

Operating Instructions

SANDUBLAST

**LABORATORY EQUIPMENT IN
STAINLESS STEEL**



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Dear Customer!

The SANDUBLAST is a high-performance re-circulation sandblasting unit for fast and economic investment. The nozzle can be fixed at any angle for continuous blasting.

Extremely bright and shadowfree LED lighting ensures that the object being blasted is perfectly illuminated. The nozzle can be fixed at any angle for continuous blasting.

Any other use or use beyond this is deemed improper. For resulting damage the user/operator of this device is solely responsible.

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.

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 Equipment

1.1 Basic Equipment

- SANDUBLAST Recycling sandblaster
- One pair of abrasion resistant gloves, (size 9, medium)
- Tool for hose replacement

1.2 Special Accessories

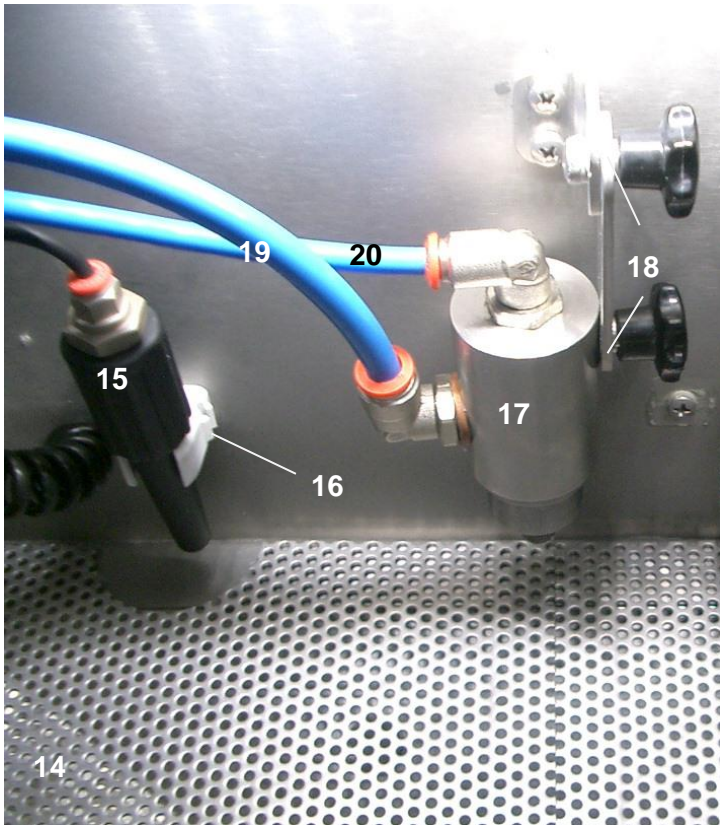
- Order-No.: 12900000 DUSTY MINI
- Order-No.: 17902000 DUSTY COMFORT
- Order-No.: 24604100 one pair of abrasion resistant gloves (size 7, small)
- Order-No.: 24604000 one pair of abrasion resistant gloves (size 9, medium)
- Order-No.: 24604200 one pair of abrasion resistant gloves (size 10, large)

1.3 Operating Elements

- 1 Power switch
- 2 Glass pane
- 3 Protective film (on the glass pane)
- 4 Rubber seal (under the glass pane)
- 5 Suction adapter
- 6 Fuse
- 7 Socket for suction (power supply)
- 8 Compressed air connection
- 9 Carrying handle
- 10 Interior light (LED)
- 11 Screw for glass pane opening
- 12 Leather gauntlets
- 13 Foot switch
- 14 Sand sieve
- 15 Blasting nozzle
- 16 Nozzle holder
- 17 Blasting nozzle
- 18 Angled screws for continuous nozzle adjustment
- 19 Abrasive hose
- 20 Compressed air hose
- 21 Opening in the base tray
- 22 Base tray
- 23 Hose coupling recycling sandblaster
- 24 Power plug
- 25 Connection for foot switch



Device view

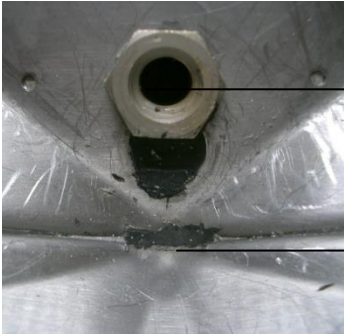


Blasting Chamber



13

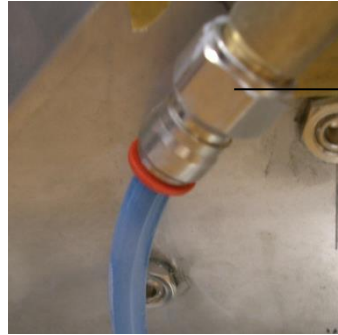
Foot switch



21

22

Base Tray



23

Hose coupling

1.4 Technical Data

Line voltage	230 V/50-60 Hz
Current consumption	100 W
Height/width/depth	360+190/480/440 mm
Weight	13 kg
Air consumption	approx. 80 l/min.
Pressure blaster	max. 6 bar
Sound level	65 dB(A)
Housing	Stainless steel
Made in Germany (Subject to modifications)	
SANDUBLAST lid	
Glass pane	205 mm x 300 mm
Opening	160 mm x 280 mm
SANDUBLAST bottom	
Height x width	301 mm x 410 mm
(incl. inclined front on the left and right side (176 mm))	

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 Notes

Note:

It is prohibited to use fluids and gaseous media. Application only according to manufacturer's instructions.

- Always keep the glass pane closed during operation. Connect the device to an appropriate suction.
- To avoid injury wear abrasion resistant gloves, goggles and a mask.
- The device may only be operated with non-hazardous commercially available powdered abrasives.
- No harmful abrasives, gases or fluids may be used.
- No other gases than compressed air shall be used with the device.
- The blasting jet may only be directed to objects to be cleaned, never at living beings.
- Do not install any dust-sensitive devices near the sandblaster.

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 chapter 2.

3.1 Recycling Sandblaster Installation

1. Establish compressed air connection (3,5–6 bar).
2. Connect the suction as follows:
 - Put the suction's plug in the socket outlet (7),
 - Secure suction tube to adapter (5),
 - Activate the suction.
3. Use the angled screws (18) to fix the blasting nozzle (17) at any angle.
4. Fill the base tray (22) of the recycling sandblaster with a sufficient quantity of abrasive media.

4 Operation

4.1 Chronological run of operation

1. Turn the unit on with the power switch (1).
2. The sandblaster requires air compression. Set the pressure to 6 bar. (Never exceed the max. pressure of 6 bar – danger of bursting hoses).
3. Blasting is initiated with the foot switch (13).
4. Use the jet nozzle (15) to remove residual abrasives from objects.
5. After finishing work turn the unit off with the power switch (1).

5 Troubleshooting

Jet becomes irregular.	<ul style="list-style-type: none">a. Abrasive might be dirty → change abrasive.b. Insufficient quantity of abrasive in the tank → refill abrasive.
Clumped abrasive.	Only use dry abrasive.
Very dusty working area.	<ul style="list-style-type: none">a. Insufficient suction power → Increase suction power.b. Filter bag of the suction is full → if necessary replace filter bag.c. If necessary clean suction → e.g. change motor filter.
LED Lamp (10) doesn't shine.	<ul style="list-style-type: none">a. Unplug power cord, check it and reinsert it.b. Lamp defective → check it and if necessary replace it.
Trouble with footswitch (13).	Check the power cord and connect it properly.

6 Maintenance

- Please check the device regularly for damage. Pay attention to visible damages to the housing, cable or pressure hoses.
- Worn sandblast hoses need replacing. They are not covered by warranty but considered normal wear and tear. Hoses in the interior work area are replaced with standard tools. Worn hoses inside the device have to be replaced by your distributor or REITEL.
- Remove abrasive material in the interior of the unit and clean it regularly. Disconnect the hose coupling at the bottom of the recycling sandblaster (23) and let the abrasive run out through the opening in the base tray (22). Dispose of waste abrasive according to manufacturer's instructions.
- Clean or replace the suction's filter regularly.
- 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 disposed of according to B2B-Regulations for proper disposal. Pls. contact your local dealer for additional information.

9 Spare Parts List

Best.-Nr. Reference	SANDBLAST (46.5) Ersatzteilliste / Spare parts list 03/2019	Stck. Qty.	VE Unit
E7930500	Behälterdeckel farblos Transparent blast chamber cover	1	Stck piece
E7992600	Behälterknopf zum Verschließen Deckel Chamber lid locking knob	1	Stck piece
E6189400	Fußtaster 1-pol. mit Kabel 1,65 m + Kaltgerätestecker Foot switch 1-pole	1	Stck piece
E6230200	Glasscheibe, inkl. Folie und Klebepunkte Glass panel, with protection foil	1	Stck piece
E6230600	Handdurchführung, 2 St. incl. Ledereinsatz für Lochd. 130mm Gauntlets, 2 pcs., made of genuine leather	1	Paar
24604200	Handschuhe für Sandstrahlarbeiten Größe 10 Pair of Gloves for sandblasting units, Size L	1	Paar
24604100	Handschuhe für Sandstrahlarbeiten Größe 7 Pair of Gloves for sandblasting units, Size S	1	Paar
24604000	Handschuhe für Sandstrahlarbeiten Größe 9 Pair of Gloves for sandblasting units, Size M	1	Paar
E6230700	Kunststoff-Schutzfolie, 5 St. Plastic protection foil, 5 pcs.	1	Pack
E7336210	LED Lampe, mit Clips und Endkappe, ohne Trafo LED lamp, incl. Clips and end caps, without transformer	1	Stck piece
20280000	Lupe, mit Saugnapf, D75mm	1	Stck piece
E6202030	O-Ring 65 x 2,5 mm für Behälter (aussen) Sealing 65 x 2,5 mm for chamber (outside)	1	Stck piece
E7854500	O-Ring für Kammerdeckel 65x3,55 Sealing for chamber lid	1	Stck piece
E7336100	Rohr Acryl LED-Schutzrohr mit 1 Endkappe 240mm LED acrylic lamp protection, incl. 1 end cap 240mm	1	Stck piece
E7872900	Rohrclips 12 mm - Halter für Messingrohr im Behälter Tube clips 12 mm - Halter für Strahlgriffel	1	Paar two pcs
E6064800	Schalter mit Lampe grün 2pol. Power switch incl. green lamp (2 poles)	1	Stck piece
E6074310	Schlauch, H-PU-8/6 blau	1	m m
E7049500	Sicherung 10 Amp. Fuse 10 Amp.	1	Stck piece
E6283400	Strahldüse Umlaufstrahl, Trichterdüse mit Trennung an Madenschraube	1	Stck piece
E7299000	Umlaufstrahldüse komplett (Mischkammer mit Düsen) Mixing chamber with nozzles (assy)	1	Stck piece
E6207810	Ventil 2/2-nw4-24VAC (für Umlaufstrahl)	1	Stck piece

10 EU DIRECTIVE

EU DIRECTIVE

EU-Konformitätserklärung EC Conformity Declaration CE-Déclaration de Conformité

im Sinne der Niederspannungs-Richtlinie 2014/35/EU (Anhang III B)
according to Low Voltage Directive 2014/35/EU (Appendix III B)
au sens de la Directive Basse Tension 2014/35/EU (Annexes III B)

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 das Gerät in dem Zustand, in dem es 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 unauthorized 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 nachstehend beschriebenes Gerät/**We hereby declare** that the machine described below/
Nous déclarons que la machine ci-dessous

Produktbezeichnung/Product name/Nom du produit: Umlauf- und Mikrofeinstrahler/
Combined sandblaster unit/
Sableuse Rotative et Micro-Sableuse

Typenbezeichnung/Type/Type: SANDUBLAST

allen einschlägigen Bestimmungen der Richtlinie 2014/35/EU sowie 2011/65/EU (RoHS 2) entspricht.
is in conformity with all applicable requirements of the Directive 2014/35/EC as well as 2011/65/EC (RoHS 2).
est conforme aux dispositions applicables de la Directive 2014/35/CE ainsi que 2011/65/CE (RoHS 2).

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

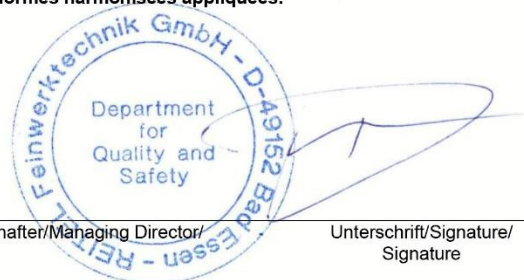
DIN EN 61010-1:2020

11.02.2021

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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