



Operating instructions

Wax immersion unit and duplicating device REF 65005 (230 V) REF 65001 (115 V)



Please read carefully the user instructions before working with the unit! Keep the user instructions in a safe place for subsequent usage!

	<p>Important Information</p>
	<p>Warning</p>

Index

Page

1 General	9
2 Safety regulations	9
2.1 Usage according to the regulations	9
3 Installation	10
3.1 Scope of delivery	10
3.2 Technical data	10
3.3 Spare parts and accessories	10
3.4 Assembling and connecting the unit	10
4 Working with the materials	11
4.1 Waxing of ear impression taking (molds)	11
4.2 Melting of duplicating gel for the manufacturing of negative molds	11
4.3 Refill or exchange of the immersion wax or duplicating gel	11
5 Service/After-sales service/Warranty	12

1 General

The electrical wax immersion unit and duplicating device can be used for two different kinds of manufacturing of otoplastics and ITE shells:

- a) for the waxing of ear impression takings (molds) with high-quality immersion wax (REF 41201)
- b) for the melting of duplicating gel (REF 40900) for the manufacturing of negative molds

The unit is equipped with a heating plate as well as a material hopper including a lid to protect the device against impurity.

The device was built according to state-of-the-art technology and is easy to use.

For the temperature control of the immersion wax and/or the duplicating gel, we recommend the digital thermometer (REF 65002) as well as the appropriate support (REF 65007). In addition to that, we would also recommend the dipping sieve (REF 65004) to immerse and remove the impressions in a comfortable way.

2 Safety regulations

	<p>The electrical immersion unit and duplicating device is used to heat up dipping waxes and/or duplicating gel. A use other than described in the operating instructions may lead to injuries of the operator or of third persons. Furthermore, the device or other material assets may be damaged. Therefore, the device must be used in technically perfect condition only and the safety regulations must be strictly complied with.</p>
--	--

2.1 Usage according to the regulations

	<ul style="list-style-type: none"> • Protect the unit from dust. Use the unit on dry working places only. • Qualified and trained persons must use the device only • Use the unit in perfect conditions only. • Before putting the device into operation, the user has to read the operating instructions and ask the manufacturer in case of questions. • Connect the device to permissible sockets only; • Please adhere to the accepted safety regulations. • Before switching on the unit, make sure that the container is filled with immersion wax or duplicating gel (please also adhere to the processing manual for each material to be worked with) • Do not pull the mains plug out off the socket at the mains cable. • Should the mains cable be damaged, it must be replaced at once. Defective mains cables must not be used. • The device must be repaired by the manufacturer only. • The unit must be switched off during service and maintenance operations (cleaning, replacing of the immersion wax or duplicating gel). Pull the mains plug before! • Do not use any dissolvent when cleaning the device. We generally recommend surface cleaners (Art.-Nr. 31601 ff). Do not immerse the unit in liquids. • Children must be kept away from the unit!
--	---

	<p>If other spare parts are used, all guarantee and liability claims will become extinct!</p>
--	---

3 Installation, Handling and Initial Operation

3.1 Scope of delivery

Please check whether the delivery is complete and whether all parts are free from transport damage. Immediately inform us or the distributor about missing parts or transport damage.

Device consists of:

- 1 heating plate
- 1 container with content of 0.9 liter (30 fl. oz)
- 1 lid
- 1 US adapter (only with 115 V-version)
- 1 operating instructions

3.2 Technical data

Power supply:	230 V	115 V
Connection:	mains plug Schuko (German), 115 V version with US adapter	
Power input:	500 W	

3.3 Spare parts and accessories

- Lid for container (REF 65011)
- Container(REF 65013)
- Digital thermometer (REF 65002)
- Support for thermometer(REF 65007)
- Diving sieve (REF 65004)
- Operating instructions

3.4 Assembling and connecting the unit

The electrical wax immersion unit corresponds to the state-of-the-art standards and to the acknowledged safety regulations, nevertheless dangers can arise. Please observe the following before putting the unit into operation:

- Unit must be operated by qualified persons only.
- Observe the recognized industrial safety regulations.
- Unit must be used in technically perfect condition only and in compliance with the user instructions.
- Put the device horizontally and place it in its suitable working position.
- Protect the unit against vibrations.
- Check whether the unit is dry.
- Check whether the device is in technically perfect condition, especially the mains cable!
- Depending on the required usage, fill the container with immersion wax or duplicating gel. It should be filled as much immersion wax, so that the impressions are well-covered.
- Close the wax container with the stainless steel lid.
- Plug in the mains cable.

4 Working with the materials

The unit is used to melt waxes or duplicating gels. Never use the unit without filling the container with duplicating gel or immersion wax.

4.1 Waxing of ear impression takings (molds)

The container is adequately filled with immersion wax (REF 41201). Turn on the unit via the thermostat and the required temperature (see wax process instructions). After the warm-up time and before starting the waxing operation, you should check the wax temperature by means of the digital thermometer (REF 65002).

Put the impression onto the immersion sieve, immerse the impression into the wax and finally remove it again. After a short cooling time, you can take out the waxed impressions of the sieve.

4.2. Melting of duplicating gel for the manufacturing of negative molds

The container is adequately filled with duplicating gel (REF 40900). TIP: For a fast and gentle melting, we recommend reducing the duplicating gel into small pieces. Switch on the device with the controlling thermostat to adjust the required temperature. Slowly warm-up the duplicating gel up to 93 °C (199 °F) and regularly check the temperature with the digital thermometer (REF 65002). Please take care that the duplicating gel does not overheat. After melting homogeneously the duplicating gel, it is cooled down by reducing the temperature at the controlling thermostat down to 45 °C – 48 °C (113 °F – 116.6 °F).

As soon as the duplicating gel has reached its temperature it can be filled into the investment form. Please also adhere to the processing instructions for the duplicating gel.

4.3 Refill or exchange of the immersion wax or duplicating gel

It may occur that the level of the immersion wax or gel becomes lower in the course of time. Bear in mind to have a sufficient amount of immersion wax and/or gel on stock. You can always top up the material in the container with new one.

Note: By melting the duplicating gel several times, the material can become cloudy.



Before each maintenance, the device must be separated from the mains supply. Hot materials have to be cooled down – otherwise danger of burning! Move or transport the unit only in cooled condition.

5 Service/After-sales-service/Warranty

Warranty

The warranty period for our devices starts with the date of delivery and is 12 months. Excluded from the guarantee are modifications of the unit as well as all other parts of the unit which are subject to wear and tear.



In case of improper handling of the electrical wax immersion unit and duplicating device all liability and warranty claims will become extinct!

We will be pleased to be of assistance to you in case of damage or other malfunctions:

egger Otoplastik + Labortechnik GmbH
Aybühlweg 59
87439 Kempten/Germany
Phone: +49 831 58113-60
Fax: +49 831 58113-14
email: sales@egger-labor.de
Internet: www.egger-labor.com

Please indicate the following data:

Type of unit: Electrical wax immersion and
duplicating unit
(REF 65005 for 230 V)
(REF 65001 for 115 V)
Serial-Nr.:

See label

