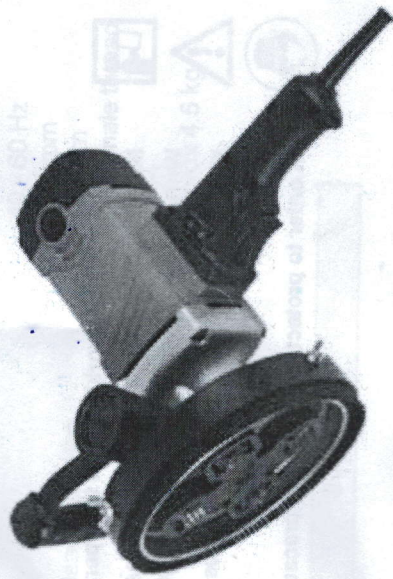


Operation Manual



150mm Concrete Grinder Scouring Machine

Operating Instructions

Important Instructions

Important instructions and warning notices are allegorated on the machine by means of symbols:



Before you start working, read the operating instructions of the machine.



Work concentrated and carefully. Keep your work- place clean and avoid dangerous situations.



In order to protect the user, take precautions.

During work you should wear goggles, ear protectors, dust mask, protective gloves and sturdy work clothes.



wear ear protectors



wear goggles



wear protective gloves



wear a dust mask

Technical Characteristics

Scouring Machine SM150

Rated Voltage	230V~
Power Input	1500w
Rated Current	6.8A
Order Number	

Frequency:

40 - 60 Hz

Load Speed:

4500rpm

Max Milling Head Diamelen

140 mm

Collet:

M14, male thread

Pmtection Class:

II

Oegree of PTotechon:

IP 20

Net Weight:

approx 4.5 kg

Supply

Scouring Machine with milling hesd. Allen key and operating instructions in a metal case

Application for Indented Purpose

The Scouring Machine **XM -150** is indented for professional use .

With its milling head, the tool is intended to be used to remove loose plaster, glue and old paints (e.g graffiti) in combination with an industrial vacuum cleaner

Sicherheitshinweise



Safe work with the machine is only possible if you read this operating instruction and the safety instructions completely and follow the instructions contained strictly. Additionally, the general safety instructions of the leaflet supplied with the tool must be observed. Prior to the first use, the user should absorb a practical training.



If the mains cable gets damaged or cut during the use, do not touch it, but instantly pull the plug out of the socket. Never use the tool with damaged mains cable.



The tool must neither be wet nor used in humid environment.

- Do not use the tool near explosive materials (petrol, dilution).
- Do not work with materials containing asbestos.
- Prior to every use, check the tool and its cable and plug. Have damages only repaired by specialists. Insert the plug into the socket only when the tool switch is off.
- Plug and switch the machine off if it is not under supervision, in case of putting up and stripping down the machine, in case of voltage drop or when fixing or mounting an accessory
- Switch the machine off if it stops for whatever reason. You avoid that it starts suddenly and not under supervision.
- Before starting your work, check the proper seat of the cutting bit and the individual stars.
- Check the milling head before every use. Do not use damaged or sluggishly running milling stars.
- Make sure that the tool was mounted properly, and let it run idly in a safe position for 30 seconds. Stop the tool immediately if you found considerable vibrations or other defects.
- Don't use the machine if a part of the housing is damaged or in case of damages on the switch, the cable or plug.
- Electrical tools have to be inspected visually by a specialist in regular intervals.
- After interruption of your work, restart the tool only after having made sure that the milling head and the stars are moving freely.
- Do not touch rotating parts.
- Persons under 16 years are not supposed to use the tool.
- Keep the handles dry, clean and free of oil and grease.

Caution marks!

- Attention! The milling head still runs for a little while after the machine was switched off.
- When working with the machine, wear ear protectors, dust mask and goggles.
- Always hold the machine with both hands.
- Consider the tool's reaction torque.
- Make sure that persons in the work space are not endangered by particles flying around.
- In order to avoid the star holder and the milling stars get damaged, work very carefully on edges, corners or extreme transition.
- Do not work on surfaces with steel reinforcements which lie open.

For further safety instructions please refer to the enclosure!

Electrical Connection

First, check the correspondence between voltage and frequency against the data mentioned on the identification plate. Voltage differences from + 6 % to - 10 % are allowed.

The tool includes a start-up speed limiter to prevent fast expulsion fuses from unintended responding.

Switching on and off

Short-time operation

ON: Press the ON/OFF switch.

OFF: Release the ON/OFF switch.

Long-time operation (only for workinos with Floor Guiding System)

ON: Keeping the ON/OFF switch pressed, push in the arrestor button.

OFF: Press and release the ON/OFF switch again.

Attention!

If the machine stops for any reason or due to power failure, immediately release the arrestor button by pressing the ON/OFF switch, to avoid sudden starts in unattended condition (physical hazard).

Retrofitting



Attention!

Pull out the mains plug before retrofitting.
The cutting stars may be hot.
Wear protective gloves!

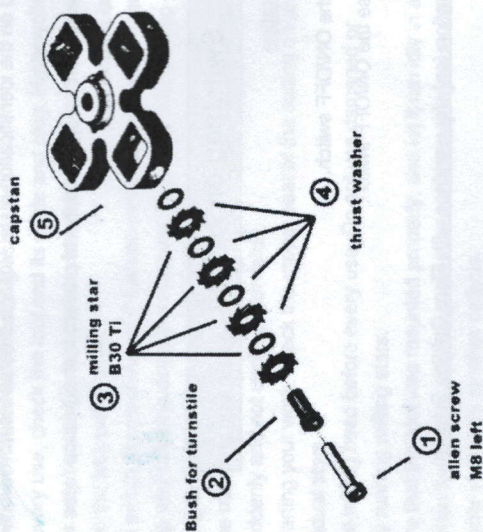
Change only the milling stars.

In case of damage, the capstan may be replaced only in an authorized service centre.



Remove the three wing screws from the height adjustment (refer to following section). Remove the brush rim and the height adjustment. Open the Allen screw M8 ① using the supplied size 6 Allen key. Attention! The screws have a ~ft-hand thread. Holding the bush ② for the capstan ⑤ with the stars ③ and the thrust washers ④. Put the new stars on. Fix the component parts referring to the drawing.

Attention! Use only Allen screws with locking fastener.

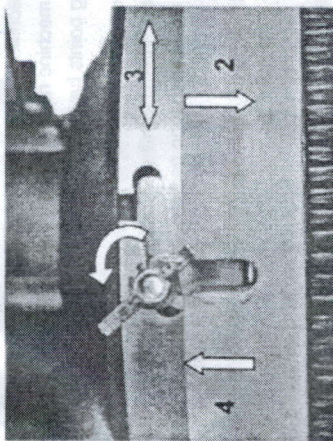


Dust occurrence during milling may lead to sticking of the stars. This will result in reduced milling performance and increased wearing. Make sure that the stars are moving freely and, if stuck, unbind them using a suitable tool (e.g. pliers).

Attention! The milling stars might be hot.

Height Adjustment

The XM-150 includes a height adjustable protective hood



1. Open the three wing nuts
2. Pull the brush rim down till the depth gauge can be turned
3. Adjust the required milling depth.
4. Push the brush rim up again
5. Retighten the wing nuts

Dust Exhaust

Dust which occurs during your work is hazardous to health. That is why it is advisable to use a deduster and to wear a dust mask for the XM 150, it should be connected to a professional industrial vacuum cleaner, which can be connected directly to the protective hood's 38ram hose connector



Care and Maintenance



Before the beginning of the maintenance or repair works you have to disconnect the plug from the mains,

Repairs may be executed only by appropriately qualified and experienced personnel. After every repair the machine has to be inspected by an electric specialist. Due to its design, the machine needs a minimum of care and maintenance. However, the following points have to be observed:

- Always keep the power tool and the ventilation slots clean.
- During work, please pay attention that no particles get inside the machine.
- In case of failure, a repair has to be carried out by an authorised service workshop.

Environmental Protection



Raw Material Recycling instead of Waste Disposal

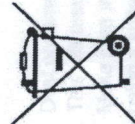
In order to avoid damages on transportation, the tool has to be delivered in solid packaging. Packaging as well as unit and accessories are made of recyclable materials and can be disposed accordingly.

The tool's plastics components are marked according to their material, which makes it possible to remove environmental friendly and differentiated because of available collection facilities.

Only for EU countries

Do not dispose of electric tools together with household waste material!

In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.



Noise Emission

The indication of noise emission is measured according DIN 45 635, part 21. The level of acoustic pressure on work site could exceed 85 dB(A): in this case protection means must be used.



Wear ear protectors!

The typical hand—arm vibration is below 2.5 m/s^2 .
Measured values determined according to EN 50 144.

Warranty

According to the general supply conditions for business dealings, suppliers have to provide a warranty period of 12 months for redhibitory defects. (To be documented by invoice or delivery note.)

Damage due to natural wear, overstressing or improper handling are excluded from this warranty.

Damages due to material defects or production faults shall be eliminated free of charge by either repair or replacement.

Complaints will be accepted only if the tool was returned in non-dismantled condition to the manufacturer or an authorized Eibenstock service centre.