



# Instruction manual

## Polishing motor PM 2200

### REF 60000



Please read the instruction manual carefully before working with the device!  
Please keep the instruction manual at a safe place for later reference!

|   |                       |
|---|-----------------------|
|  | Important information |
|  | Caution               |

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## 1 General

The approved polishing motor PM 2200 is suitable for its multifunctional use in a professional otoplastic laboratory. By means of a special abrasive stone you can mold the otoplastic in its future shape as well as you can polish the surfaces of hard acrylic earmolds by using the wet polishing agent Steribim.

This high-performance and very sturdy motor is due to its considerable self-weight very slip-resistant, silently running and maintenance-free in its day-to-day operations. There are two different speeds possible 1.500 and 3.000 rpm/min. It will be delivered with two spindles one for each side.

## 2 Safety regulations

|  |  |
|--|--|
|  | <p>The electrical polishing motor is used to work out otoplastic blanks and/or for wet polishing of hard earmolds. 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 Working according to the safety regulations

|  |   |
|--|---|
|  | <ul style="list-style-type: none"> <li>• Protect the unit from dust. Use the unit on dry working places only. Make sure the surface is clean, even and flat.</li> <li>• Qualified and trained persons must use the device only.</li> <li>• Before putting the device into operation, the user has to read the operating instructions and ask the manufacturer in case of questions.</li> <li>• Connect the device to permissible sockets only.</li> <li>• Please adhere to the accepted safety regulations.</li> <li>• This unit is used to work out hard and soft earmold blanks by means of an abrasive stone or to polish hard otoplastics with special buffing wheel by using a wet polishing agent. Please also adhere to the processing manual and product information for each material</li> <li>• Tools and materials from a specialized supplier are to be used only.</li> <li>• Do not pull the mains plug out off the socket at the mains cable.</li> <li>• Should the mains cable be damaged, it must be replaced at once. Defective mains cables must not be used.</li> <li>• The device must be repaired by the manufacturer only.</li> <li>• The unit must be switched off during service and maintenance operations. Pull the mains plug before!</li> <li>• Each free-wheeling spindle is to be removed when not in use.</li> <li>• During all works safety goggles are to be worn. Avoid too large and loose clothes. Take off all jewellery before working.</li> <li>• Tie up long hair or wear a hairnet.</li> <li>• Do not use any dissolvent when cleaning the device. Do not immerse the unit in liquids.</li> <li>• Children must be kept away from the unit!</li> </ul> |
|--|---|

|  |   |
|--|---|
|  | <p>If other spare parts are used or made by yourself, 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.

Polishing motor consists of:

- 1 Polishing motor
- 2 Spindles for the left and right hand side
- Operating instructions

Apart from that we can offer you a variety of accessories from our large range of products (see 3.3) such as:

- Polishing trough
- Polishing agent Steribim
- Suction units incl. accessory
- Buffing wheel
- Grinding stone

#### 3.2 Technical data of the polishing motor PM 2200, 220V (REF 60000)

|                  |                              |                             |
|------------------|------------------------------|-----------------------------|
| Power supply:    | 230 V (or 110V at REF 60001) |                             |
| Mains frequency: | AC 50 Hz                     |                             |
| Connection:      | mains plug Schuko (German)   |                             |
| Power rating:    | 160/ 350 W                   |                             |
| Rpm at 50/60 Hz: | level 1                      | 1,500 <sup>-1</sup> rpm/min |
|                  | level 2                      | 3,000 <sup>-1</sup> rpm/min |
| Weight:          | 11.2 kg                      |                             |

#### 3.3 Spare parts and accessory for polishing motor PM 2200

|                                  |                                 |
|----------------------------------|---------------------------------|
| Spindle 85 mm left side          | REF 60096                       |
| Spindle 85 mm right side         | REF 60097                       |
| Polishing trough                 | REF 60100                       |
| Insert tray for polishing trough | REF 60102                       |
| Polishing agent Steribim         | REF 49000 (1 kg), 49001 (10 kg) |
| Suction units                    | on request                      |
| Polishing buffing wheel          | available in different types    |
| Abrasive stone red               | REF 77100                       |
| Abrasive stone holder left side  | REF 60201                       |
| Abrasive stone holder right side | REF 60202                       |

### 3.4 Assembling and connecting the unit

The electrical polishing motor PM 2200 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!
- Plug in the mains cable.

### 3.5 Initial operation and handling of the polishing motor PM 2200

At initial operation remove the protective grease from the shaft and from the spindles delivered (marked with „L“ and „R“). Attach the polishing spindle marked with “R” to the right hand side and the one marked with “L” to the left hand side of the shaft. To remove the spindles take out the release nut.

## 4 Working with the polishing motor

Fixing of the buffing wheel on the spindle only by hand. Mix the wet polishing agent Steribim (REF see 3.3.) with water until it becomes mushy. Set the motor to its required revolution speed of 1.500 or 3.000 rpm. Then apply the mixed polishing agent onto the otoplastic and hold it against the buffing wheel and hence polish the surface. Repeat this process until the earmold is completely polished. After polishing the earmold rinse it under water and dry it with compressed air.



**Adhere to the approved safety at work regulations as well as to the safety advises at 2.1.!**

## 5 Maintenance




Before each maintenance, the device must be separated from the mains supply.

The polishing motor can be operated maintenance-free. Storage of the motor is laid out to make regreasing unnecessary.

## 6 Service/After-sales-service/Guarantee

### Guarantee

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

|   |  |
|---|--|
|  | <p>In case of improper handling of the electrical polishing motor all guarantee and warranty claims will become extinct!</p> |
|---|--|

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

egger  
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Please indicate the following data:

Device type:  
 Electrical polishing motor PM 2200  
 (REF 60000 for 220V)  
 (REF 60001 for 110V)  
 Serial-Nr.:  
 .....  
 (see label)

