



jo|ke

Oberflächentechnik
Surface Technology

Instruction manual
Deburring box JK15
Order no.: 0 200 896

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Tips on using the manual**2**

This manual has been written for the device user to ensure a problemfree operation, care and maintenance. Important instructions and information concerning safety and operational reliability have been highlighted.

The symbols used in the manual have the following meanings:



Working and operating processes which must be observed to the letter to avoid any damage to the device or to exclude any risk to persons.



Technical information to which the device operator must give special attention.

The illustrations and diagrams are numbered in sequence within each chapter. Some of these illustrations have keys. References to illustrations within the text e. g. (5.1/2) have the following meaning:

- 5.1 = Figure 5.1
- 2 = Position 2 in the key to the figure.

Please feel free to call our customer service department at any time should you encounter technical problems which are not dealt with in this manual:

Telephone	0 22 04 / 8 39 - 0
Telefax	0 22 04 / 8 39 - 60
Web	www.joke.de

Safety instructions

This device has been built according to the latest technical standards and generally accepted safety regulations. Nevertheless, it can constitute danger to life and limb for operator or third parties and a hazard to the device itself or other equipment during use.

1. Only use the device if in perfect working order and for its intended purpose. You must always pay attention to the instruction manual and safety instructions therein and be aware of the risks! Repair any faults which could affect the device's safety immediately by yourself or have these repaired.

The device is designed for use with dust collector and compressed air. Any other use will be deemed to be contrary to its intended purpose. The manufacturer cannot be held liable for any resulting damages. The risk is borne solely by the user.

Correct use also includes compliance with the instruction manual and observation of the care and maintenance conditions.

2. Keep the instruction manual handy at the device's place of use.
3. Pay attention to and observe generally applicable statutory and otherwise binding regulations relating to accident prevention and environmental protection in addition to the information provided in the instruction manual!
4. All personnel commissioned to work on or with the device must have read this instruction manual, and particularly the safety instructions chapter, before starting work. This applies especially for personnel who only work with the device occasionally.
5. Stop the device immediately should you notice changes to the device or its operating behaviour that are relevant to its safety. Have these remedied by suitable specialists before restarting work.
6. Do not carry out yourself or have carried out any modifications, additions or conversions to the device! This also applies to the installation and adjustment of safety equipment.
7. Spare parts must meet the technical requirements specified by the manufacturer. This can only be guaranteed with original joke spare parts.
8. Any work on/with the device may only be carried out by qualified, appropriately trained and authorised personnel. Pay attention to minimum statutory age limits!
9. Wear safety goggles when working with the handpiece.
10. Personnel undergoing training or in a general apprenticeship should only be allowed to work with the machine under the constant supervision of an experienced operator!
11. Restrain from any type of work that could jeopardise your safety.
12. The device may only be used if all protective and safety equipment is in place and in proper working order.
13. Do not leave the device unattended when switched on!
14. Stop and secure the device immediately in the event of malfunctions! Faults must be remedied at once by suitable specialists!
15. Always wear proper eye and face protection. Wear safety glasses or face shields whenever you operate a joke or any power tool to prevent serious eye or face injuries.

16. Do not wear loose fitting clothing or jewelry. Loose clothing or jewelry can become entangled in the rotating accessory. Do not wear items such as neckties, necklaces, or bracelets when operating power tools. Be sure to tie back or secure long hair.
17. Never operate any accessory at speeds above its maximum rated speed. When properly used, all of joke Entgratbox dom's accessories can be operated at the speed ratings listed in the joke Accessory Catalog or specified on kits and packages. Always find out the manufacturer's speed rating before using accessories other than those from Freedom.
18. Always disconnect the power cord before servicing the unit.
19. Never operate your unit during a perceptible power decrease. Turn the machine off and do not use it until power is fully restored.
20. Always use a proper dust collection system or wear a respirator to prevent the inhalation of dust particles, or other debris into the lungs.
21. Use proper grounding procedures. This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved 3-conductor cord and a 3-prong grounding type plug to fit the proper grounding receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug that looks like sketch A below. An adapter (sketches B and C) can be used for connecting plugs as shown in sketch A to 2-prong receptacles. The green colored rigid ear, lug, etc., extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box. Some jurisdictions, including Canada, prohibit the use of 3 to 2 prong adapters. Where prohibited, they should not be used. Use only 3-wire extension cords that have 3-prong grounding type plugs and 3-pole receptacles that accept the tool's plug. Always disconnect the power cord before servicing the tool. Never use in an area where flammable vapors are present.



Store your power tools in a dry, clean, dust-free area, and out of the reach of children.

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Technical data:

Deburring box JK 15	Order no. 0 200 896
Air nozzle	Air flow and position adjustable
Air inlet	Ø 4 / 6 mm, rear
Magnifier	2.5-x Ø 125 mm / 10x Ø 25 mm
Exhaust air connector	Ø 57 mm, rear
Dimensions (W x D x H)	270 x 250 x 290 mm
Supply voltage	230 V, 50/60 Hz
Weight	5 kg

5 Warranty/Identification/ Assembly

joke warrant the correct manufacture of every joke Technology GmbH product which is delivered in accordance with the terms of contract and delivery.

This warranty does not cover damages caused by normal wear and tear, incorrect handling, negligent use, the fitting of non-original spare parts, inadequate care and/or a failure to comply with this technical manual.



The device may only be used by appropriately trained personnel. If it is not, all warranty claims will be forfeited according to the terms of delivery.

Device identification

The manufacturer's code and type code, CE label and series number can be found on the rear of the control units or in the case of the handpieces on the handle sleeve.

Disposal

This product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.



joke's Lighted Work Chamber is designed for use and works best when connected to a dust collector and compressed air line.

Packing List

- work chamber with interior LED light
- compressed air nozzle
- magnifier, removable watertight tray
- 6 mm to 4 mm Coupling
- elbow fitting
- cord set

Assembly

1. Using the black handle, remove the unit and power cord set from the box.
2. Remove packing materials from polycarbonate shields and magnifier.
3. Check the tray to be sure that it is seated properly in the bottom of the chamber.
4. Insert the female plug end of power cord into receptacle on the back of chamber and then the male plug end into a power outlet. The plug receptacle includes a spare fuse, see instructions for replacement on back side.
5. Using a 2-1/4" hose, connect the chamber to a dust collector, shop vacuum or other dust collection device. Hose does NOT come supplied.
6. Connect your air source to the air inlet on the back of the chamber. The inlet uses 4mm tubing, however, a 6mm to 4mm coupling also comes supplied with the unit. Other sizes of quick connect couplings are readily available separately to match your specific air system.
7. If your dust collector has a remote on/off switch with a 2-pin style plug, connect it to the remote port on the back of the chamber. When the remote connection is in use, the power button on the front of the Chamber can activate both the LED light and a separate dust collector.

Use

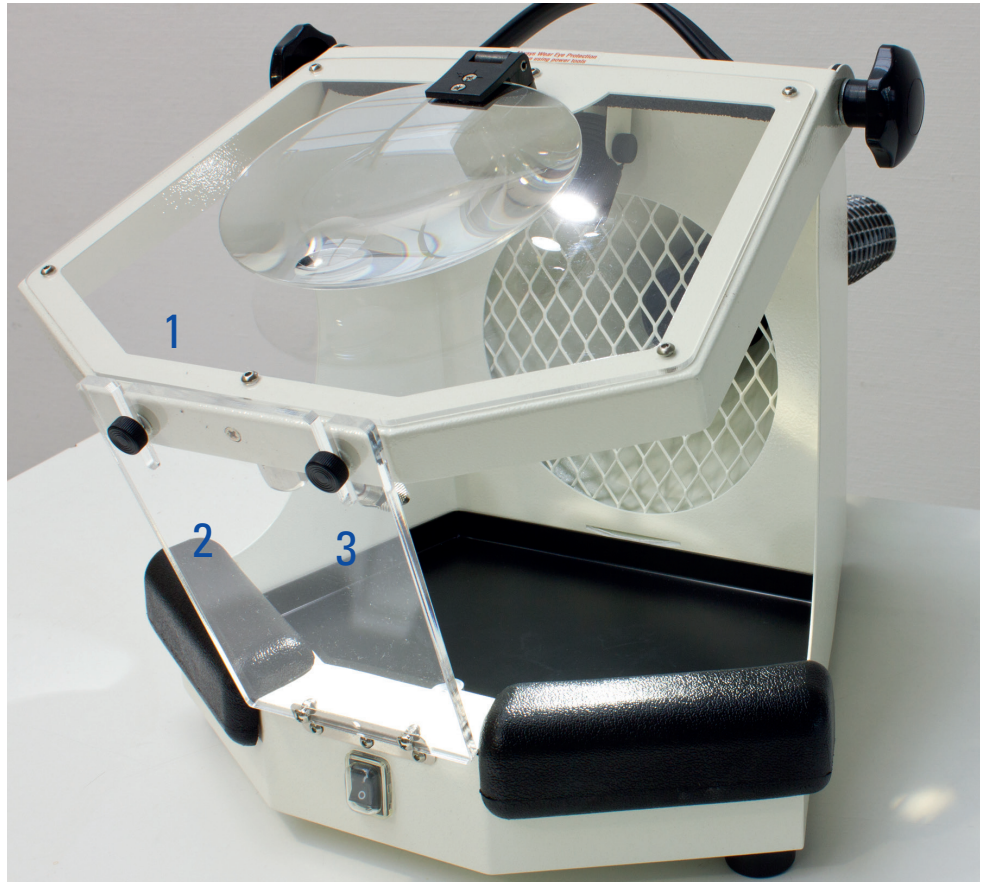


Fig. 6.1



Fig. 6.2



Fig. 6.3

- 1 top shield
- 2 front shield
- 3 turn screws to lift top shield out of channels
- 4 air nozzle
- 5 2-¼" hose connector
- 6 power cord receptacle and fuse compartment
- 7 2-pin style receptacle for dust collector remote switch
- 8 air inlet with 6 mm to 4 mm coupling attached



The compact, semi-closed unit is designed for deburring, polishing and grinding work tasks on small workpieces. The deburring box is used among modellers and mould builders, jewellers, dental technicians, laboratory technicians, etc., etc...

The Lighted Work Chamber illuminated by a pivotable LED light has a variable-air-volume compressed air nozzle, which is adjustable by means of a ball joint. The air nozzle ensures that dust and dirt are directed away from the workpiece towards the suction nozzle.

The unit has a connection for 4-mm compressed-air lines and a 4 mm to 6 mm adapter is also included in the scope of delivery.

At the rear, a suction unit can be connected to the exhaust air connector (Ø 57 mm) via a hose (refer to suction units in the joke main catalogue).

The polycarbonate shields can be folded open for easy cleaning of the box. The system is rounded off by the folding magnifier, a removable collecting tray and the padded armrests.

Features

- Light: Built-in LED light tilts up and down allowing user to focus light where needed. The switch on the front of the chamber turns on the light and can activate a separate dust collector.
- Magnifier: A 2-1/2x Magnifier with 10x insert window enlarges viewing of your work. It can be flipped up and out of the way when not needed.
- Shields: The top and front shields help to contain dust. We suggest keeping both in position. If better access into the chamber is needed, the narrow front shield can be lowered out of the way. Loosen the two black screws and slide the top shield up and out of the channel to release its hold on the front shield. Retighten screws.
- Compressed air nozzle: The nozzle blows air on the workpiece, funneling dust and shavings away and through the back of the chamber into a dust collector.
The nozzle's ball and socket joint pivots directing air flow to where you want it. The force of the air blowing on the workpiece can also be adjusted by turning the nozzle to a more open or closed position.

Maximum amount of compressed air that can be used is 90 PSI or 6 bars.

- Tray: The watertight tray is easy to remove for cleaning.
- Arm Rests: Padded arm rests offer comfort and support while working.
- Fuse: The chamber has a Bussman GMC-1A fuse that powers the light. The fuse and a spare fuse are stored in the AC power cord receptacle in the rear of the chamber.
- To check or change the fuse, follow these directions:
Remove the power cord from the AC receptacle to expose the fuse holder drawer.
Use the blade of a small screwdriver in the slot of the fuse holder and gently pry outward.
The active fuse is in the back of the drawer and a spare fuse is in the front compartment. If the glass case of the active fuse is darkened, the fuse is blown. From the underside of the drawer, push out the blown fuse using a small screwdriver.



Do not use a higher ampere fuse.



Brilliant solutions for perfect surfaces.

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