

## Operating Instructions

### POLYCURE

LABORATORY EQUIPMENT IN  
STAINLESS STEEL



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Dear Customer!

The POLYCURE offers three light frequencies for a wide variety of materials. Durable high-performance LEDs, a large turntable and integrated ventilation in the interior ensure optimum curing conditions. Ideal operability is ensured by the individual setting on the electric timer and the large access area via the hinged lid.

After having unpacked the device, please check carefully whether transportation damages of any kind have occurred. If that is the case, the carrier or manufacturer must be notified within 3 days. The company will not be responsible for any damages found after that.

These operating instructions must be read and followed by all personnel who use this device. To ensure quick access we recommend to keep it at a safe place near the device. In case of loss it can be ordered at a nominal fee from the manufacturer.

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# 1 Technical Description

## 1.1 Basic Equipment

- POLYCURE

## 1.2 Device Components

- 1 Power switch
- 2 Control panel with display and programming keys
- 3 Frequency controller
- 4 Viewing window
- 5 Lid
- 6 Turntable
- 7 High-performance LED
- 8 Ventilation
- 9 Device's fuse



## 1.3 Technical Data

Line voltage	230 V/50-60 Hz
Current consumption	100 W
Sound level	≤ 70 dB(A)
Wavelength	385-390 / 405-410 / 465-470 nm
Dimensions W x H x D	21 x 21 / 44 x 33,5 cm
Housing	Stainless steel
Order-No.:	18310000
Made in Germany (Subject to modifications)	

## 2 Safety Notes

### 2.1 General Safety Notes

- All equipment undergoes final inspection and testing before leaving our factory. However, if equipment is damaged during shipping or through any other circumstances, it must not be used in service. Please check the device regularly for damages. Damaged parts should be replaced immediately.
- All power/air/water/gas sources should be rated for the demands of the device as listed in the technical data sheets. Maximum ratings must not be exceeded. All VDE (Verein Deutscher Elektro-Ingenieure) standards should be followed. Equipment should be grounded according to standards.
- Adherence to valid regulations regarding necessary checks (e.g. according to Accident Prevention & Insurance or electrical equipment) is exclusively taken over by the buyer/user of this product.
- This device has been designated to be used only for its intended purpose. All other applications must be prohibited for safety reasons as otherwise the manufacturer's warranty expires.
- The device should be set-up in a clean, well-ventilated room, if necessary under a hood.
- Supporting surfaces should be straight, flat and adequately stable.
- Don't place anything on top of the machine.
- To avoid injury, appropriate protection should be worn (e.g. gloves, safety glasses, safety shoes, hearing protection etc.)
- If the machine is defective or working improperly it must be taken out of service. In case of further use of the machine the owner will be held responsible for any consequential damage.

- To prevent accidents from water, fire or explosion, all power/air/water/gas sources should be turned off after working hours and during breaks, and secured against unauthorized access.
- When carrying out maintenance works or repairs or when opening the device always turn off the main power switch and unplug the whole unit.
- Repairs should be carried out only by the manufacturer or by qualified and certified personnel appointed according to chapter 7 – warranty.
- In case of leaking water out of housing or tank shut down device and call service.
- Check all hose joints for tightness, if necessary fasten clamps.

## 2.2 Specific Safety Instructions

- Install the unit on a stable and water-repellent surface.
- The device works with UV light. Therefore, be careful not to look directly into the light inside the device.
- In the immediate vicinity of the device no flammable or explosive substances may be stored.

### **Note:**

To avoid retinal damage when using the device with UV light, be sure to observe appropriate precautions and use the viewing window (4) to view the objects during the curing process.

### 3 Installation

The electric equipment is being delivered fully installed. The sealed plug can be connected directly to the mains supply 230 V/16 A. For installation please refer to chapter 2.

#### 3.1 Control panel

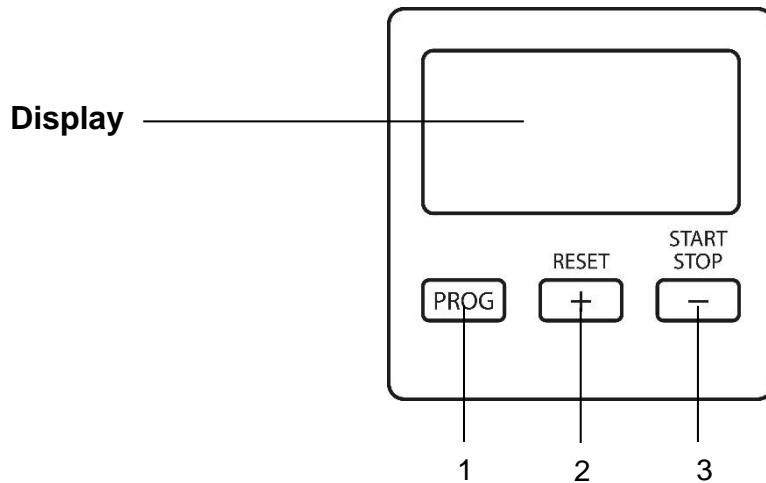


Fig.: Control panel

#### Program keys

- 1 Programming button (hours, minutes, seconds)
- 2 Time + or Reset
- 3 Time – or start/stop button

## 4 Operating Instructions

### 4.1 Commissioning

1. Connect the power supply with the mains plug located on the device. On the front side is the main switch (1) for switching on the device. After finishing work, switch off the appliance with the main switch (1).
2. Open the lid (5) by turning it upwards.
3. Place the materials you want to harden on the turntable (6).
4. Close the lid (5).
5. Select the desired wavelength using the frequency control (3).

### 4.2 Programming

1. After being switched on by the main switch (1), the display shows the last stored runtime. Press the „Prog“ button on the control panel (2) to start setting the time. By repeatedly pressing button 1, you automatically jump to the next setting (1x = hours, 2x = minutes, 3x = seconds, 4x = confirm).
2. Use the (+) or (-) button to set the respective time higher or lower. By holding the keys, the time can also be set in increments of ten.
3. After confirming the selected time, press the Start / Stop button (3). The turntable (6) now automatically starts to turn and the high-power LEDs (7) start to light up.
4. By pressing the Start / Stop button again, you can interrupt or restart the curing process at any time.
5. By pressing the Reset key the time can be reset to the origin during the stop phase.
6. Once the time is up, the device stops automatically and an audible signal sounds. The time is automatically reset to the startup setting.



## 5 Troubleshooting

Device doesn't turn on.	a. Check fuses in the building. b. Check device's fuse
Objects do not harden properly.	a. Check whether the LEDs or the interior are possibly dirty (see also chapter 6) b. Possibly ventilation defective - contact service
Ventilation does not turn off.	a. If higher temperatures have been reached during light curing, the device cools down until a standard temperature is reached again b. If the ventilation doesn't turn off even after several minutes → please contact our service hotline
Other disorders.	Contact service.

## 6 Maintenance

- Regularly check the device. Pay attention to visible damage to housing or power cord.
- Make sure that the interior of the device remains clean. Only in this way an optimal curing of the objects can be guaranteed.
- Clean the housing regularly with a damp cloth.

### Note

- Clean and protect your device regularly with the REITEL stainless steel care spray (order-no.: 90405000) to remove lime, plaster and dust as well as other contaminants from the surface of equipment and to prevent corrosion. The spray creates a water repellent protective film which helps keep the equipment clean.

## 7 Warranty

We, REITEL Feinwerktechnik GmbH, offer a 1 year's warranty beginning from the proven date of purchase. This warranty covers all defects traceable to materials, design or workmanship. The following warranty regulations are applicable:

Within the warranty period Reitel Feinwerktechnik GmbH or an authorized distributor agrees at its sole option, to perform repair or replace this product at no charge covering all defects traceable to materials, design or workmanship. Warranty only applies to appropriate use and regular maintenance of this product according to the operating instructions. Claims under warranty are restricted to complementary performance. Additional claims, especially claims for indemnifications, are not covered by this warranty.

1.

Warranty claims have to be addressed to the distributor the product was purchased from or directly to our service department.

Contact:

REITEL Feinwerktechnik GmbH

Senfdamm 20

49152 Bad Essen

Germany

Phone: +49(0)5472-9432-32 (Service Department)

Phone: +49(0)5472-9432-0 (Reception)

Fax-No: +49(0)5472-9432-40

2.

In case of warranty claim application the sales receipt or your purchase invoice showing the date of purchase of the product and the serial number must be furnished. Securely pack and ship the device, freight charges prepaid, at your own risk to us, along with a report describing the defect. We reserve the right to decline warranty if this information has been removed or modified after purchase of the product or if they are not included in case of warranty claims.

3.

Warranty repairs have to be performed by REITEL Feinwerktechnik GmbH or by authorised distributors. Repairs performed by non-authorised companies will void the claim for refund since damages to the product resulting hereof are not covered by warranty.

4.

If the unit sent in for repair or replacement is still under the original warranty then warranty is to the end of the original 1 year warranty.

5.

If the unit is destined to be operated in another country than originally intended and manufactured for, modifications to the product might be necessary to comply to special technical and /or safety standards of that specific country. Such modifications are no defects traceable to materials, design or workmanship. and are therefore expressly excluded from warranty claims.

Modification costs or damages arising from operation of the product under deviating conditions are not covered by warranty.

6.

Exclusions from warranty:

- Service and maintenance work as well as repair and replacement of consumables according to our consumables' list
- Transportation cost of the machine or installation and dismounting expenses incurred
- Damages due to use of the product other than for its intended purpose
- Damages due to faulty installation or insufficient maintenance of the product (e.g. decalcification)
- Damages due to natural disaster e.g. lightning, water, fire, act of nature beyond control, war, inadequate line voltage, insufficient ventilation, no decalcification, insufficient care and cleaning or non-adherence to operation and maintenance instructions according to the accompanying operation guide.
- Damage due to use of the product other than in accordance with the instructions provided by REITEL Feinwerktechnik GmbH;
- The warranty does not cover the cost of removal and replacement of parts and accessories, unless supplied as original equipment by REITEL Feinwerktechnik GmbH
- All kind of damages occurred not directly at the device as well as consequential damages (e.g. damages to furniture due to a lack of water, downtime of the machine, material, lost working hours, wages and other consequential damages).

This warranty shall be rendered null and void if:

- the product has been subject to any modification, repair or replacement other than as authorised by REITEL Feinwerktechnik GmbH
- the product is continued to be operated despite a functional defect

7.

The warranty is device specific and may be claimed, within the warranty period, by any person who has legally acquired the device.

8.

Consumables are excluded from warranty. Spare parts are subject to a warranty coverage of 6 months against all defects traceable to materials, design or workmanship according to these warranty regulations.

9.

Legal default claims on the part of the purchaser remain unaffected by this warranty.

10.

We reserve the right to charge a processing fee if you do not want to carry out a repair and the device should be returned unrepared.

11.

**Please note:**

Upon repair or replacement of this unit, personal data and settings might get lost or damaged. We don't accept liability for all kind of data loss. The customer is advised to backup essential programs and data before sending for service.

12.

This warranty shall be interpreted in accordance with German law to the exclusion of UN sales law. Place of jurisdiction is our business location.

13.

If any provisions of this warranty are judged to be illegal or unenforceable, the continuation in full force and effect of the remaining provisions will not be prejudiced. The provisions of this warranty judged to be illegal or unenforceable shall be construed so as to give effect to the intent manifested by the provision held invalid, illegal or unenforceable and to give effect to section 13 hereof.

14.

Should you need to borrow a device while your device is being repaired, please contact Messrs. REITEL or your distributor. These loans are a service for which availability cannot necessarily be guaranteed. After the warranty period, a fee may be charged for loan equipment as well as for shipping and packaging.

## 8 Disposal Regulations



According to valid laws our devices are properly disposed of according to B2B – Regulations for proper disposal. Pls. contact your local dealer for additional information.

## 9 EC Conformity Declaration

### EG-Konformitätserklärung EC-Conformity Declaration CE-Déclaration de Conformité

im Sinne der EG-Richtlinie 2006/42/EG über Maschinen (Anhang II A)  
according to Machinery Directive 2006/42/EC (Appendix II A)  
au sens de la Directive Machines 2006/42/CE (Annexes II A)

**Name und Anschrift des Herstellers/Name and address of manufacturer/Nom et adresse du fabricant:**

Reitel Feinwerktechnik GmbH  
Senfdamm 20  
49152 Bad Essen

Diese Erklärung bezieht sich nur auf die Maschine in dem Zustand, in dem sie in Verkehr gebracht wurde; vom Endnutzer nachträglich angebrachte Teile und/oder nachträglich vorgenommene Eingriffe bleiben unberücksichtigt. Die Erklärung verliert ihre Gültigkeit, wenn das Produkt ohne Zustimmung umgebaut oder verändert wird./This declaration relates exclusively to the machinery in the state in which it was placed on the market and excludes components which are added and/or operations carried out subsequently by the final user. This declaration will become invalid if any unauthorised modification is made to the product./Cette déclaration concerne exclusivement les machines dans l'état dans lequel elles ont été mises sur le marché et exclut des composants ajoutés et/ou les opérations effectuées par la suite par l'utilisateur final. La présente déclaration perd sa validité si des modifications non-autorisées ont été apportées à la machine.

**Hiermit erklären wir, dass die nachstehend beschriebene Maschine/We hereby declare that the machine described below/Nous déclarons que la machine ci-dessous**

**Produktbezeichnung/Product name/Nom du produit:** Lichthärtegerät

**Typenbezeichnung/Type/Type:** POLYCURE

allen einschlägigen Bestimmungen der Maschinenrichtlinie 2006/42/EG sowie der Richtlinie 2014/30/EU (EMV-Richtlinie) über elektromagnetische Verträglichkeit entspricht. Die Schutzziele der Richtlinie 2014/35/EU über elektrische Betriebsmittel sowie 2011/65/EU (RoHS 2) werden eingehalten./is in conformity with all applicable requirements of the Machinery Directive 2006/42/EC and the Electromagnetic Compatibility Directive 2014/30/EU. The safety objectives of the Directive on Electrical Equipment 2014/35/EU as well as the Directive 2011/65/EU (RoHS 2) are adhered to./est conforme aux dispositions applicables de la Directive Machines 2006/42/CE et de la Directive Compatibilité Electromagnétique 2014/30/EU. Les objectifs de sécurité de la Directive sur les Matériels Electriques 2014/35/EU ainsi que de directive 2011/65/EU (RoHS 2) sont respectés.

**Angewandte harmonisierte Normen/Harmonised standards applied/Normes harmonisées appliquées:**

EN 12100:2010	EN 61000-6-1:2007
EN 60204-1:2006	EN 61000-6-3:2007
EN 61010-1:2001	EN 45635-1

**Bevollmächtigter für die Zusammenstellung der relevanten technischen Unterlagen:**

**Representative authorised to compile the relevant technical documentation:**

**Personne autorisée à constituer la documentation technique pertinente:**

Daniel Reitel  
Reitel Feinwerktechnik GmbH  
Senfdamm 20  
49152 Bad Essen

16.01.2018

Ort, Datum  
Place, Date  
Lieu, Date

Daniel Reitel, Geschäftsführender Gesellschafter/Managing Director/  
Directeur Général



Unterschrift/Signature/  
Signature



We manufacture in compliance with Quality Management ISO 9001:2015 incorporating established standards.



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