



GA-SG-700-01-E
Version 1.1
Stand 01.03.2005

Instructions of use for oscillating autopsy saw SG-700



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Validity

These instructions are valid for all SG-700-01 and 02 Autopsy Saws and accessoires, sold by SCHREIBER Instruments.

Certificate of compliance

Manufacturer's name and address:

SCHREIBER GmbH
Chirurgische Instrumente
Unterer Damm 15
D-78567 Fridingen

Product name:

SG-700-01 and 02, oscillating autopsy saw and accessoires (saw blades) in accordance to the valid catalogue and price-list.

The Schreiber GmbH confirms herewith in sole responsibility, that the above mentioned products comply with the requirements according to annex I of the council directive 93/42/EEC and EN 60601-1-2. These products are permitted to carry the CE-mark.

We have established a certified quality management system according to DIN/EN/ISO 13485:2003



Signature

Armin Zepf
Quality Manager

With purchasing this SCHREIBER device you have decided to use a high quality product. Proper function and safety are only guaranteed for a long time, if the following points are strictly observed.

Purpose of use

Autopsy, cutting of plaster and synthetic bandages. The safety rules of MDD (medical device directive) and the national laws for safe devices (Arbeitsmittel-Gerätesicherheitsgesetz) are valid.

Inspection

SCHREIBER oscillating autopsy saws must be inspected for completeness, damages or faults immediately after transportation. Claims for compensation are only possible, if shipper or dealer are informed immediately.

First use

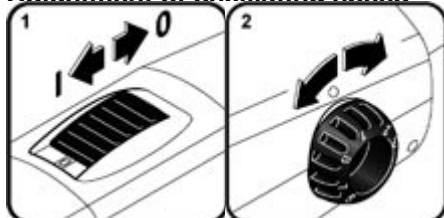
SCHREIBER oscillating autopsy saws must not be used, before these instructions are worked through.

- For use and maintenance the valid (national) laws for safety and maintenance must be observed.
- make sure, that the voltage on the machine is similar to your socket.
- Check cables and extensions regularly.
- do not screw or rivet external labels on the body of the machine. This may cause electrical danger.

Starting the machine

- Make sure, that the plug is connected to the socket properly.
- Autopsy saw is equipped with an electronic speed control button. The optimal speed must be adjusted, depending on the sawblade and use. Speed can be adjusted by turning the button (2) (pre-selection= 4).
- Turn switch (1) forwards to "ON"-position for turning on and backwards for turning off.

Adjustment of oscillating speed



Changing saw blade

-unplug cable to prevent unintentional turning on. Use protection gloves to prevent injuries caused by the saw blade.

1. Lay down the saw on a stable and even surface (table).
 2. Place one open end wrench (1) behind the saw blade on the shaft, the other (2) in front of the blade on the locking screw (3).
 3. Retain the wrench (1) and use it for fixing the saw at the same moment.
 4. Untighten locking screw (3) with the other wrench (2).
 5. Remove the locking screw (3) and the fixation washer (4).
 6. Take care to lose no parts.
 7. Remove saw blade (5)
 8. Clean thread and bearing surface
 9. Insert new saw blade and center on the shaft. **IMPORTANT:** The pin on the axis must fit into the notches in the saw blade (6) perfectly (on both sides).
 10. Mount the fixation washer (4). Notches of the washer must show towards the saw and must fit to the pins, too.
 11. Screw down locking screw by hand and tighten with wrench (6-7 Nm).
- Make sure, that the shaft is not turned during untightening and tightening the screw. Turning the excentric axis inside the machine may damage the transmission.

Saw blades

Attention: blunt saw blades must be changed immediately. Hot saw blades may burn the patients skin and overload the machine. Available saw blades are shown on the last page. Only use original SCHREIBER blades.

Safety Instructions

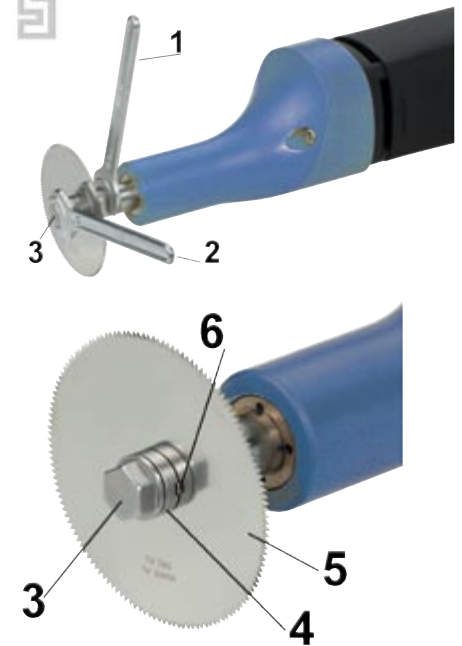
- Only use original spare parts.
- Improper use may cause overheating and damage of the machine.
- Never bring the machine in contact with water or other solutions.
- Maschine is not explosion protected. Keep away from flammable liquid or gas.
- It is recommended to wear safety equipment (protection glasses, gloves, ear protectors)

Scope

Saw can be used as autopsy saw as well as plaster and bandage saw.

Opening of bandages

ATTENTION: Unpadded bandages must be opened with special care, because stuck skin might be burned! Choose a suitable saw blade first. Place



the saw with the fixed saw blade on the bandage with slightly pressure.

The thumb can serve as guide and depth gauge and prevents abruptly penetration into the bandage. As long as the saw blade is cutting, there is a resistance, that decreases, when the saw blade goes through the bandage. Then the saw must be lifted without being taken out of the groove and moved about 15 mm into cutting direction. Repeat these steps, until the complete bandage is opened by several linear cuts.

Special instructions

- Bandages with metal inserts should not be opened with this saw.
- Avoid permanent friction on the soft furnishing (heat).

Additional Tips

The various bandage materials have very different attributes. Please try to find out the best settings during performance. Usually synthetic bandages need lower speed, to avoid melting of the material. The cutting of unpadded bandages should be avoided as far as possible (see "opening of bandages"). If a close bandage is necessary, it is



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useful to integrate a gaze or cotton stripe on the patients skin and mark the position on the bandage with a marker. Later the bandage can be opened along the line.

After surgical operations, the position of the wound should also be marked on the bandage, so it is possible to open a window for wound inspection, extraction of wires or incisions.

The machine is equipped with a temperature switch, that avoids overloads. If the safety switch has turned the machine automatically off, the saw can be resaterated after a short cooling period of a few minutes.

Blunt saw blades are overloading the motor. To reach a balanced abrasion, the saw blade can be turned to 90°.

Sterilization

FOR SG-700 SAWS ONLY

Only autoclave the saw head (gear part) in steam! Do not autoclave the electrical motor. It should not come in contact with water, respectively other liquids, or their steam.

Disassembly:

Remove the retaining screw, fixation ring and saw blade. Loosen the two Allen screws and unscrew completely. Take off the saw head (gear part), it can now be autoclaved.

Reassembly:

Is done in reverse order. It is important to make sure that the wing is well lubricated with the included grease before reassembly.

Troubleshooting

REPAIR OF THE MACHINE MUST BE MADE BY EXPERTS ONLY!

If the saw does not work:

- Let the motor cool down for a few minutes and retry to turn on.
- Check the cable for damages
- Check the fuse.

If the saw is too loud:

Turn off and send to the manufacturer for inspection.

Care

The machine does not need special service, but it should be cleaned with a moist duster regularly. The saw must not be immersed into liquids or rinsed with water. Take care, that no plaster debris is disturbing the oscillating shaft or the on/off switch. Keep the airing

grids free of plaster debris and make sure that the cool air can circulate properly.

The saw should be cleaned and checked all 6 months, depending on use and duration.

Maintenance

Electrical devices must only be checked, repaired and maintained by experts. Always unplug the machine, when it is not used. Blunt saw blades must be removed, to avoid overheating of the machine. Saw must be stored under dry conditions. Device must not be disassembled. There are no components inside, that can be repaired by the user.

Guaranty

We give 1 year guaranty on this machine and accessoires on material and manufacturing faults. Improper use, normal wear, repair by third parties and modifications void guaranty and CE-marking. Please return the saw with an invoice copy to the manufacturer. Lables mounted by the manufacturer must not be removed.

Changes and printing errors reserved

Technical data

| | | |
|--------------------|---------------------------|-----------|
| Ref.-N° | SG-700-01 | SG-700-02 |
| Voltage | 230V/50Hz | 120V/60Hz |
| Power | 180Watt | |
| | 0.8A | 1.6A |
| Strikes | 12000-21000 /min | |
| Noise, A- typical | 70 dB(A) | |
| Noise (sawing) | >85dB(A) | |
| Hand/Arm-Vibration | <2.5 m/s | |
| Weight | 1.8 Kg | |
| Conformity | CE, DIN EN 60601-1,2 | |
| Safety Class | Class II safety insulated | |
| Fuse | T 1,6A TR5 | |

Delivered parts

| | |
|-----------------------|--|
| SG-700-01 (02) | 1 saw in cardboard box |
| SG-200-50H | 1 sawblade round for synthetics and plaster, Ø 50 mm |
| SG-400-08 | 1 double segment sawblade |
| SG-400-20 | 1 single segment sawblade |
| | 1 hexagonal key |
| SG-600-15 | 1 set open end wrenchs |
| GA-SG-700-01D | 2 instructions of use (D/E) |
| | 1 tube of special grease |

Spare parts/Accessoires

| | |
|-------------------|--|
| SG-600-10 | Plastic case with insert |
| SG-200-50H | 1 sawblade round for synthetics and plaster, Ø 50 mm |
| SG-200-65H | 1 sawblade round for synthetics and plaster, Ø 65 mm |
| SG-400-08 | 1 double segment sawblade |
| SG-400-20 | 1 single segment sawblade |
| SG-600-15 | 1 Set open end wrenchs |
| SG-600-20 | 1 locking screw |
| SG-600-21 | 1 fixation washer |