

Autopsy Saw „Electronic Power“

Instruction Manual

The autopsy saw „Electronic Power“ is an oscillating saw for using in pathology departments for autopsy (post-mortem).

For proper changing of the saw blades please use the attached wrenches. It is important that the excenter is not overstrained.

In order to avoid wear and tear as well as any heating of the saw, we highly recommend replacing worn and blunt saw blades in time. Please be aware, that saw blades have sharp cutting edges. This has to be considered during use as well as when replacing them. Caution of injuries!

After use any dust, blood or similar should be wiped off the saw and the blade with a dry cloth. The saw should not be soaked in any liquids (like water etc.) or be washed or even covered on. If disinfection is required, it has to be carried out by using appropriate diluted disinfecting solutions. The saw should be only wiped by a damp cloth (do not cover it).

It is important that no liquids or steam enter the equipment. Please unplug the saw before cleaning.

The saw (complete with motor) should not be sterilized. Only saw head (driving gear) is to be treated by autoclave with steam only! Do not treat electric motor by autoclave, avoid penetration of water and other liquids and/or damp!

DISMANTLING: Remove hexagon head screw, safety loop and saw blade. Loosen the 2 hexagon socket head cap screws. Remove saw head (driving gear) of the electric autopsy saw and treat only by autoclave.

ASSEMBLAGE: Effected in the other way around. It is very important to grease the oscillating crank well before assembling.

The saw is maintenance-free.

The saw should not be used in areas with danger of explosion.

Before using the saw, it ought to be checked for any mechanical damage. Furthermore, the saw should not be used and has to be sent for a supervision, if it has been dropped onto the floor. Please do not tempt to repair it, as this will void your warranty and additional defects may occur.

In order to assure proper disposal, the autopsy saw can be disposed by us or third parties.

Blunt saw blades (clean and sterilized) have to be disposed off by using the recycling process (steel-/ metal raw materials).

The autopsy saw is switched off/on by a security switch. By switching on the saw a high running-up electricity is effected for a short time. The electronic system avoids that the fuses will adversely react (limitation of the running-up electricity). After the warming-up to the selected frequency of oscillations, the full power of the saw can be used. If you start your saw carefully, all mechanical and electrical parts will be protected. The risk of injuries is reduced by a smooth starting.

The security switch assures that at no time the autopsy saw will be overstrained. In case of overloading, e.g. by blocking the drive, the motor will be switched off immediately. Thanks to the security switch, the saw can be used after a short break.

The autopsy saw is developed in accordance with EMV norm EN 60601-1-2.

The regulation of the motor performance is on the rear of the motor (close to the cable connection) and therefore won't disturb the user during use. At the control button the frequency of oscillations required can be infinitely variably selected from 6500 up to 24000. Once the selected, the oscillations will remain constant, if the motor is in neutral or during the cutting.

The load compensation is permanently active and regulates the oscillations, even if various loads are occurring.

The Speedo on the drive shaft registers a reduction of the oscillations, if the burden of the motor is increased.

By comparing the selected power and the number of required oscillations, the operation of the system will be adjusted permanently. In case of a reduced number of oscillations due to an excess load, the electronic system will re-adjust the frequency of oscillations.

This procedure is done so quickly, that the user won't recognize any difference. Therefore the plaster saw offers an optimised number of oscillations during use. In case of excessive use of the motor (e.g. if saw blades are stuck) the electronic system switches off the saw. The saw can be re-used after a short break.



Autopsy saw, standard



Autopsy saw, special tringle chuck

Autopsy Saw „Electronic Power“

By using the latest electronic system and electrical parts we are able to offer you a slim motor with a user friendly housing. Furthermore ergonomic and anthroposopic aspects have been considered in respect of smaller hands, noiseless during use (as not to frighten children while cutting the plaster, we recommend a lower number of oscillations).

The ambiental temperature for storing and transportation should not fall below 5 °C and not exceed 40°C. Furthermore humidity should not exceed 80%.

Technical data / classification

Part.-Nr. 33.340.00, autopsy saw, standard = 230 V, 50 Hz, 500 W

Part.-Nr. 33.340.01, autopsy saw, standard = 110 V, 60 Hz, 500 W

Part.-Nr. 33.342.00, autopsy saw, special triangle chuck = 230 V, 50 Hz, 500 W


Part.-Nr. 33.342.01, autopsy saw, special triangle chuck = 110 V, 60 Hz, 500 W


The equipment is in accordance with classe II and typ BF.

Technical Specification

- 230 V, 50 Hz, 500 W or
- 110 V, 60 Hz, 500 W
- infinitely variable from 6500 up to 24000 oscillations
- regulation from outside of the manual operating area
- automatic load compensation for the whole oscillations amplitude
- latest electronic system with various protection and security functions
- 5 m cable with EU-connection, 230 V
- 3 m cable with US-connection, 110 V
- special positioning of the motor, protected by plaster dust
- reinforced armature shaft
- slim motor edition with silent motor 52 – 77 dB(A) in relation to the selected number of oscillations

Symbol

 double protection isolation according to class II

 medical use of typ BF

~ alternating current

 CE conformity

0/1 Power switch Off / On



Manufactured by:
MST-Instrumente GmbH
In Breiten 13
D-78589 Dürbheim / Germany
Tel. +49 (0) 7424 – 905921

Distributed by:
Dimeda Instrumente GmbH
Gänsäcker 54+58
D-78532 Tuttlingen / Germany
Tel. +49 (0) 7462 – 946113

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