

## Operating Instructions

### ROTOCLEAN EASY

DENTAL PRACTICE EQUIPMENT



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Dear Customer!

The ROTOCLEAN EASY is a cleaner suitable for manual pre-cleaning of dental and surgical instruments. Two rotating brushes integrated in a disinfection bath allow even stubborn blood stains, secretions and calculus deposits to be removed from instruments and tools used in daily practice. Integrate the ROTOCLEAN EASY into your daily routine by manually pre-cleaning all instruments prior to putting them into a thermo disinfectant or in a chemical cleaning bath. As this will eliminate the need to remove organic residues at a later stage, your workflow becomes more efficient and makes it easier to conform to recommended hygienic directives (pre-cleaning of dental and surgical instruments, thermo disinfectant, packing and sterilization).

The cleaning brush set of the ROTOCLEAN EASY consists of two sterilizable brushes: One brush including a bristle-less area and one brush with a larger diameter for pre-cleaning pliers and places which are difficult to access. Consequently, and in comparison with manual brushing, direct contact with contaminated areas is completely avoided.

Any other use or usage beyond this scope is considered unintended use. The manufacturer shall not be responsible for any damages that may result thereby.

Prior to installation of the device operating instructions and especially the safety instructions must be read and followed by all personnel who use this device.

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. Store it at a safe place near the device. This documentation is protected by copyright.

Transmittal or reproduction of this document in whole or in part and disclosure of its contents is not permitted. If the operation manual gets lost an extra copy can be ordered from the manufacturer.

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# 1 Technical Description

## 1.1 Basic Equipment

- ROTOCLEAN EASY Brush cleaning system for instruments
- Cleaning brush set consisting of two rotating brushes
- Protective plexiglas cover that can be inserted either in the front or the back of the device

## 1.2 Special Accessories

- Order-No.: 20300000 Set of cleaning brushes

## 1.3 Device Description

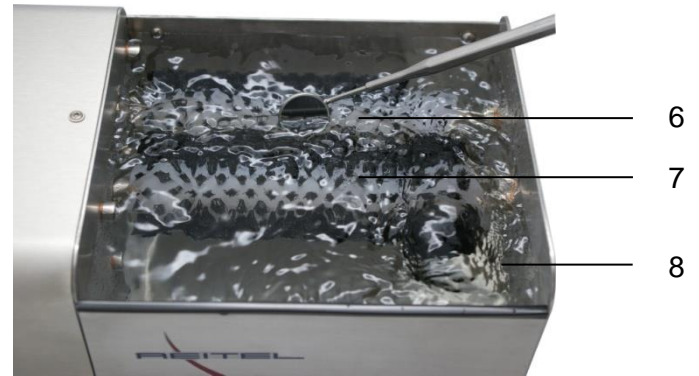
- 1 Stainless steel housing
- 2 Protective plexiglas cover
- 3 Rubber feet
- 4 Screw marked „L“
- 5 Screw marked „R“
- 6 Cleaning brush including a bristle-less area
- 7 Cleaning brush with extended bristles
- 8 Tank
- 9 Switch
- 10 Power plug



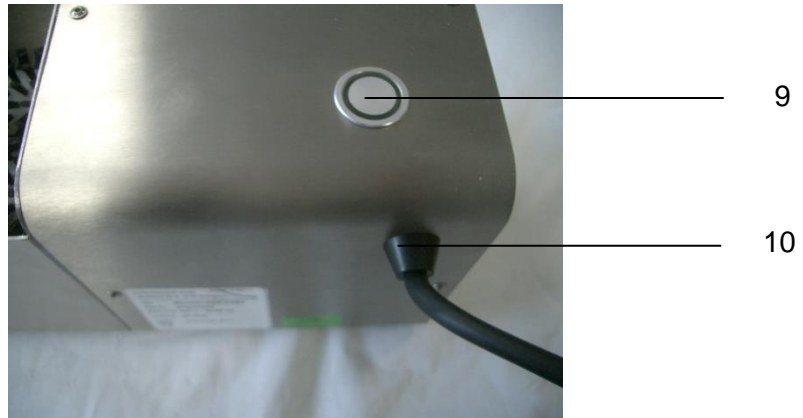
Device view



Screw marked left „L“ and right “R”



Tank



Switch and power plug

1.4 Technical Data

Line voltage	230 V/50-60 Hz
Current consumption	30 W
Height/witdth/depth	180+160/350/190 mm
Weight	6 kg
Volume	2,7 l
Sound level	≤ 70 dB(A)
Housing	Stainless steel
Order-No.:	10300000
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 connections for leak tightness, if necessary tighten hose clamps again.

## 2.2 Specific Safety Notes

**Note:**

Avoid using chlorine-free cleaning fluids. Using chlorine cleaning agents keep action time short and thoroughly rinse with water to avoid deposit and progressive concentration.

Operate the instrument only with appropriate instrument cleaners, e.g. the cleaner Dürr ID 215. Field of application only in compliance with instrument manufacturer's instructions.

The brushes must be stored upright to prevent deflection.

- The ROTOCLEAN EASY is a cleaner suitable for manual pre-cleaning of dental and surgical instruments prior to putting them into a thermo disinfectant or in a chemical cleaning bath. Workflow according to hygienic directives (pre-cleaning of instruments with the ROTOCLEAN EASY, thermo-disinfectant, packing, sterilization).
- The brushes may be disinfected and sterilized up to 50 times (no lot number, identification through basket number).
- Only use cleaning fluid according to instruments manufacturer's instructions. The instruments' manufacturer determines cleaning fluid or its components. Application according to manufacturer's instructions:
  - acidic cleaning agents = inorganic contamination (scale, deposit) – especially in the lab;
  - alkaline cleaner = organic contamination (grease, protein, blood);
  - enzymatic cleaner = organic contamination (grease, protein, blood) not suitable for alkali-resistant instruments.
- Filling level in the container: shorthaired brush must be completely covered. The almost optimized speed prevents splashing cleaning fluid. For special angular positions splashing cannot be prevented. Always pay attention to the position and avoid sudden change of angle adjustment.
- Prior to cleaning instruments insert the protective glass in working direction to prevent splashing cleaning fluid.
- To avoid injury, appropriate protection should be worn, gloves, protective eyewear and mouth protection.
- The cleaning brushes stop moving on accidental manual intervention.
- Don't deposit any devices sensitive to cleaning agents near the device.
- Keep the transformer away from humidity.

### 3 Installation

The electrical 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 safety notes in chapter 2.

### 4 Notes for the User

#### 4.1 Installation

1. Insert mains power plug (10).
2. Fill the tank (8) with approx . 2,7 liters of cleaning fluid. The short haired brush area must be completely covered. (Follow the instructions of the cleaning fluid manufacturer and the instruments' manufacturer.)
3. The device is designed to be directly installed in the sink either on the left or on the right. The suction feet (3) on the underside of the device prevent slipping in the sink. The protective plexiglas cover (2) can be inserted either in the front or in the back of the device, dependent on the working direction.

#### 4.2 Operation

**Note:**

After a prolonged standstill of the brushes, e.g. in the event of jammed instruments, turn off the device and/or pull the plug to remove the instruments.

1. Switch the device on using switch (9). (The illuminated switch is easy to operate wearing gloves.)
2. Hold the instruments which need cleaning into the cleaning bath, positioning them between the brushes. The two rotating brushes, one brush including a bristle-less area and one brush with a larger diameter are perfectly suited for pre-cleaning pliers and places which are difficult to access.
3. After cleaning your instruments, use switch (9) to switch off the device. Remove the protective plexiglas cover (2) and put it on the opening. The protective plexiglas cover serves at the same as a lid, preventing outgassing of liquids.
4. When the device is not used for a longer period of time empty it and treat it with stainless steel care products. The device is splash water protected according to DIN 65.



### 4.3 Installation and removal of cleaning brushes

**Note:**

Use appropriate cleaning fluid in compliance with instruments manufacturers' instructions. The cleaning brushes stop spinning on accidental manual intervention or as soon as instruments get stuck in the appliance.

Cleaning brush removal:

1. Pull the mains power plug.
2. Pour out cleaning liquid down the sink.
3. Remove cleaning brush (6) by turning screw marked „L“ (4) to the left. Remove cleaning brush (7) by turning screw marked “R” (5) to the right.
4. Replace the cleaning brushes. Fasten the screw marked „L“ (4) to the threaded insert marked “L” by turning it to the right, in order attach the cleaning brush including a bristle-less area. Fasten the screw marked “R” (5) to the threaded insert marked „R“ by turning it to the left, in order to attach the cleaning brush with extended bristles.
5. Fill the cleaning fluid (see chapter 4.1) into the tank.

**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.

## 5 Troubleshooting

Device doesn't turn on.	a. Check domestic fuses. b. If water penetrates into the housing, immediately switch off the device and pull the power plug. Call customer service!
Irregular rotation speed of cleaning brushes.	The cleaning brushes (6,7) might be insufficiently fixed → Check screw fixation (4,5) and if necessary tighten screws.
Lamp of switch (9) doesn't shine.	Lamp defective → call customer service!

## 6 Maintenance

- Regularly check the appliance for visible damage to the housing, power cord or sensor switch.
- The cleaning and disinfection fluids have to be periodically renewed according to recommended hygienic directives. (Recommendation according to use and degree of contamination every two days or more frequently.)
- Regular sterilization of cleaning brushes according to recommended hygienic directive. The cleaning brushes can be disinfected and sterilized up to 50 times. They can be ordered from your distributor or from REITEL.
- Regular disinfection of the housing according to recommended hygienic directive. Only use chlorine-free cleaning agents..
- Clean the housing regularly with a damp cloth and polish it with the REITEL stainless steel spray.

## 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 fee if repair of the device is rejected and the device is destined to be sent back unrepaired.

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. For further information please contact your local distributor.

## 9 Spare Parts List

Best.-Nr.: Ref.:		Menge Qty.	ME Unit
20300000	Reinigungs-Bürstenset "hart" / set of brushes "hard" (2 pieces)	1	St./pc.
20299000	Reinigungs-Bürstenset "extra hart" / set of brushes "extra hard" (2 pieces)		
E7252600	Plexiglasscheibe (ohne Halter)	1	St./pc.
E7215200	Relais 24 V	1	St./pc.

## 10 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:** Bürstenreinigungsgerät/  
Brush cleaning system for instruments/  
Appareil de nettoyage avec brosses pour instruments

Typenbezeichnung/Type/Type: ROTOCLEAN EASY

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 der Richtlinien 2011/65/EU (RoHS 2) und ERP 2015 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 Directives 2011/65/EU (RoHS 2) and ERP 2015 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 des directives 2011/65/EU (RoHS 2) et ERP 2015 sont respectés.

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

EN 12100:2010	EN 61010-1:2001	EN 45635-1
EN 60204-1:2006	EN 61000-6-1:2007	
EN 60950-1	EN 61000-6-3:2007	

**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  
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49152 Bad Essen

03.11.2016

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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