



GA-GSAKKU-01-E
Version 1.1A
Stand 01.03.2005

Instructions of Use for Oscillating Accu Plastersaw

 **SCHREIBER**[®] INSTRUMENTE

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Validity

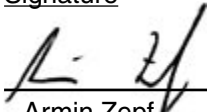
These instructions of use are valid for all Accu One-Hand Plastersaws and accessoires, sold by SCHREIBER GmbH.

Certificate of Compliance

Manufacturer's name and address:

SCHREIBER GmbH
Chirurgische Instrumente
Unterer Damm 15
D-78567 Fridingen

Signature


Armin Zepf
Quality Manager

Product name:

SG-500-05, oscillating Accu-One-Hand Plastersaw, SG-501-50 Accu-Pack, SG-501-60 Charging Unit and accessoires (sawblades) according to the valid catalogues 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

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.

Accusaw

Purpose of use

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

Inspection

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

First use

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

Push the loaded accu from above onto the machine until it snaps into the lock. Machine is ready for use. Please take notice of the instructions for accu and charging unit and of the national safety-laws.

Turning on/off

Push button (1) forwards (on) or backwards (off).

Changing saw blade

-remove accu to prevent unintentional turning on.

-Untighten locking screw with the enclosed hexagonal key.

-remove saw blade (2)

-clean thread and bearing surface

-insert new saw blade and center on the shaft.

-screw down locking screw by hand and tighten with hexagonal key (6-7 Nm)

-Insert accu

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 are saw blades for plaster bandages (SG-501-02) and synthetic bandages (SG-501-04).

Safety instructions

-Do not open accu by force or throw them into fire, danger of explosion.

-Accu and charging unit are harmonised. Only use original unit for charging.

-Only use original spare parts.

-Improper use may cause overheating and damages to the accu and the ma-

chine. Acids may come out. In the case of contact with skin or eyes, use water for rinsing and consult a doctor.

-avoid short-circuits between accu poles.

-do not bring the machine into contact with water or other liquids.

-Do not use the machine near flammable or explosive substances (sparking inside the machine).

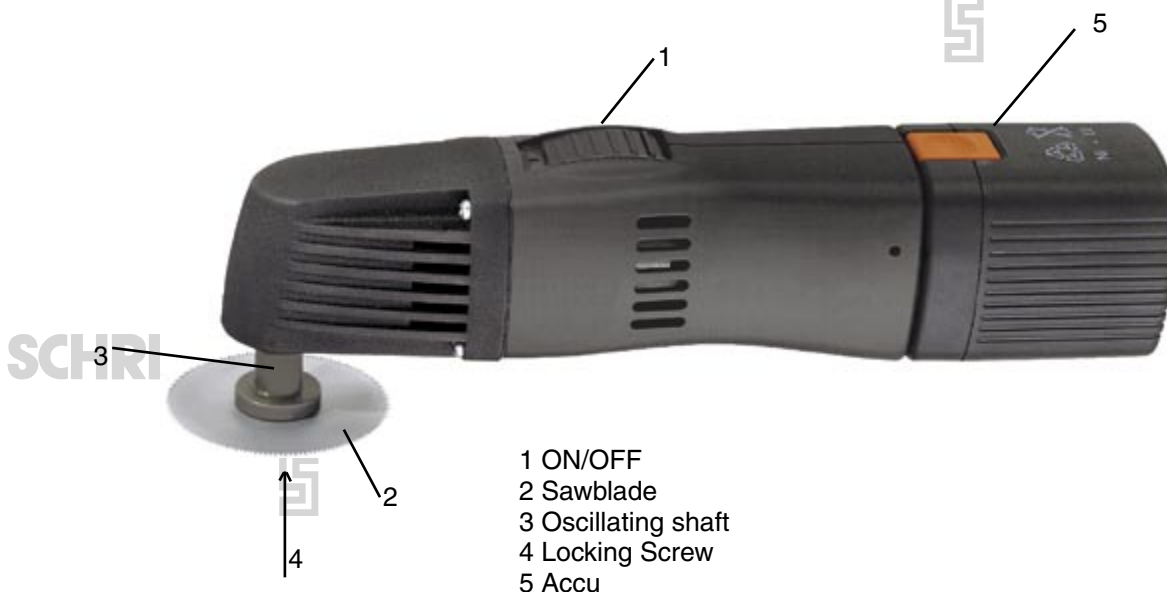
Scope

Generally it is not recommended to misuse the saw for medical or other purposes, that means the machine must only be used as saw for plaster or synthetic bandages. It is not suitable for surgical operations. The patient must not have direct contact to the sawblade.

ATTENTION: Unpadded bandages must be opened with special care, because stucked skin might be burned!

Maintenance and care

The accu must be removed before cleaning and servicing. 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 the contacts are always clean and no plaster debris is disturbing the oscillating shaft or the on/off switch.





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Service

Blunt sawblades must be changed immediately, to avoid overloads caused by overheating. Saw and accessories must be stored under dry condition. Machine must not be disassembled, there are no components inside, which can be repaired by the user. Opening the device voids guarantee.


Charging unit


The charging unit SG-501-60 can only be used for loading accu SG-501-50 for accu plastersaw SG-500-05. The device is an automatic quick charging unit. The loading time is about 40-80 minutes (depending on the accu). A thermic sensor makes sure, that no quick charging process is started, when temperatures are too high.


Before use


- make sure, that the voltage printed on the charging unit is similar to the main connection.
- check cable on damages.

Display

 green without accu:
ready

 Yellow with inserted accu:
Accu damaged, short circuit
or temperature too high

 Green-Yellow:
Quick charging activated.
Green: Quick charging finished,
accu is full.

 Yellow, blinking with inserted
accu:
Accu too hot or too cold

Putting into operation

Connect cable to main connection, green LED shows "ready". The charging process starts, when the accu is inserted. This is confirmed by a permanent yellow light. The accu's temperature must be between 5-50 °C. Outside this range, quick charging is deactivated. Remove accu in this case and insert again, when the temperature is normal. Quick charging does not start automatically, when the temperature is o.k. The yellow LED is blinking, when

the accu is full. The unit automatically changes from loading to preservation mode. With totally empty batteries the charging process starts with a few minutes delay.

Repeated loading of full accu leads to overloads, has negative influence of the accu's life time and should be avoided. New accu reach their full capacity after 3-5 charging cycles.

Safety instructions

To avoid injuries, electric shock and fire, the following safety instructions must be observed strictly:

- Do not use the device after damages caused by falling down or hard punches.
- Never disassemble the unit. It does not contain any parts, that can be repaired by the user. Improper assembling involves the danger of electric shock or fire.
- Disconnect power cable, when device is not in use.
- Check unit for damages, before use.
- Only use approved extension cables
- Look after good ventilation during the charging process. Storing and utilization over 40°C may cause malfunctions.
- Never charge your accu inside closed boards or near heaters.

Cleaning and Maintenance

Contacts can be cleaned with a soft piece of cloth and have to be held clean, because the unit does not work properly without metallic pure contacts. The charging unit cannot be maintained further, we want to refer to our technical service, if problems occur.

Accu

First use

Before using an accu the first time, it must be charged. For charging no other units than SCHREIBER SG-501-60 devices must be used. The accu reaches its full capacity after 3-5 loads.

Charging

The charging time is about 40-80 minutes. The careful loading process prevents overloading and protects the accu from overheating. This is necessary for a long lifetime of the battery.

After all chargings, a repeating of the loading process is not recommended (reinserting of a full accu).

Self-discharging

Full accu are subjected to unload themselves, depending on the surrounding temperature. After a longer storing time (over 2 months) they must be recharged before use. This process is shorter, the higher the surrounding temperature is. Are the temperatures low, the self-discharging is lesser.

Lifetime

If the instructions for handling and charging are observed strictly, the Ni-Cd accu can be recharged about 1.000 times.

Important notes

- Do not recharge full accu
- Do not charge under 10°C
- Storing under room temperature

Sevage and refuse disposal

Old batteries do not belong into the dustbin. They must be dumped according to the national arrangements.

Malfunctions

The contacts must be cleaned regularly. If the accu is empty after a short time, the end of its lifetime is near.

Warnings

- Danger of fire. Short circuits can cause explosions.
- Accu must not be opened
- Accu must not be thrown into the fire, danger of explosion

Guaranty

We give 1 year guaranty on material and manufacturing faults. Improper use, repair by third parties or modification voids guaranty and CE-marking.

worked out by Armin Zepf QMB,
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Technical data

Saw	
Voltage	9,6V
Strokes	14.500 /min
Noise Level	70 dB(A)
Noise level (sawing)	>85dB(A)
Hand/Arm-Vibration	<2.5 m/s
Weight with Accu (800mAh)	1.1 Kg
Net operating time (in use)	16-18 min
Conformity	CE, DIN EN 60601-1
Charging unit	
Inputvoltage	230V
Outputvoltage	9.6-12V
Frequency	50/60Hz
Charging time	40-80 min.
Power	50 A
Charging Power	max 1.7 A
Weight	1.5 Kg
Cord length	1.2 m
Safety-insulated	Yes
Conformity	CE, DIN EN 60601-1
Accu	
Ni-Cd Cells	8x1.2V= 9.6V
Capacity	800 mAh
Weight	0.38 Kg
Conformity	CE