustments.
28. **DO NOT** leave the machine connected to the electricity supply when not in use, always remove the plug from the socket-outlet.
29. **WARNING DO NOT** fill the machine with water hotter than 40°C.
30. Never use excessive foaming or highly corrosive cleaning solutions.
31. Warm water can be used to aid cleaning, however this can increase the risk of colours fading and carpets to shrink.

## ELECTRICAL HAZARD



32. **DO NOT** operate the machine with a damaged power cord or plug, or after the machine malfunctions or is damaged in any way. Contact an authorised Service Agent for repair or adjustment.
33. The machine must be kept clean and in good condition with regular inspections of the power cord and plug for signs of any damage. If any parts are damaged they shall only be replaced by an approved part by the manufacturer, its service agent or a similar qualified person in order to avoid a hazard.
34. Only replace the power cord with the type specified in the instruction manual.
35. When unplugging, pull the plug, not the power cord.
36. **WARNING:** Keep the power cord clear of moving parts.
37. **DO NOT** kink or twist the power cord and keep cord away from heated surfaces.
38. The power cord plus any extension leads should not exceed 30 metres in total. The cross section of an extension cable wiring must be at least 2.5mm<sup>2</sup>.
39. **DO NOT** pull or carry by the power cord. **DO NOT** use cord as a handle, close door on cord or pull cord around sharp edges or corners.
40. **DO NOT** operate switches or touch the mains plug with wet hands as this may cause electric shock.
41. This machine should always be connected to a fully earthed power supply of the right voltage and frequency.
42. The machine shall be disconnected from its power source when not in use and before commencing cleaning of the machine or maintenance and when replacing parts or accessories, by removing the plug from the socket-outlet.
43. **DO NOT** clean the machine using water sprays or jets.

## CLEANING AGENTS

1. When using cleaning and care agents, the manufacturer's danger warnings must be followed and protective goggles and clothing must be worn.
2. Only use low-foaming, non-combustible cleaning agents which do not contain generally health-hazardous substances.
3. Please ensure that after each use any chemical residue is rinsed out with clean water.

## TRANSPORTING THE MACHINE

- **CAUTION** - This machine is heavy.
- Take extreme care when moving the machine up or down steps or stairs.
- Incorrect lifting techniques may result in personal injury. We advise that the manual handling regulations are followed. Carefully wrap the power cord and store in dry indoor location.
- **DO NOT** expose the machine to rain or moisture.
- When transporting the machine ensure that all components, tanks and removable parts are securely fastened, and that the power cord and plug are not trailing.
- Ensure the machine is empty prior to lifting or transporting.
- **DO NOT** attempt to lift the machine without assistance.

- When moving the machine, the handle should be locked and the machine tilted back on its wheels.
- **DO NOT** lift or transport the machine whilst containing liquid as this will add considerably to the weight.
- When transporting the machine the handle should be locked in the upright position.

## STORAGE

- Always switch off the machine after use.
- Store the machine in a dry indoor area only.
- Wrap the power cord around the handlebar ensuring that the plug is not trailing on the floor.
- Never store the machine with a pad fitted as this causes distortion, and results in instability during operation.
- Always switch off, empty, wipe down and dry the machine after use.
- **IMPORTANT** – To dispose of unused cleaning solution, comply with the standards in force in the country in which the machine is being used.

## MAINTENANCE



**WARNING - Before undertaking maintenance operations or adjustments switch off machine and unplug from the electricity supply.**

**IMPORTANT – All other servicing and repairs should only be performed by a Truvox engineer or Authorised Service Agent.**

**IMPORTANT** – Should the machine fail to operate please refer to the fault diagnosis section in the back of this instruction manual. If the problem / remedy is not listed please contact Truvox Customer Service Department for rapid attention.

The machine requires minimum maintenance apart from the following checks by the operator prior to use:

- Body of the machine - Clean with a damp cloth.
- Power cord - Regularly inspect sheath, plug and cord anchorage for damage or loose connection. Only replace the power cord with the type specified in these instructions.
- Air vents - Check for dust accumulation around the air inlet and outlet vents of the motor cooling-air system and clean if necessary.
- Blocked vents will cause the motor to overheat, and may lead to premature failure. Warranty claims for this type of damage will not be accepted.
- Solution tank - Check water flow, if restricted inspect hoses and tubes for blockage or kinks.
- Check the switch interlock for correct operation.
- Motor overload cut-out - All machines are fitted with an automatic reset motor overload cut-out. The cut-out will operate to protect the motor from overheating by switching the machine off when there is excessive friction/resistance to the cleaning head on the floor. This is usually caused by the stickiness of the pad or floor. Turn the cleaning pad over or if both sides are dirty replace with a clean pad. It is not possible to obtain a good finish on the floor using a dirty pad. Should the cut-out operate it will reset automatically when the motor has cooled sufficiently, usually after 15 - 30 mins.
- Drive boards, pads and brushes - Inspect for wear and replace worn brushes. Clean under running water.

## AFTER SALES SERVICE

Truvox machines are high quality machines that have been tested for safety by authorised technicians. It is always apparent that after longer working periods, electrical and mechanical components will show signs of wear and tear or ageing. To maintain operational safety and reliability the following service interval has been defined: Every year or after 250 hours. Under extreme or specialised conditions and/or insufficient maintenance, shorter maintenance intervals are necessary. Use only original Truvox spare parts. Use of other spare parts will invalidate all warranty and liability claims. Should you require after sales service please contact the supplier from whom you purchased the machine, who will arrange service. Repairs and servicing of Truvox products should only be performed by trained staff. Improper repairs can cause considerable danger to the user.

## GUARANTEE

Your product is guaranteed for one year from the date of original purchase, or hire purchase, against defects in materials or workmanship during manufacture. Within the guarantee period we undertake at our discretion, to repair or replace free of charge to the purchaser, any part found to be defective, subject to the following conditions:

## CONDITIONS

1. Claims made under the terms of the guarantee must be supported by the original invoice/bill of sale issued at the time of sale, or the machine Serial No.
2. For claims under this guarantee contact the supplier from whom you purchased the product who will arrange the appropriate action. Do not initially return the product as this could result in transit damage.
3. Neither Truvox nor its distributor shall be liable for any incidental or consequential loss.
4. This guarantee is governed by the laws of England.
5. This guarantee does not cover any of the following:
  - Periodic maintenance, and repair or replacement of parts due to normal wear and tear.
  - Damage caused by accident, misuse or neglect, or the fitting of other than genuine Truvox parts.
  - Defects in other than genuine Truvox parts, or repairs, modifications or adjustments performed by other than a Truvox service engineer or authorised service agent.
  - Costs and risks of transport relating directly or indirectly to the guarantee of this product.
  - Consumable items such as power cords, brushes, drive discs, filters, belts, vacuum skirts and other similar items.

This guarantee does not affect your statutory rights, or your rights against the supplier arising from their sales or purchase contract. Truvox International Limited policy is one of continual product development and we reserve the right to alter specifications without prior notice.

## RECOMMENDED SPARES & ACCESSORIES

	<b>OB451500</b>
Solution Tank Kit	05-4435-0500
OB-Extra Weight 12.5kg	2030071
Screws for OB-Extra Weight	9090058
Scrubbing Brush	9560020

## FAULT DIAGNOSIS

The following simple checks may be performed by the operator. If the machine is still not working, please contact your local Service Agent:

<b>Trouble</b>	<b>Reason</b>	<b>Remedy</b>
Machine is not working	Lack of voltage/electrical supply	Check fuse *, power cord, plug and socket outlet
	Switch interlock incorrectly operated	Check operating procedures shown in pictorial user guide
	Overload cut-out operated	Check brush/pad for wear and replace if required Wait 30 minutes to allow the motor temperature to reach room temperature. Then try again.
Machine wobbles or vibrates excessively	Pad worn or damaged	Replace pad
	Dirty pad	Clean the pad
	Loose pad	Check drive board for signs of damage
	Pad is off centre	Reposition pad

\* If the fuse blows several times, the machine should be checked by an authorised Service Agent.

**PLEASE REFER TO THE BACK OF THE MANUAL FOR PICTORIAL INSTRUCTIONS**



