

# INDUCTION BURNER E-BUNSEN



## USER AND MAINTENANCE MANUAL



### 1. DESCRIPTION

E-BUNSEN is an equipment using electronic induction to heat wax modelling tools. These are the advantages of working dental waxes by means of E-BUNSEN:

- **maximum safety**, because no gas and open flame are used
- **high modelling speed**: in a couple of seconds, the tool will be hot
- **quicker modelling moves**: being a localized heating system, which activates only when the waxing tool is inserted, E-BUNSEN can be installed much closer to the modelling workplace with respect to a traditional bunsen burner.

## 2. TECHNICAL SPECIFICATIONS

Descriptions	
Length	<b>90 mm</b>
Width	<b>210 mm</b>
Height	<b>90 mm</b>
Net and gross weight	<b>0,9 kg – 1,2 kg</b>
Network tension	<b>230 v AC – 50/60 Hz</b>
Absorption	<b>100 W</b>

## 3. INSTALLATION INSTRUCTIONS

- Position the induction burner aside of the workplace. The inclination fo the inductor is designed to contain the waxing tool so that this is equally distant from the inductor walls.
- Insert one of the small plastic beakers into the inductor to collect any drops of wax which could possibly fall from the tool.
- Connect the supply cable into a certified, grounded plug and verify that the network tension corresponds with the data shown on the label.

## 4. INSTRUCTIONS FOR USE



- Switch on the main shutter on the rear side of the unit; the green front LED will turn on.
- When the unit is working, electronic boards and the inductor are constantly cooled by a fan, which originates a light noise.
- Like all electronic appliances of this kind, E-BUNSEN Is immediately ready for use.
- To start heating, just position the waxing tool and your finger close to the inductor; a specific sensor will detect their position (the LED will turn RED). Induction will start when the waxing tool is in the middle of the inductor hole.
- This process interrupts automatically when the tool is extracted.

If the device detects the presence of non-metallic material, it interrupts the heating process (the two LEDs will alternatively switch from one color to another). In that situation, switch off the main shutter and switch on the unit again. If this anomaly occurs again, it is possible to set the sensibility of the positioning sensor, as this can be influenced by external factors (temperature, humidity, differential of tension). This operation is to be carried out when the unit is on.



On the left side of the unit, it is possible to insert a small screwdriver to activate an adjustable trimmer. When the device is totally turned to the minimum (leftwards) the sensibility is low (longer detection time); when turning it rightwards, sensibility will be increased. It is recommended to set the device in the middle position of the scale.

**WARNING:** the new model has go 2 sensors which perfectly detect light colors. Possible malfunctions, however, might occur if the tool is blackened, for instance, by extensive use.

## 5. MAINTENANCE



Before carrying out any maintenance operation on any connection inside the machine, disconnect the plug from the socket; in this way the unit will be completely cut off.  
In case of any doubts, difficulties or possibility of mistake, contact our Technical Service to avoid any risk or damage.

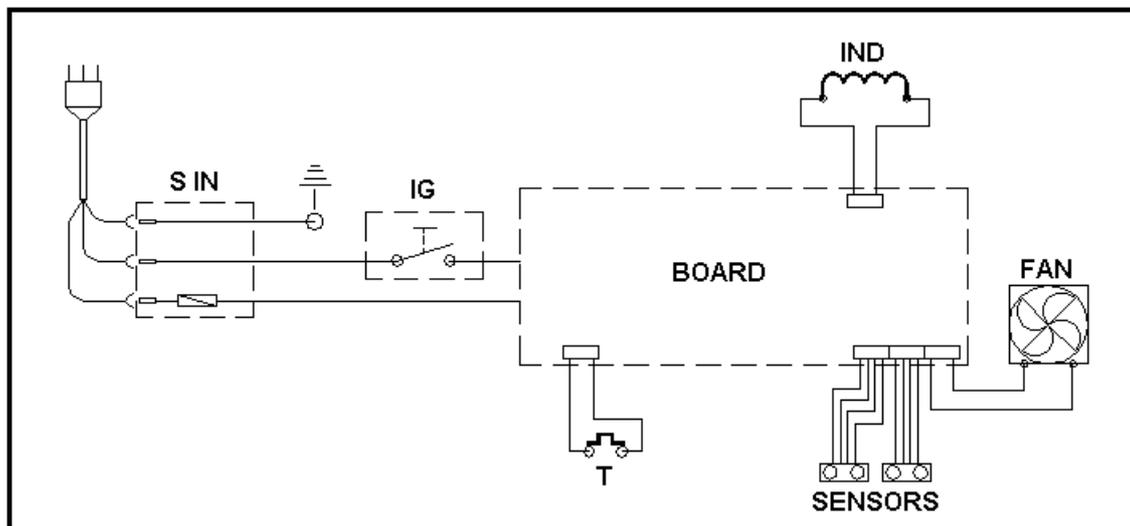
### Cleaning of the heating compartment

We recommend to keep the heating compartment clean from **any metallic parts**; do not forget to reposition the plastic beaker after cleaning.

### Cleaning of the unit

Wipe with a soft tissue, do not use water to avoid any damages affecting the electronic installation, do not use any additive products or solvents which may spoil the plastic surface. Periodically blow the fan grid (located on the lower side) with compressed air.

## 6. WIRING DIAGRAM



REF.	DESCRIPTION
<b>S IN</b>	Plug and fuseholder unit
<b>IG</b>	Main switch
<b>BOARD</b>	Electronic board
<b>IND</b>	Inductor
<b>FAN</b>	Fan
<b>T</b>	Thermostat
<b>SENSORS</b>	Optical sensors

## 7. TECHNICAL REFERENCE REGULATIONS AND TEST PROCEDURES

The electronic induction burner E-BUNSEN is mass-manufactured by DENTALFARM in compliance with technical and safety rules in force, as provided for by the 2006/42 CEE Community Directive on Machinery.

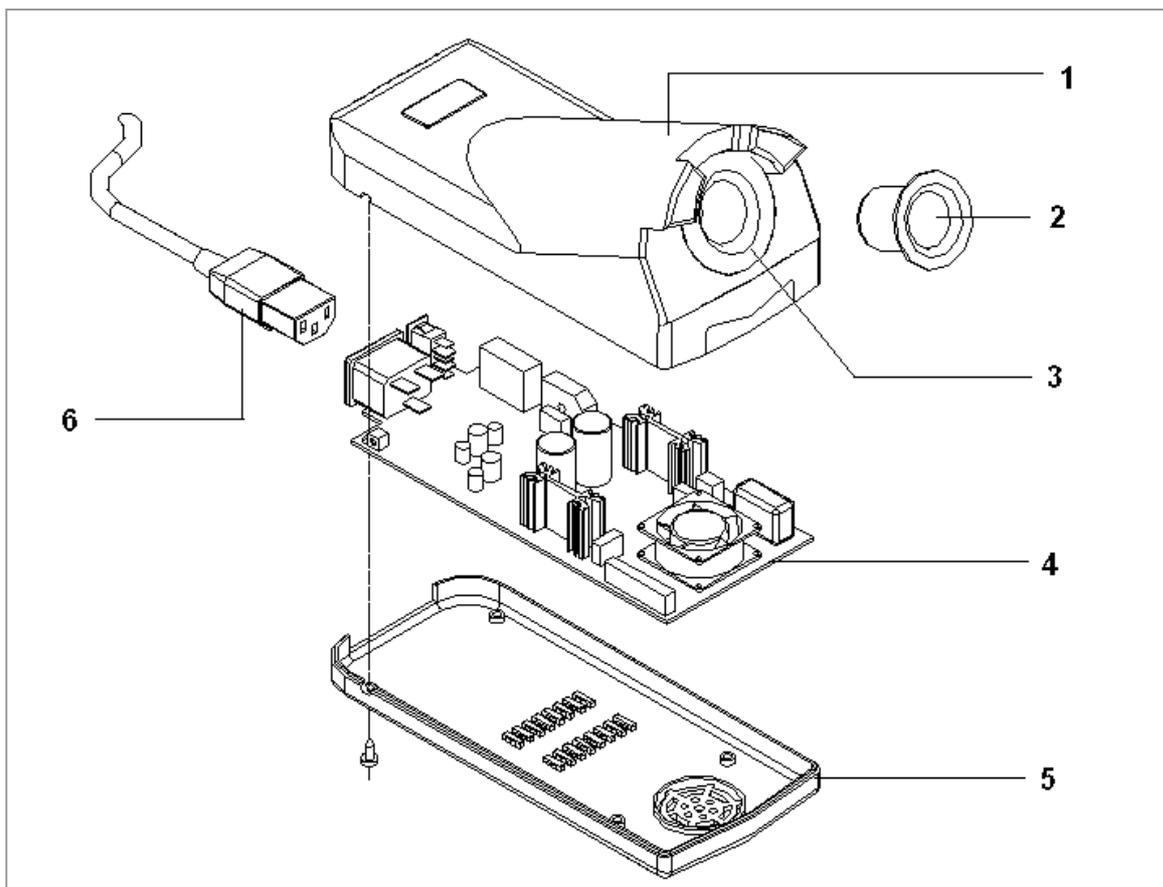
Careful inspection and full routine testing is carried out singularly on each machine which is further tested by an automatic test installation assuring compliance with the fixed limits.

## 8. DEMOLITION AND WASTE DISPOSAL

According to international regulations, this unit has been classified as AEE (electric and electronic device, whose correct operation depends on electric currents and electromagnetic fields) and as a consequence, at the end of its lifetime, it can not be treated as normal waste material but it must be disposed separately, complying with the Directive 2002/96/CE



## 9. EXPLODED DRAWING - SPARE-PART LIST E-BUNSEN (A6020)



N.	ITEM	DESCRIPTION
1	<b>6020006</b>	UPPER HOUSING
2	<b>6020003</b>	WAX COLLECTION SILICONE CUP
3	<b>6020005</b>	INDUCTOR – SENSOR UNIT
4	<b>6002004</b>	ELECTRONIC/WIRING SYSTEM
5	<b>6020007</b>	LOWER HOUSING
6	<b>NEV013</b>	ELECTRIC CABLE WITH PLUG/SOCKET

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