

Instructions of use for plaster saw

OSCIMED 2000

1 Technical description

1.1 Electrical supply

Electrical power is supplied from a socket by a cable which passes through a transformer reducing voltage to 24 VDC. The saw runs on this 24 VDC.

1.2 The electromechanical drive

The oscillating movement of the blade is made by a DC motor and a mechanical device. This device converts the rotating movement of the motor shaft to an oscillating movement of the blade shaft.

The motor is a special DC brushless model controlled by an electronic card fixed behind the motor.

The advantage of this technology is the long life time without maintenance.

1.3 The cutting blades

The blades are circular with a synthetic coupling center. This coupling ensures the low noise level of the saw. A special patented lock nut makes it easy to install or change the blade without use of any tool.

For plaster of Paris casts, blades are in stainless steel with a white core. For fiber glass casts, blades are in hardened stainless steel with a blue core and for carbon casts, blades are in hardened stainless steel, TiN (yellow) treated, with a blue core.

1.4 Technical data

Main voltage	85-264 VAC
Electricity network frequency	50-60 Hz
Power	140 VA
Cycle of use	45 minutes on / 15 minutes off.
Length of the saw	210 mm
Diameter	46 mm
Weight	760 gr
Speed of the motor / frequency	13'200 rpm
Oscillating angle of blade	6.2°
Stroke at the end of the blade diameter 65mm	3.50 mm
Length of power supply cable	1.10 m
Length of 24 VDC cable	3.50 m
Noise level	62 dBA
European directive 2007/47/CE	EN 60601 classe 1
Protection	IP 52
Storage, carriage and use condition.	Temperature: 0 - 35° C Humidity: 0 - 90% Pressure : 900 - 1080 hpa

2 Use - Safety - Maintenance

2.1 Start and stop

Plug into electric socket.

Press button to start the saw; press a second time to stop it.

2.2 Blade change

Disconnect the power supply.

To change blade, turn the blade lock nut (1) a quarter-turn and pull it out. To remove the blade, incline it a little and pull out.

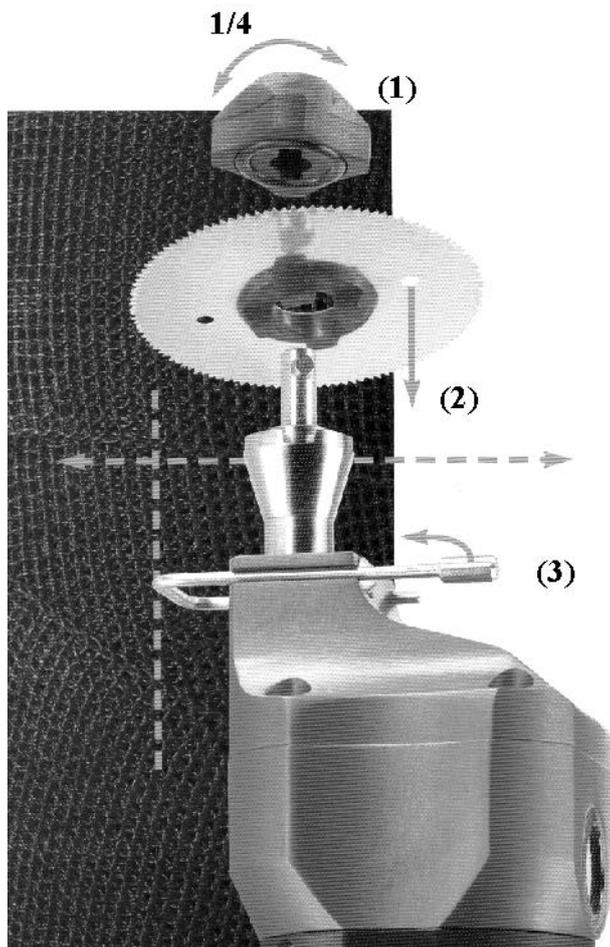
Set the new blade (2) on notched spindle, return lock nut and turn back a quarter-turn on its internal locking notch.

2.3 Setting the guide (depth gauge)

Pull the upper part of depth gauge (3) to disengage the teeth (ratchet).

Adjust the level by moving it vertically.

Release the depth gauge.



2.4 Field of use

In a general way, every use other than cutting bandages and casts is forbidden.
 In the medical field, this saw is not authorized for use where the saw blade could be in direct contact with the patient or for surgery.

2.5 Electric shocks protection, standards, labeling

Meaning of the symbols:



Read the documentation.



At the end of life of the device, please contact the relevant local authorities or your distributor concerning the disposing of sorted waste.



Product in compliance with european directives and standards.



Alternative current.



Serial number.



Reference number.



Class II device with double electrical insulation, without protective earth.

Remark concerning the immunity to the electro-static discharges:

Trials according to the EN 61000-4-2 norm have shown a non-destructive and very short lasting stop of the saw in case of a more than 4000 volts electric shock.

2.6 Maintenance - Cleaning

Disconnect the power supply before any maintenance or cleaning operation.
 Check that no electric cable is damaged, that the oscillating shaft and the switch are not blocked in their movements by an accumulation of sawing wastes.

The only maintenance this saw needs is that it has to be kept clean. Wipe clean with a damp rag. Do neither immerse the saw in water nor every other liquid, nor clean it with a shower.

3 Be sure to observe scrupulously the safety instructions

- The device can be used only by an operator competent in plaster room who has attentively read this present instruction.
- Every modification of the device in comparison with its original version is strictly forbidden.
- The device is designed only for a dry use and must be used or stored in a dry place only.
- Every use other than the one indicated on the present manual may constitute a danger which can so be avoided.
- Check that the socket in compliance with the plug of the device.
- Check that the indicated voltage on the motor block is in compliance with the used power source.
- Never let the device running unattended.
- Always take the plug off before doing whichever intervention on the device, or when the device remains unattended or within reach of children or persons who are not responsible for their actions.
- Do not pull neither lift the device when using the electric cable.
- The maintenance and repairs must be provided by specialised persons; the possibly damaged parts will be replaced by original spare parts.
- The manufacturer refuses to accept any responsibility in case of every third-party damage to people, animals or objects as a result of the lack of respect of these following instructions or if the device has been used on an improper way.

Manufacturer's address: OSCIMED SA - Allée du Quartz 3 - CH-2300 La Chaux-de-Fonds