



MIXER

“VIBROS”

IFU – INSTRUCTIONS FOR USE

MANUFACTURER

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CAUTION: use only if the packaging is undamaged or not tampered with and the device is not damaged.

WARNING: Report any device-related accidents to the manufacturer and the relevant authority.

1. GENERAL CAUTIONS

This manual gives to the user all the information about installation, use and maintenance of the mixer “Vibros”, as clear as possible.

Before starting to use this machine read carefully all the information written in this manual; the knowledge of the given instructions is necessary to a right installation and to an appropriate use of the mixer.

“Vibros” is designed and constructed with mechanical and technical safeties to guard the user against physical damages. It is full responsibility of the buyer to make sure that all the users know the instructions of this manual. The best working of the machine is guaranteed only if original spare parts will be used; the user is fully responsible for modifications, optional and devices application if they are not mentioned in this manual.

The producer is not responsible if damages will be caused by not appropriate use of the machine, not following these instructions.

2. WARNINGS, INSTRUCTIONS AND CONTRAINDICATIONS

WARNINGS AND INSTRUCTIONS

- Read all the instructions carefully before using the device.
- The device is for use in a dental environment only.
- Use the device for its intended use only: for vibrating dental capsules, and as described in this manual.
- Do not leave the device exposed to weather conditions or dust; store it under the prescribed environmental conditions.
- Do not use the device by connecting it to other equipment and accessories not described in the instructions.
- Do not pull the power cable or the device to unplug it from the power socket.
- Before connecting electrical cable, make sure that voltage is the same that is written on the label. 10% Voltage variation (in addition or at least) can damage electrical parts.
- Always remove the mains cable from the power outlet, before carrying out any kind of maintenance.

CONTRAINDICATIONS

- Do not use the device near water or liquid substances that might be accidentally spilled onto the device.
- Do not use the device with wet hands.
- Do not use the device near heat sources, heated surfaces, sparks, flames or other sources triggering ignition.

3. IDENTIFICATION OF THE DEVICE

INTENDED USE

The “Vibros” mixer is a dental mechanic-electric mixer which operates with a type “8” vibration used for all type of amalgam capsules, composites and other dental materials. The device, thanks to the safety-cover and to the adjustable timer, every kind of dimensions and of type capsules can be vibrated.

USERS

The device is intended for professional use and must be operated by trained personnel. Under no circumstances should it be used or handled by inexperienced and/or unauthorised persons.

OPERATING PRINCIPLE OF THE DEVICE

By means of an eccentric and a figure-of-eight movement by its forks, the capsule vibrates so that its component materials can amalgamate.

TECHNICAL CHARACTERISTICS

Device dimensions (W x D x H)	210 x 220 x 145 mm
Dimensions with packaging (WxDxH)	300 x 345 x 150 mm
Weight	Net: 3,650 kg / Gross with packaging: 4,400 kg
Feed	220/240 V – 50 Hz
Fuse	3,15 A
Absorbtion	0,3 A – 25 W
Mixing frequency	4.400 impulses/minute \pm 5%
Mixing time	Freely adjustable from 1 to 99 seconds depending on the products to be mixed
Environmental conditions of use - storage	Temperature: 18 – 40°C Relative humidity: 90% without condensation
Insulation class	I
Service life	10 years. 10 years after the date of manufacture, specified on the label on the back of the product, the device can no longer be used and the manufacturer can no longer be held liable for any damage or accidents caused by its use.

4. INSTALLATION

- Place the mixer on a horizontal desk.
- Connect the mixer "VIBROS" to an earthen socket with 230 Volt - 50 Hz.
- Switch on "VIBROS" with the "O-I" button in the side of the device.
- Place the capsule in the capsule holder and close the safety lid completely.
- Adjust the mixing time from 1 to 99 seconds:
 - Press the "SET" (Picture 1) button one time for adjustment in steps of 10 seconds each.
 - Press the "▲" and "▼"(Picture 1) button to increase or decrease the mixing time by 10 seconds at a time.
 - Press the "SET" button a second time for adjustment in steps of 1 second each.
 - Press the "▲" and "▼" buttons to increase or decrease the mixing time by 1 second at a time.
 - Press the "SET" button a third time to save the programmed mixing time.
- To start the mixing process press the "START/STOP" button (Picture 1).
- If you wish to stop the mixing process, press the "START/STOP" button at any time.
- For safety reasons the mixer only operates with the safety lid fully closed.

NOTICE:

At the end of the mixing time the mixer remains programmed with the last mixing time adjusted (even when the device is switched off or disconnected). By simply pressing the "START/STOP" button the mixing process is repeated.



Picture 1

5. WORKING ANOMALIES

PROBLEM	CAUSE	REMEDY
The mixer does not power-on	The power cord is not plugged-in	Plug it in
	There is no voltage at the socket	Check the cause of the lack of voltage at the socket and fix it
	The main switch is on "O"	Turn the switch on "I"
	The main fuse is blown	Replace with new fuse of same rating value.
The timer does not power-on	The device is switch off	Switch on the device
	The timer is fault	Contact customer services to replace the timer
	The transformer is fault	Contact customer services to replace the transformer
The timer does not change the seconds	The timer is fault	Contact customer services to replace the timer
The timer buttons do not work	The timer is fault	Contact customer services to replace the timer
	The membrane keyboard is fault	Contact customer services to replace the membrane keyboard
The mixer does not work	The timer is fault	Contact customer services to replace the timer
	The engine does not work	Contact customer services to replace the engine
	The safety cover is open or fault	Close the safety cover. If broken, contact customer services for a replacement.
	The micro switch is fault	Contact customer services to replace the micro switch
The mixer mixes slowly	The condenser is fault	Contact customer services to replace the condenser
	The engine is fault	Contact customer services to replace the engine
	The bearings are fault	Contact customer services to replace the bearings

6. MAINTENANCE

The components are not subject to wear and tear. If one of the components of the device should break, contact our customer services.

7. CLEANING

Do not use corrosive products, acids, steel wool or steel brushes to clean the dental mechanic-electric mixer. Clean the outside with a damp cloth and ethyl alcohol diluted 50/50 with water. Apply the product and dry.

Do not wash the device with direct water jets.

8. DISPOSAL

The device must be disposed of in compliance with the directives introduced to protect the environment (2011/65/EC, 2012/19/EC) concerning waste from electrical and electronic equipment (WEEE).

9. LIABILITY

The manufacturer accepts no liability whatsoever for any damage to persons or property caused by non-compliance with this manual.

The manufacturer accepts no liability for any damage to persons or property resulting from any type of alterations, or from attaching any accessories or equipment to the device that are not explicitly approved in this manual, especially if they might alter the original operation of the device in any way.

The product is subject to deterioration over time. Ten years after the date of manufacture, the device can no longer be used and the manufacturer can no longer be held liable for any damage or accidents caused by its use.

10. LABEL

Example of the label attached to the back of the device:



12. DECLARATION OF CONFORMITY

DICHIARAZIONE DI CONFORMITÀ UE

(Allegato IV del Regolamento UE 2017/745)

EU DECLARATION OF CONFORMITY

(Annex IV of EU Regulation 2017/745)

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In qualità di fabbricante dichiara sotto la propria responsabilità che il dispositivo medico

As a manufacturer, declares under its own responsibility that the medical device

VIBRATORE PER CAPSULE

DENTAL MECHANIC-ELETRIC MIXER

Tipo di dispositivo – Device type

VIBROS

Nome commerciale – Trade name

13500-0002-0

Codice prodotto – Product code

805938678AMALGAMATORE8K

UDI-DI di Base - Basic UDI-DI

I in accordo alla regola 13 dell'allegato VIII MDR

I In accordance with rule 13 of Annex VIII MDR

Classe di rischio – Risk class

è conforme al Regolamento UE 2017/745 relativo ai dispositivi medici.

complies with EU Regulation 2017/745 on medical devices.

Legale rappresentante
Piccinin Renzo

Cusano di Zoppola, 09.08.2023



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