

TOPFLOOR

SIMPLE, STRONG, SAFE

EX43-OCS

Operator's manual -



English

www.crescentindustrial.co.uk

Original user instructions in accordance with appendix 1, art.1.7.4. of the Machinery Directive 2006/42/EC.

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A.C. Schermers, July 2017

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FOREWORD

This manual is intended for everyone involved in putting this machine into use, and its operation, maintenance and servicing. These people must:

- Possess the necessary level of knowledge and qualifications to do their work.
- Have read and understood this user manual.
- Follow all given safety instructions.
- If necessary, have access to sufficient right-sized and good-quality tools.

This user manual, the type plate and stickers placed on the machine contain important safety information and as such form an integral part of the delivery. Store this manual in a safe place and pass it on if the machine is sold.

1. INTRODUCTION

Congratulations on the purchase of this floor preparation machine that can be used to clean, strip, polish, sand and remove paint, coatings, glue residues, etc.

You now possess a machine produced using the very latest technology, which you will be able to use for many years without malfunction, as long as you use it in the correct manner.

The purpose of this manual is to familiarize you with the operation, to instruct you on safe working practices, and to provide periodic maintenance guidelines.

Make sure you are familiar with the contents of this user manual before you start working with the machine, so you can fully and safely use all of the machine's features.

This user manual, the type plate and the safety stickers placed on the machine feature important safety-related information and are thus an integral part of the delivery.

If damaged or lost, they must be re-applied or supplied once again.

These items can also be re-supplied by your dealer.

The machine is delivered completely assembled and is ready to scrub/sand/polish. Make sure that you are experienced in doing these types of work before you start.

Upon delivery you will get complete oral instructions on how to operate the machine, the safety instructions and the necessary maintenance. If this is not possible, then the buyer is responsible for the correct instruction.

The machine offers many possibilities to process a floor. TOPFLOOR offers various trainings to get the most out of the machine. Visit www.crescentindustrial.co.uk for full product guides and useful videos on how to operate the machine.

2. GENERAL DESCRIPTION

The EX43-OCS is designed to easily clean almost all types of floors. This machine has the benefits of both eccentric cleaning and orbital cleaning.

In combination with the interchangeable pads, the machine is very versatile: from carpet cleaning to (chemical-free!) stripping or polishing of parquet.

The plastic bumpers on all sides enable you to accurately work on sides.

What makes the EX43-OCS unique is the so-called Topfloor Oscillating Floor Cleaning method: the high velocity of 1400 small movements per minute. This combined with the rotating motion of an orbital cleaner results in an unmatched operation of the pad. The machine gives you the feeling that it 'floats' across the floor, which makes it easy and relaxed to handle the machine during operation.

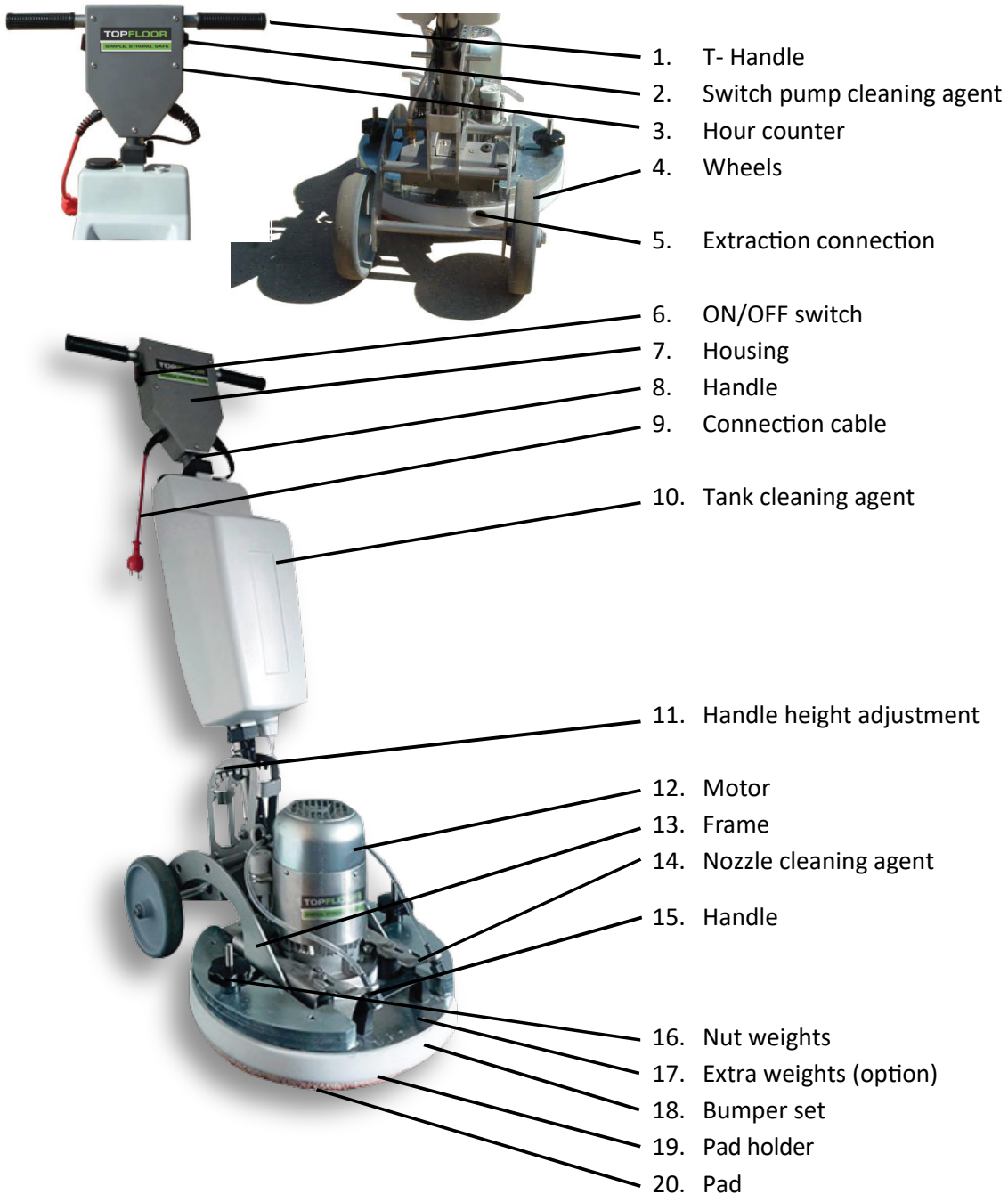
The base of the machine is a robust stainless steel frame with a set of wheels to which the pad holder with vibrating rubbers is attached. A robust eccentric electro motor is attached to the frame and drives the pad holder.

Extra weights have been applied on the machine to keep sufficient pressure on the pad.

To operate, a stainless steel handle with T-handlebar is installed on the frame and can be adjusted in 7 different positions, so the handle can be set to the correct height for each height requirement.

Two sturdy wheels have been installed as such that the lever action of the handle can tilt the machine backwards for easy movement.

3. MACHINE OVERVIEW



4. INTENDED USE

The EX43-OCS floor preparation machine is developed for:

- Cleaning
- Stripping
- Polishing
- Sanding
- Levelling
- Grinding

small and medium-size floor surfaces, with the use of the exchangeable pads and/or accessories that are applicable for a task.

The duty cycle is 100% under normal use and in case of good workmanship.

Manufactured in accordance with IP54 for use with (scrub) water.



WARNING!

Any use other than that mentioned above will relieve Topfloor of all its responsibilities!!



Use for other purposes has not been examined (yet) by TOPFLOOR. When considering other applications, please contact TOPFLOOR IN ADVANCE to discuss whether the machine is actually suitable.

During operation the person stands BEHIND the machine with both hands (loosely) on the Thandlebar.



WARNING!

The machine does NOT comply with the ATEX directive and this version may NOT be used in any such environment!!



5. TECHNICAL DETAILS

5.1 Sizes and weights

Height:	1,25 m
Width:	0,47 m
Depth:	0,68 m
Weight :	ca 38 kg, basis machine (geen ballast)
Ballast:	standard 1 set (= 7 kg) max 6 sets (=42kg)
Voltage:	220V-240VAC @ 50Hz
Current:	max 8A (input)
Power :	1200W
Insulation:	Rim earthing
Insulation class :	IP54 (dust-tight /splash-proof)
Inclination:	Max 2%.

5.2 Wear parts.

Wear parts are components found inside the machine, which do not fall under the guarantee due to:

1. increased contact with the product.
2. Normal wear by normal use.

The wear parts in this machine include:

- The rubber buffers
- The exchangeable pads

5.3 Vibrations of hand-arm system.

Avg. value: 2.6 m/s²,

Max. deviation: 0.3 m/s².

(Values have not yet been measured, but taken from a similar machine.)

5.4 Noise emissions.

When the machine is operated the measured noise level is 72 dB(A).

Experience shows that the noise emission of the machine depends heavily on the surface and space of operation.

This can result in situations in which the noise level is significantly higher because of 'echo' sounds.

TOPFLOOR therefore advises that you always have ear protection at your disposal.



From www.arboportaal.nl:

The danger of noise hearing impairment for employees begins at 80 dB (A). According to the Occupational Health and Safety Act the employer must provide hearing protection above this value.

At 83 dB(A) an employee may only work four hours without hearing protection, at which there may be no unacceptably high risk of hearing damage. In the remaining 4 hours there may no longer be any high noise levels.

It is mandatory for an employee to use ear protection if the average daily dose is higher than 85 dB(A)

6. SAFETY

6.1 General

Next you can see the labels that have been applied on the machine.

Make sure that the workplace is always well illuminated; possibly install extra temporary (construction) lighting to retain a clear overview.



WARNING!

Almost all accidents can be attributed to: loss of concentration, carelessness, negligence or errors in judgment! Work calmly and in a concentrated manner: You have been warned!!

All people who are involved with installation, commissioning, operation, maintenance and repairs must:

- Have the level of knowledge and qualifications required for their task.
- Have read and understood this user manual.
- Comply with all indicated safety instructions.
- If necessary, must possess sufficient, appropriate and good quality tools.



WARNING!

There is immediate risk of physical injury and/or damage to machines and the environment if the machine is used by inexperienced and/or unqualified persons. Keep observers at a safe distance when work is being carried out!!



Warning!
Electric Voltage!



Please read the user manual carefully before starting the machine!



Wear ear protection!



Use a dust mask when grinding!

6.2 Specific



PLEASE NOTE:

For each type of repair you must always disconnect the machine's cable plug from the wall outlet.

This TOPFLOOR floor preparation machine must NOT be used for cleaning floors that emit substances which pose health risks for the operator, bystanders or the environment!



If used, always find out if the underfloor is suitable for treatment with the EX43-OCS. When in doubt, always consult TOPFLOOR or your supplier for information.



PLEASE NOTE:

Check that the switch is in "OFF" position before you put the plug in the wall outlet!!

Use caution when moving the machine on stairs / steps.



PLEASE NOTE:

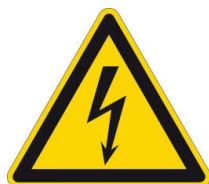
The machine comes with an extension cord, which may not be extended any further with an extra extension cord.

Never move over the extension cord.

In case you do move or scrub over the cable by accident: Turn off the machine and remove the plug from the wall outlet. Carefully check the cable for damage. (Water can even intrude through tiny damages!)

ATTENTION!! RISK OF ELECTRIC SHOCK!

This machine is NOT SUITED to operate fully immersed in water This can result in life-threatening situations.



PLEASE NOTE:

The machine may only be used with earthed power sockets and an earth leakage circuit breaker

Use of the floor preparation machine is subject to current regulations for safety and working conditions. In addition to the provisions in this manual, the generally accepted health and safety regulations for safe and professional work apply as well. Any improper operation must be avoided.



ATTENTION!

You are working with an electric machine and (scrubbing) water. Make sure the earthing and earth leakage circuit breaker are working correctly!! Make sure that none of the cables in use are damaged!! You should preferably wear shoes with rubber soles!!

Within the warranty period, only TOPFLOOR certified technicians may perform repair work on the machine.



ATTENTION!

Before changing parts or accessories, ALWAYS make sure that the plug has been removed from the power socket!



ATTENTION!

Stay at least 2m away from the edge of a swimming pool, pond or open water!!

7. STORAGE

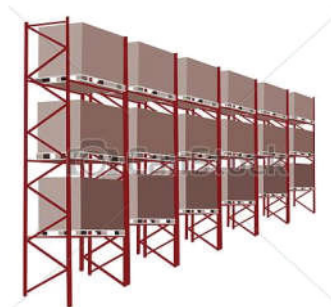
The following actions are recommended if the machine has not been used for an extended period of time:



ATTENTION!

Always be careful with bearings when using a sprayer/blower to clean the machine!

- Clean the machine with a damp cloth.
- Perform maintenance.
- Possibly apply a preservative.
- Store the machine in a dry and frost-free location.



© Can Stock Photo - csp16634991

8. TRANSPORT

First remove all installed ballast plates.

The basic machine weighs approximately 45 kg and must be lifted by two persons.



The machine must be transported in upright position, preferably with the handle in the top-most position:

- Use your foot to push the locking pin out of the recess at the bottom of the handle;
- Adjust the handle - with locking pin pressed - to the top-most position;
- Release the locking pin so it falls in the last recess.

TAKE NOTE!

When transporting on a always secure the machine by attaching lashing straps

9. Use.

9.1 Checks Before you start.

You are working with (scrub) water and a 220 V machine. Make sure that:

- The mains voltage is 220 V
- The earth connection functions properly
- A GFCI (Ground Fault Circuit Interruptor) is installed.



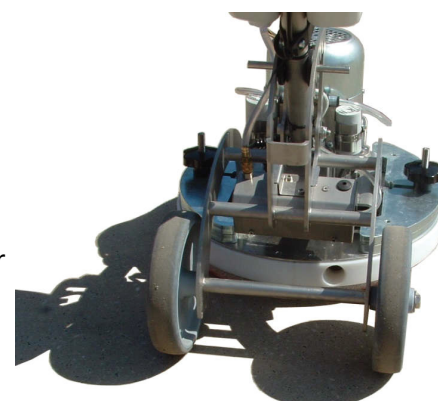
Check the cables for damage: both the short power cable as well as the extension cord! If you detect any deviations: solve these first before you start to work!

Before starting treatment with the EX43-OCS, examine the floor on colour and shape retention.

Before you start, check if the correct pad for the job is attached.

Check that at least one set of weights is installed, but no more than six sets!

The number of weights on the left and right-hand side of the motor must be equal!



9.2 Accessories

Turn the machine OFF and remove the plug from the wall outlet before you install/adjust accessories.

9.2.1 Liquid suction nozzle

- Install the container installation for the adjustment unit.
- Put the suction nozzle in the container installation.
- Attach the suction hose to the WD 72-2 dust and water extractor.



PLEASE NOTE:

Never suck up hot and flammable liquids, this is dangerous!!

9.2.2 Shrub tank

- Install the shrub tank to the handle
- Put the hose on the connection of the pad holder
- Fill the tank with cleaning agent
- Set the dosage



PLEASE NOTE:

Carefully read 9.2.3!!

9.2.3 Use of cleaning agents

When you use cleaning agents, pay special attention to the use instructions mentioned on the labels.

Use only low-foam cleaning agents that do not have any combustible components added to it and raw materials that can pose a health risk.

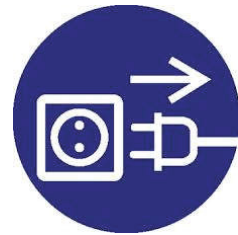
Also, the use of cleaning products that contain toxic, irritating or skin-damaging substances are subject to hazards.

Cleaning agents which contain solvents that can corrode plastics, can also damage parts of the machine.



9.3 Lets go!

- Roll the machine to the place where it is going to be used.
- Check the ON/OFF switch is switched OFF.
- Insert the extension cable in the machine plug and in a properly grounded wall socket.
- Tilt the machine on its handle and wheels for easy mounting of the accessories.
- Turn the machine in upright position: on the wheels and the pad.
- Push with your foot on the locking pin for adjusting the T-handle back into the working position. Release the locking pin in a slot to fix the position.
- Power switch ON: the motor starts and the pad starts working.
- During work the machine can moved in all directions easily and with little force. Work in long tracks up and down, not in short back-andforth-going movements
- If your machine is equipped with a liquid tank, supply extra water by lifting the lever.
- Always turn the machine OFF immediately when you quit working, else the floor can be damaged. Take the plug out of the socket.



10. MAINTENANCE



ATTENTION!

Regular inspections and scheduled preventive maintenance reduce the chance of malfunctions during operation.

10.1 Lubricants

A can of WD-40 is the only necessary lubricant for maintenance.

10.2 Maintenance schedule

10.2.1 Daily (before starting work)

- Check all cables for damage. **Repair damaged cables before starting work!**
- Check the pad for wear. A worn pad reduces the operating speed.
- After using the machine with chemical cleaning agents, wipe the machine down with a damp cloth to prevent corrosion of the stainless steel components.
- Check for loose nuts and bolts.

10.2.2 Monthly

- Spray WD-40 on the handlebar adjustment mechanism for smooth adjustments.
- Check the grip surface under the pad holder if it still has sufficient grip for the pad.
- Check the vibration rubbers for tears.

10.2.3 Yearly

- Make sure that the mandatory - Occupational Health and Safety Act - safety inspection (NEN 3140) for electrical tools is done.



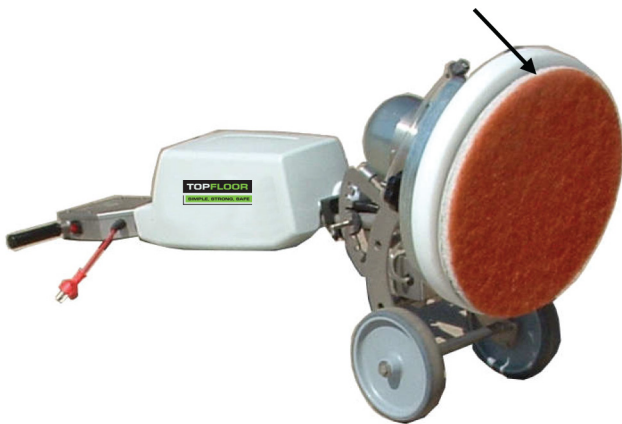
10.3 Pad replacement

If the working speed reduces, or the result becomes less, then the pad may be severely soiled or worn and should be replaced.

The pad is attached to the eccentric plate with Velcro.

Do the following steps:

- Turn off the machine.
- Remove the plug from the socket.
- Set the handle with T-handlebar to the highest position.
- Tilt the machine backwards so that the handlebar is on the floor and the pad is vertical.
- Pull the pad from the eccentric plate.
- Attach the new pad carefully to the eccentric plate and then push it firmly in place.
- Put the machine in upright position again.
- Put the plug in the socket.
- Turn the machine on and you are ready to work again.



11. Malfunctions.

1) The machine does not start:

- Check the earth leakage circuit breaker.
- Check the power supply.
- Check the cables for damage.
- Contact your supplier.

2) The machine makes a rattling sound:
STOP IMMEDIATELY!! CHECK FIRST!!

- A nut has vibrated loose from the ballast plates.
- A rubber from the pad holder is loose.
- The eccentric bearing is worn.

3) The adjustment mechanism of the handle does not work:

- The locking pin is bent.
- The spring is broken.



12. Guarantee terms & conditions.

The machine is subject to a guarantee period of 6 months after delivery, in accordance with Metaalunie conditions.

These conditions stipulate that, within this period, only equipment and manufacturing errors will be repaired free of charge, AFTER BEING EVALUATED BY AN AUTHORISED TOPFLOOR ENGINEER.

Transport and or travel costs must be paid by the customer.

GUARANTEE CANNOT be provided for defects caused if:

- the machine has demonstrably been overburdened.
- the machine has been used for purposes for which it was not constructed.
- the maintenance has been performed demonstrably badly.
- the information from this manual has not been properly complied with.
- the machine has been used by unauthorized persons.
- the machine has been repaired using parts which are not original.
- the machine has been modified without written consent from DEHACO.

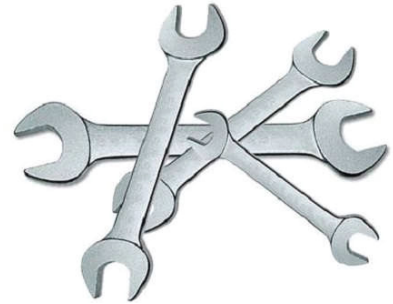
GARANTEE CANNOT be provided for wear parts, as mentioned in chapter 5.

13. Repair.

The machine has a simple structure and on the website you can find part drawings.

Repairs may only be done by qualified, experienced staff!

Comprehensive repair instructions have not been included in this user manual, but you can always contact TOPFLOOR for any questions or professional repairs.



14. End of life-span.

You must always comply with the current and local requirements in force and the guidelines of safe work and responsible disposal!

If the machine has reached the end of its technical life-span after long-term use, then follow the procedure below so it can be processed in a responsible manner:

- Clean the machine.
- Disassemble electrical components. They can be disposed of separately.
- Disassemble plastic components; they can be disposed of separately.
- The remaining components are made of steel and can be scrapped.



15. Parts.

All parts lists & diagrams are available to view/download in the downloads tab/section, on the individual product pages on the www.crescentindustrial.co.uk website.

All parts are in stock at and can be delivered –mostly– within 24 hrs.

Please contact your local dealer, or contact Topfloor direct to place orders for replacement parts, and to check delivery times.

You will need the serial number of the machine when ordering parts, to make sure the replacement parts required are correct according to the month/year the model was built.



16. EU DECLARATION OF CONFORMITY

IN ACCORDANCE WITH ANNEX IIA OF THE MACHINERY DIRECTIVE 2006/42/EC

We, TOPFLOOR., having our business address at Crescent Industrial Ltd.

We, **TOPFLOOR – Industrial Floor Cleaning Machines**
Crescent Industrial, Berrington House,
Berrington Road, Leamington Spa,
CV31 1NB

Declare under our sole responsibility that the product:

Brand: Topfloor
Machine: Floor preparation machine
Type: EX30-OCS

To which this declaration applies, meet all stipulations in the following directives:

Machinery Directive 2006/42/EG
Low Voltage Directive 2014/35/EU
EMC richtlijn 2014/30/EU

And in conformity with the following standards and/or other normative documents:

NEN-EN-1050:1997 Risk reduction

Drawn up in: Leamington Spa
05-04-2017

Topfloor (Crescent Industrial Ltd)
SJ Stacey, director



We supply a full range of cleaning equipment for rental or purchase.

For more information, or a cleaning solution to suit your business, please get in touch –

For a more comprehensive product range, please visit our website.

Distributed by:



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