

Operating Instructions

ERGORET CC

LABORATORY EQUIPMENT IN
STAINLESS STEEL



Dear Customer!

Der ERGORET CC ergonomic workstation, along with the Vario lifting table, reduces lengthy procedures by offering best conditions to minimise strain and tiredness. Potentially detrimental waste, dust, gases and fumes which arise from grinding, glueing devesting, trimming and other operations can be safely extracted (photo shows white unit with Vario lifting table). The ergonomically designed worktop made of quality wood, two drawers for accommodating tools and material as well as a handpiece adapter, several sockets and the front control panel complete the workstation.

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

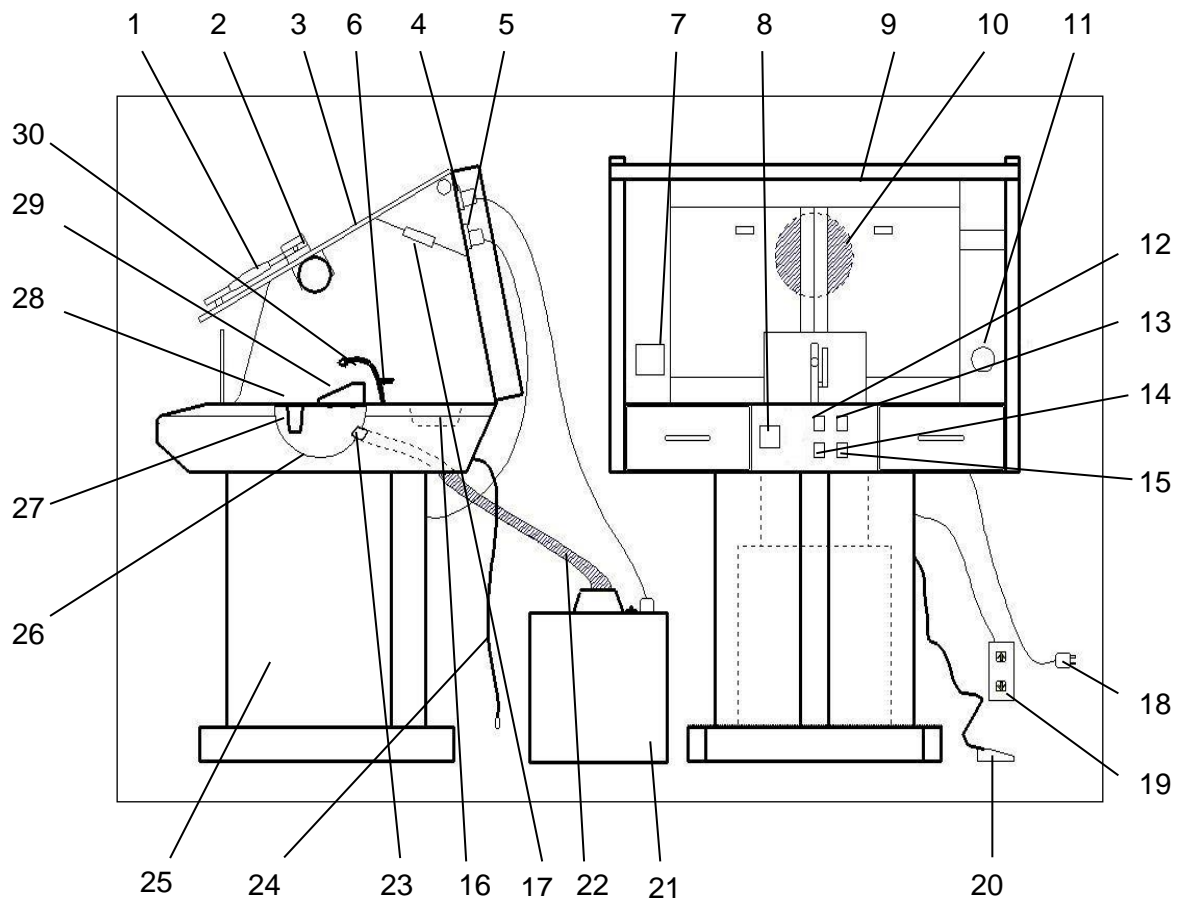
- ERGORET CC benchtop unit, magnifying glass, 4 diopters, internal suction for gases and fumes
if ordered with table:
- ERGORET CC with Vario-lifting table, magnifying glass, 4 diopters, internal suction for gases and fumes

1.2 Special Accessories

- Order-No.: 24800000 Vario-lifting table
- Order-No.: 23206000 Dust protection lamellae

1.3 Device components

- 1 Magnifier with holder
- 2 Lamp
- 3 Glass cover
- 4 Suction socket
- 5 Socket for Vario-lifting table
- 6 Lever for blast nozzle (ball valve with black lever)
- 7 Socket with flap
- 8 Socket with flap
- 9 Filter cover
- 10 Integrated suction, 3 step variable (for gases and fumes)
- 11 Opening for tools and equipment
- 12 Main power switch
- 13 Lamp switch
- 14 Internal suction switch
- 15 Assignable switch (e.g. for external suction)
- 16 Stainless steel tray
- 17 Gas spring for opening the glass cover
- 18 Power cable
- 19 Remote control for Vario-lifting table (option)
- 20 Foot switch
- 21 External suction (for dust, cuttings etc.)
- 22 Suction hose
- 23 Suction port
- 24 Compressed air connector
- 25 Vario-lifting table (option)
- 26 Tray
- 27 Sinter filter
- 28 Tabletop
- 29 Hand vice
- 30 Air blast nozzle



Device views

1.4 Technical Data

Line voltage	230 V/50–60 Hz
Current consumption	120 W
Height/width/depth	670/910/860 mm (upper part)
Variable working height	880-1180 mm with Vario-lifting table
Weight	60 kg (benchtop)+30 kg (Vario-lifting table)
Magnifying glass	4 diopters
Compressed air	max. 8 bar
Sound level	≤ 70 dB(A)
Housing	Stainless steel, wood, wood composite
Order-No.:	14803000 benchtop without Vario-lifting table
	14804000 with Vario lifting table
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:

- Disposal of debris from suction:
 - If you should need to dispose of this product please observe local regulations governing disposal.
 - Replace the filter as soon as finest dust or vapor arise during operation (not for flammable dust without MAK/TRK-value)
 - Empty the filter and the tray as soon as grinding chips and dust arise.

- Using external suction, please observe the manufacturer's instructions.

3 Installation

The equipment delivered is ready for immediate use. The sealed plug can be connected directly to the mains supply 230 V / 16 A. For installation, please refer to chapter 2.

3.1 Installation

1. If the Vario lifting table is included, screw the upper part of the unit onto the Vario lifting table.
2. Connect to power:
 - Insert the suction's plug into socket (4).
 - Insert the Vario lifting table's plug into socket (5).
 - Insert tools'/equipment plugs into sockets (7 or 8).
 - Attach the air hose (24) to the compressed air supply with 2-8 bar.
3. Connect the suction hose (22) to the external suction (if applicable).

3.2 Installation of tools/equipment

1. Feed the cable of the tools/equipment through the opening (11) and connect it with the control unit.
2. Follow the instructions of the tools/equipment manufacturer for further assembly.

4 Operation

4.1 Operating Sequence

1. Turn the main power switch (12) on.
2. Turn on the external suction (21) with switch (15).
3. Turn on upper lamp (2) with switch (13).
4. Turn on the suction (10) with switch (14). With the adjustment knob on the back of the device, you can choose between three extraction levels.
5. Activate the air blast nozzle (30) with the foot switch (20).
6. Use the magnifying glass (1) above the glass cover (3).
The magnifying glass can be moved upwards.
7. Rotate the worktop (28) to the desired position. The sinter filter (27) and the hand vice (29) are arranged opposite each other. Dust is extracted into the filter of the external suction.
8. The lid (3) can be lifted upwards if not needed.
9. After having finished work switch off the device with the main power switch (12).

4.2 Vario-Lifting Table (option)

The solid, motor driven Vario-lifting table raises and lowers the unit to the optimum working height in a standing or sitting posture. It reduces lengthy procedures by offering best conditions to minimise strain and tiredness.

Height-adjustable table stroke 300 mm.

The remote control holder (19) is equipped with a piece of Velcro tape that can be stuck to a smooth and clean surface at the device.

1. Clean the surface (e.g. with spirit). The surface must be free from oil and grease.
2. Peel backing paper from the Velcro tape at the remote control holder and press firmly to the cleaned surface.

Remote control/holder (19) for the Vario-lifting table:

1. Pressing the upper key, the lifting table moves upwards.
2. Pressing the lower key the lifting table moves downwards.

Adjustable working height 880 to 1.180 mm. Lifting capacity 150 kg.

4.3 How to change filters of the integrated suction

1. To open the filter grid put the two shutter sliders down.
2. Fold the filter grid down.
3. Press the ends of the wire bow outwards and take them off the top.
4. Replace the filter.
5. Insert the wire bows and press the ends inwards.
6. To close the filter grid put the two shutter sliders up.

4.4 Lamp replacement

1. Pull the power plug.
2. Remove the screws of the lamp cover.
3. Replace the lamp.
4. Attach the cover to the holder with screw.

5 Troubleshooting

Device doesn't turn on.	a. Check the building's main fuse. b. Check the device fuse. (The fuse holder is located at the power input of the device.)
Insufficient suction power.	Clean or replace filters. Check whether suction is clogged.

6 Maintenance

- Inspect the filters of the suctions regularly.
- The device should be regularly cleaned with a moist cloth.

Note for the Vario Lifting Table

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 lasting, water repellent protective film which helps keep the environment 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 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.

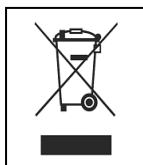
13.

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 Rules for disposal



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

9 Spare Parts List

Ref.	Ergoret-CC without lifting table, Spare parts list	Qty.	Unit
E6284700	Arbeitsplatzmatte, grau, Zuschnitt 864x356mm	1	Stck piece
E6187700	Dichtung Sealing	1	m
E6245410	Erweiterungsset für Arbeitsvorbereitung, mit Feilkloben und Einsatzsieb, Nachrüstung für KFO-Tische	1	Stck piece
E6249110	Feilkloben Buche ohne Absaug-Löcher Filing vice made of beechwood without suction holes	1	Stck piece
E6285500	Fein-Sieb halbrund Edelstahl an Absaugmaul Sieve for suction adapter (for small parts)	1	Stck piece
24806000	Filter, Sinter grob Coarse sintered filter	1	Stck piece
E6285600	Filterhalter für Sieb E62855	1	Stck piece
E6246231	Filtermatte rückwärtige Absaugung Weiß/Blau ab Gerät 336 Filter mat fume suction	1	Stck piece
E6246100	Glas-Spritzschuttscheibe vorne 235*193*6 Glass pane front	1	Stck piece
23206000	Handdurchführung Lamellenschutz (li/re) Reach-through curtain	1	Set
23101001	Kohleaktivfilter für Dampfabsaugung ab Gerät 336 Carbon active filter for suction fan front and back	1	Set
E6248900	Lupenglas - 2fach ohne Halter Two lens glasses without support	1	Stck piece
E6037900	Schalter Selector switch	1	Stck piece
E7340600	Staubplatte Lochblech, für Arbeitsbereich "KFO"	1	Stck piece
E7214200	U-Profil Dichtung U-profile seal	1	m

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: Systemarbeitsplatz/
Ergonomic Working Place/
Poste de Travail

Typenbezeichnung/Type/Type: ERGORET CC

allen einschlägigen Bestimmungen der Maschinenrichtlinie 2006/42/EG 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. 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. 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 60204-1:2006
EN 61010-1:2001

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

06.02.2018

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 13485:2016 incorporating established standards.



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