

Operation Manual

Duplex Grinding Machine

62852



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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Even though, the WilTec Wildanger Technik GmbH has undergone the utmost effort to ensure that this operation manual is complete, faultless, and up to date, mistakes cannot be entirely avoided. We are looking forward to hearing from you in case of you finding any mistakes or wishing to submit suggestions for improvement.

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To return orders for exchange, repair, or other purposes, please use the following address. Attention! In order to allow for a smooth processing of your complaint or return, it is important to contact our customer service team before returning the goods.

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Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this product. Please read this operation manual carefully and make sure you have understood its content.**

Always keep this operation manual safe and accessible.

Bench grinders are used for deburring, grinding, and sharpening workpieces made of steel and steel alloys. This device may only be used as intended and only in accordance with the technical data and safety instructions. No responsibility is assumed for damage caused by failure to observe the safety method or improper use.

Caution! Risk of injury!

- Never bring your hands near the grinding wheels.
- Rotating grinding wheels and improper guidance can pose a risk of injury to fingers and hands.
- Despite compliance with all relevant regulations, residual dangers may exist during use, for example due to
 - parts of the workpiece ejected,
 - parts of a tool ejected (if a tool is damaged),
 - noise development,
 - Dust release.

Requirements for the operator

- The operator must have carefully read and understood the operating instructions before using the device.
- The device may only be operated by persons over the age of 16. An exception is the use by young people if the use takes place within a vocational training course to achieve a skill under the supervision of an instructor.
- The use of the device requires appropriate instruction by a competent person or the operating instructions.
- The operator is responsible to third parties for accidents or hazards.

Safety instructions

General safety instructions

- Always disconnect the device from the power supply before starting work on it.
- Wear appropriate protective equipment (safety glasses, protective gloves, hearing protection, respiratory protection, etc.).
- Do not reach into the device.
- Protect the device from moisture and frost. Do not expose it to rain.
- Wear appropriate clothing. Avoid wearing loose clothing and jewellery, and securely tie long hair together.
- The device is not suitable for wet grinding.
- Keep children and bystanders away while using the device (min. 5 m distance).
- Watch out for parts that could be thrown away.

General safety instructions concerning electric tools

Warning!

- **Read all safety warnings and instructions.** Failure to follow the safety instructions and instructions can result in electric shock, fire, and/or serious injury.



- **Keep all safety information and instructions for the future.** The term “power tool” used in the safety instructions relates to mains-operated electric tools (with a mains cable) and battery-operated electric tools (without a cable).

Work area safety

- Always keep your working area clean and well-lit. Cluttered or insufficiently lit working areas increase the risk of accident.
- Do not operate the device in explosive environments or near flammable substances, liquids, gases, or dusts. The use of this device may create sparks that could potentially ignite gases or dust.
- Keep bystanders away from the working area while operating the device as distractions may lead to a loss of control.

Electric safety

- The power plug must not be modified. Do not use adapter plugs with earthed power tools.
- Avoid physical contact with earthed objects and surfaces such as pipes, stoves, or refrigerators. An earthed body increases the risk of electric shock, when working with a power tool.
- Do not expose the electric devices to rain or moisture. Water penetrating an electric device increases the risk of electric shock.
- Do not pull at the power cord of the device and do not abuse it to lift, carry, or hold the device. Do not expose the power cord to heat, oil, sharp edges, or moving parts and make sure that it is not bent or pinched. Damaged or entangled cables greatly increase the risk of electric shock.
- When using the device outside, make sure to use an appropriate extension cord suitable for outdoor use to decrease the risk of electric shock.
- If the use of the device within an environment with high moisture levels cannot be avoided, make sure to equip it with a fault-current circuit breaker to decrease the risk of electric shock.

Personal safety

- Be attentive, give your full attention to what you are doing, and always work carefully and with foresight. Do not use a power tool if you are tired or under the influence of alcohol, drugs, or medicine. A moment of inattention while using the power tool can result in serious injury.
- Wear personal protective equipment and always protective goggles. Wearing personal protective equipment such as a dust mask, non-slip safety shoes, a protective helmet, or hearing protection reduces the risk of injury depending on the type and use of the power tool.
- Avoid unintentional starting. Make sure that the power tool is turned off before plugging in, picking up, or carrying. Accidents can occur if you have your finger on the switch while carrying the power tool or if you connect the device to the power supply when it is switched on.
- Remove all adjustment tools or wrenches before switching on the power tool. A tool in a rotating part of the device can lead to injuries.
- Avoid any unnatural posture. Make sure to stand securely and to always keep your balance. This gives you better control of the power tool in unexpected situations.
- If a dust extractor or collector can be fitted, make sure that it is connected and used properly. The use of an extraction system can reduce the risk of dust.

Safety of power tool use and care

- Do not overload the device. Use the appropriate power tool for your work. With the right power tool in the specified performance range, you will work better and more safely.
- Do not use a power tool with a defective switch. A power tool that can no longer be switched on or off at the switch is dangerous and must be repaired.
- Disconnect the power plug from the power supply before making settings on the device, changing accessories, or storing the device. This precaution prevents the power tool from starting accidentally.
- Keep unused power tools out of children’s reach. Do not allow people to use the device who are not familiar with it or who have not read these instructions. Power tools are dangerous when used by inexperienced people.



- Maintain power tools with care. Check if moving parts are working properly and are not jamming and if parts are broken or damaged so that the function of the power tool is impaired. Have damaged parts repaired before using the device. The cause of many accidents involving power tools is poor maintenance.
- Keep cutting tools sharp and clean. Carefully maintained cutting tools with sharp cutting edges are less likely to jam and are easier to guide.
- Use the power tool, accessories, tool bits etc. in accordance with these instructions. Consider the working conditions and the work to be performed. The use of power tools for purposes other than those for which they were intended can lead to dangerous situations.

Tool specific safety instructions

Caution! Operation is only permitted with a residual current circuit breaker (max. Residual current 30 mA). The device must be connected to a 230 V socket with a 16 A fuse.

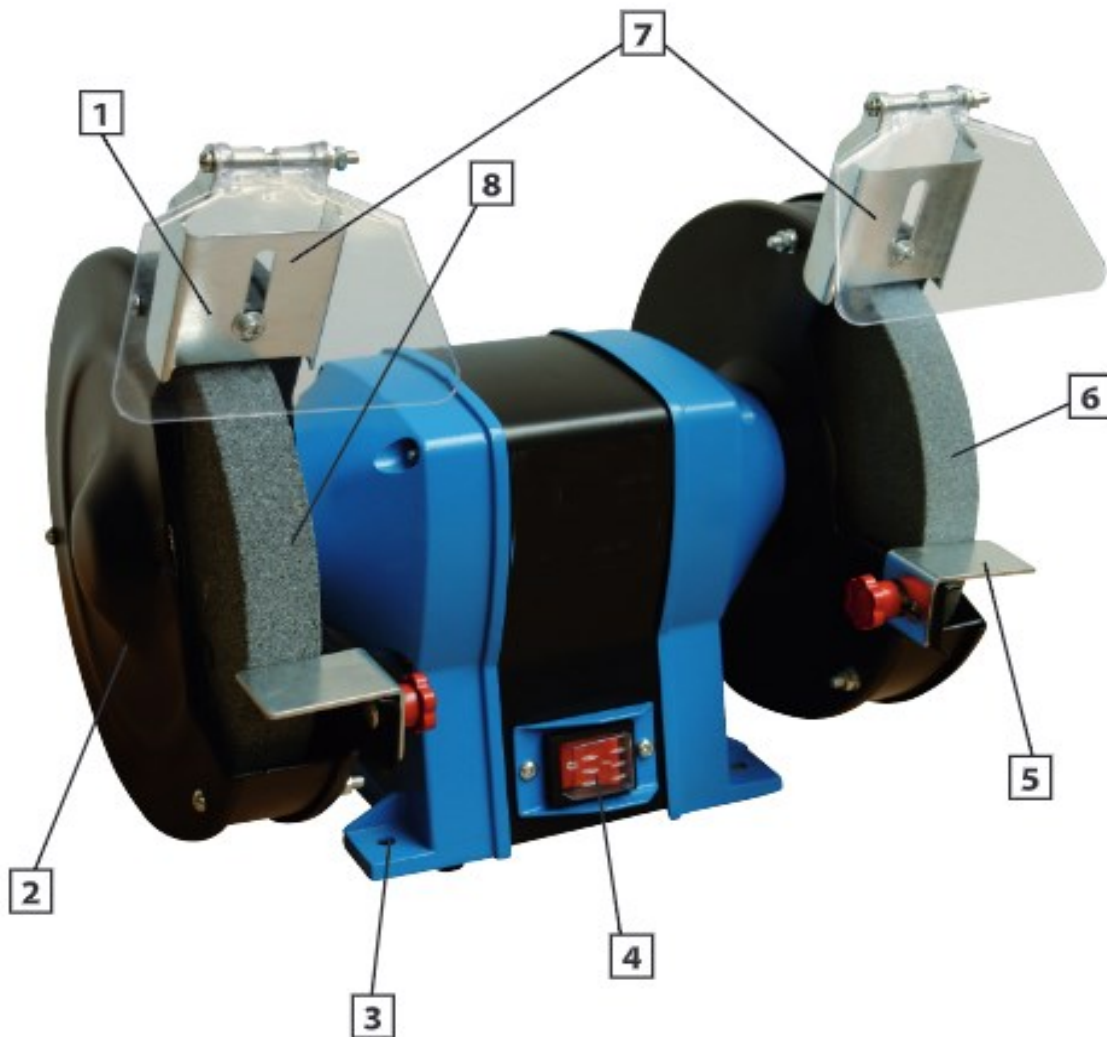
Warning! Dust generated during work is often harmful to health and should not get into the body. If possible, use a dust extractor and wear a suitable dust mask. Thoroughly remove deposited dust.

- During operation, the machine must stand or be fixed on a horizontal, level surface (e.g., on a workbench).
- Turn off the machine while it is unattended and disconnect it from the power supply.
- Before each start-up, check all screw and plug connections as well as protective devices for firm and correct seating and all moving parts for ease of movement.
- It is strictly forbidden to dismantle or change the protective devices on the machine, to use them for purposes other than those intended, or to attach third-party protective devices.
- The device must not be used if it is damaged or the safety devices are defective. Replace worn and damaged parts.
- Faults in the machine including the protective device or the grinding wheel must be reported to the person responsible for safety as soon as they are detected.
- Before each use, check the device, connection cable, extension cable, and plug for damage and wear. Have damaged parts repaired only by a specialist.
- Before operating the on/off switch, make sure that the grinding wheel is correctly mounted. To work safely, use equipment such as tool supports, lenses, workpiece holders, etc.
- It is strictly forbidden to remove chips and splinters while the machine is running.
- Do not use worn, damaged, or deformed grinding wheels.
- Select a grinding wheel suitable for the workpiece to be machined.
- Grinding wheels not corresponding to the technical data in these operating instructions must not be used.
- The maximum speed indicated on the grinding wheel must be observed.
- To reduce the risk of fire, read and follow safe procedures for cleaning, maintaining, and removing chips and dust on a regular basis.
- Make sure that the flanges used are suitable for the purpose and correspond to the size specified by the manufacturer.
- Switch off the machine immediately if something jams. Disconnect the device from the power supply and remove the jammed workpiece.
- Regularly check the setting of the spark arrester and readjust it according to the grinding wheel wear. Keep the distance between the spark arrester and the grinding wheel as small as possible (no greater than 2 cm).
- Regularly check the setting of the workpiece support and readjust it depending on the wear of the grinding wheel.
- Do not grind with a cold grinding wheel. Let the grinding wheel idle for 1 min before starting work.
- Do not grind with the side surfaces of the grinding wheel, only grind with its face.
- Do not apply coolant directly to the grinding wheel. Coolant can impair the bond strength of the grinding wheel and thus lead to its failure.
- Only level the grinding wheel on the front side.
- Grinding creates heat. Do not touch the workpiece until it has cooled down sufficiently.

Important note!

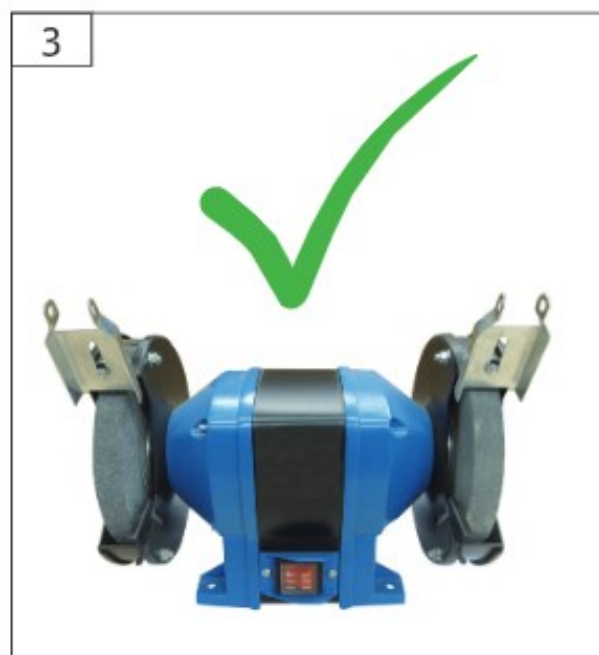
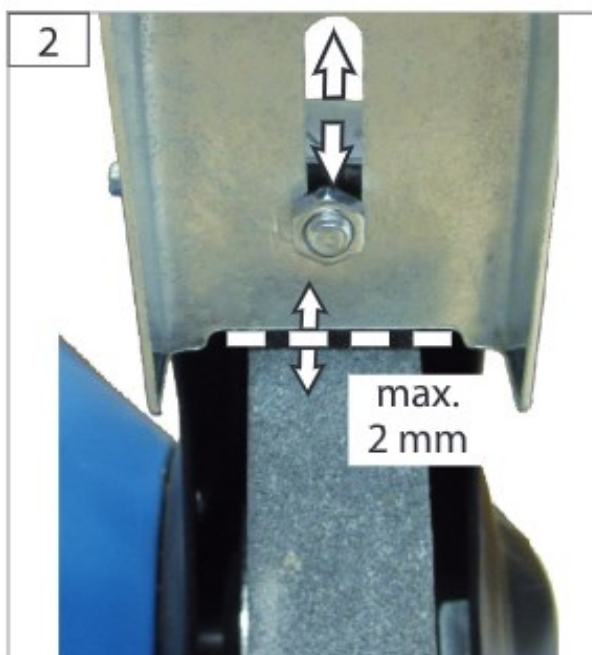
- If the motor is overloaded, it switches itself off. After a cooling-down period (different in time), the motor can be switched on again.
- Hold the workpieces to be processed with a tool holder (e.g., pliers) to avoid injuries.

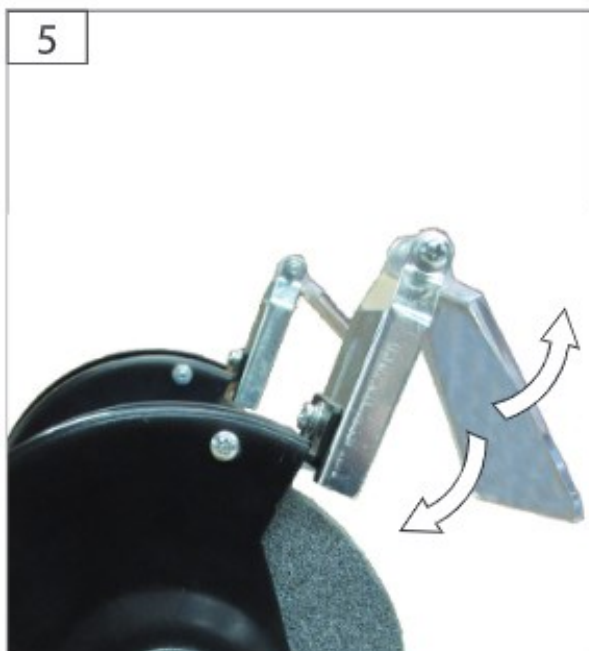
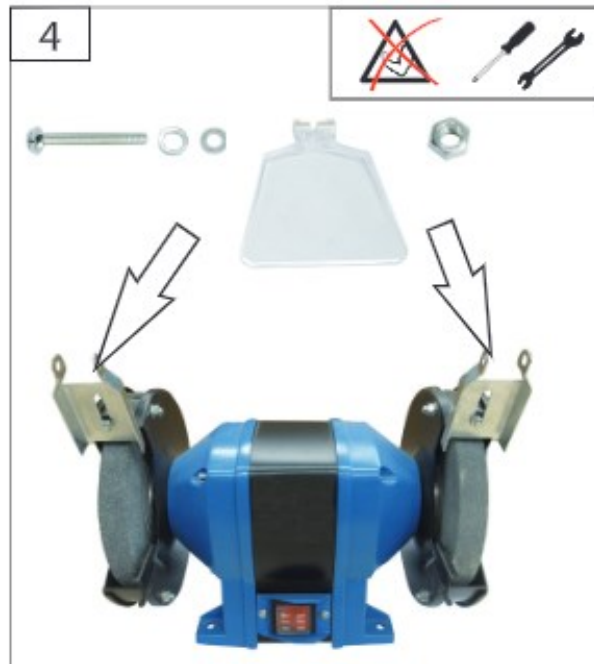
Main components

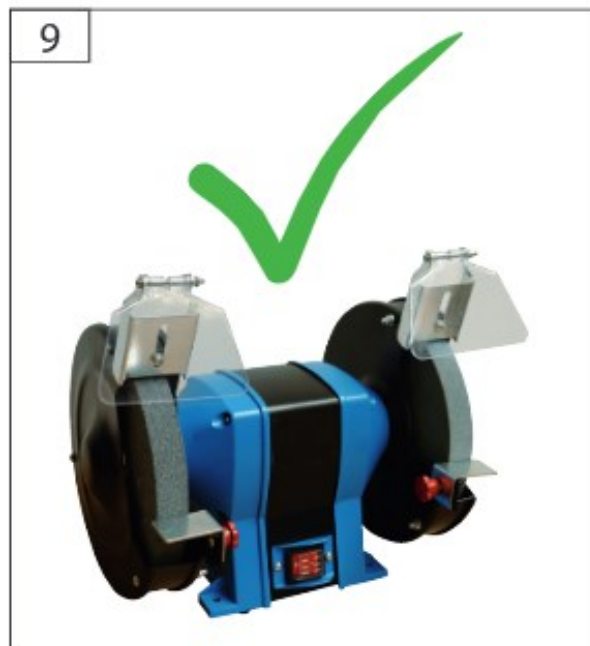
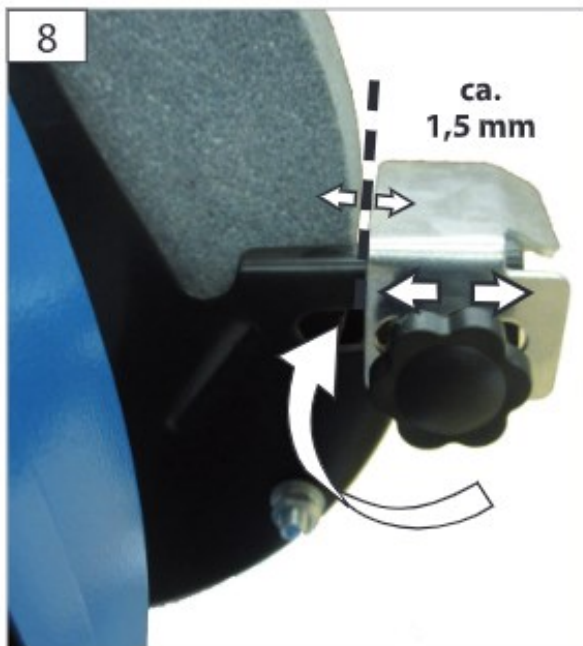


Nº	Name	Nº	Name
1	Protective screen	5	Workpiece support
2	Abrasive wheel cover	6	Abrasive wheel
3	Hole for work bench installation	7	Spark protection cover
4	On/off switch	8	Abrasive wheel

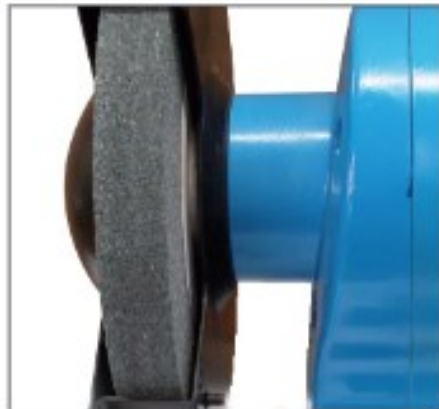
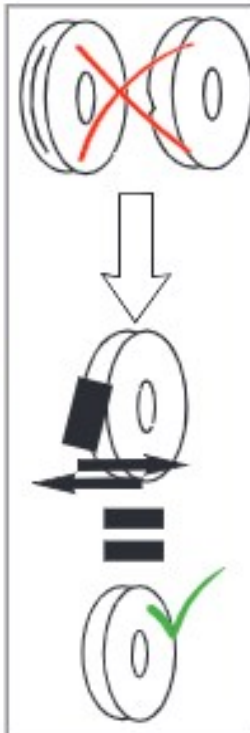
Assembly



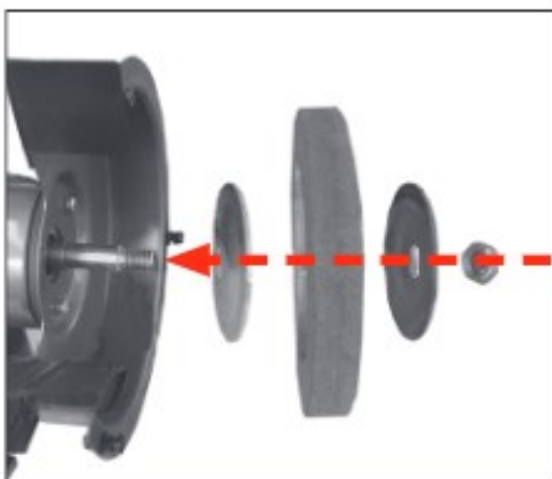
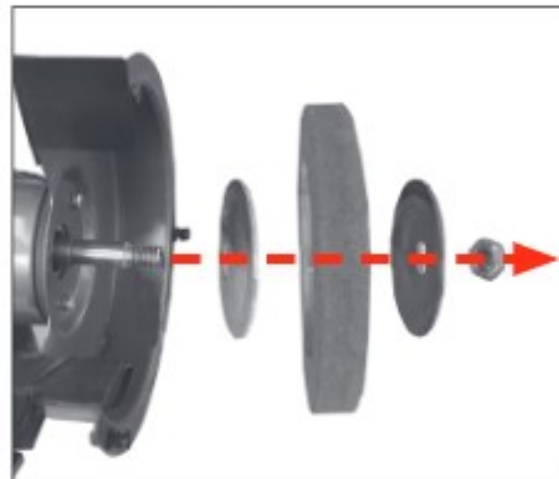
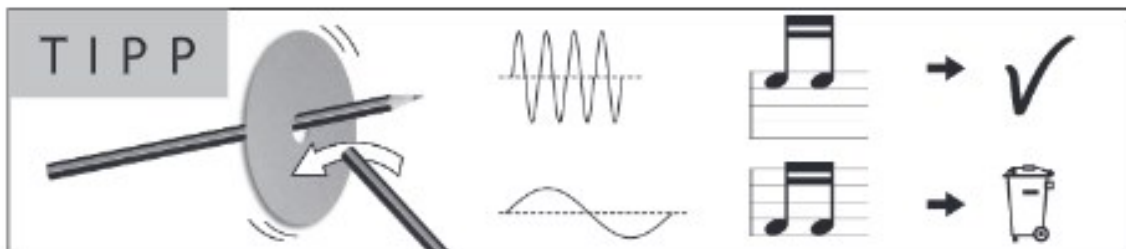




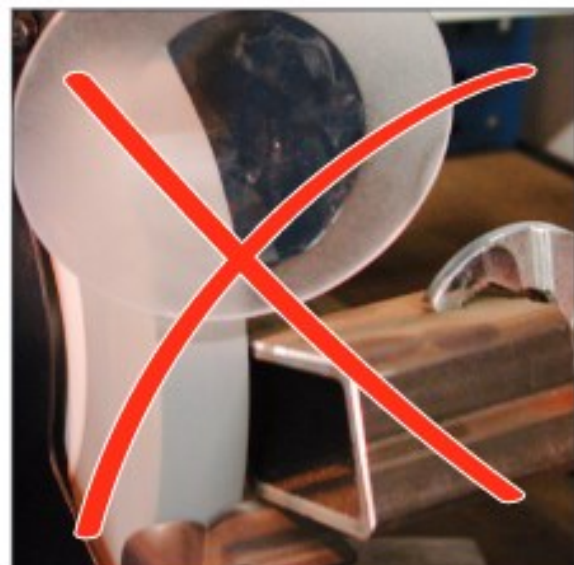
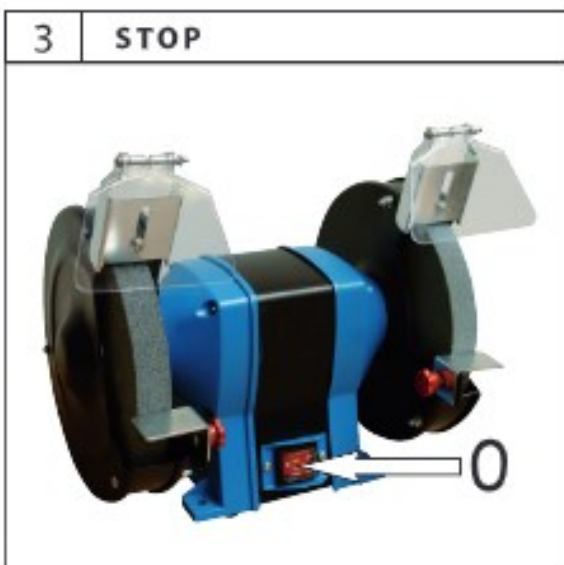
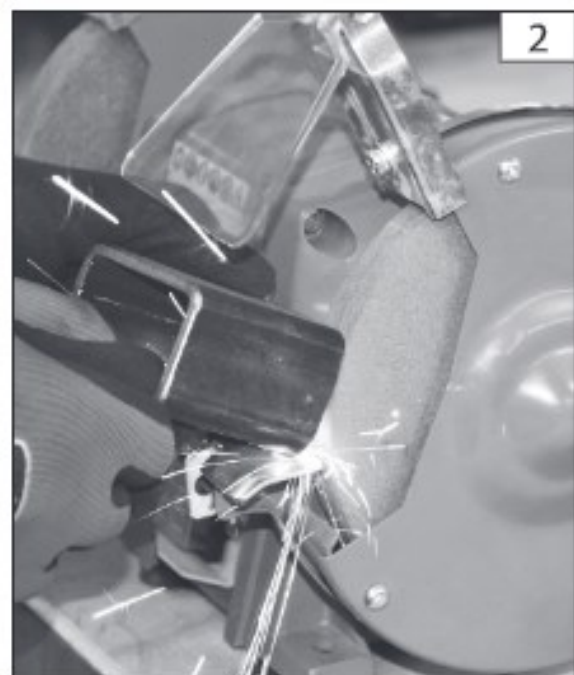
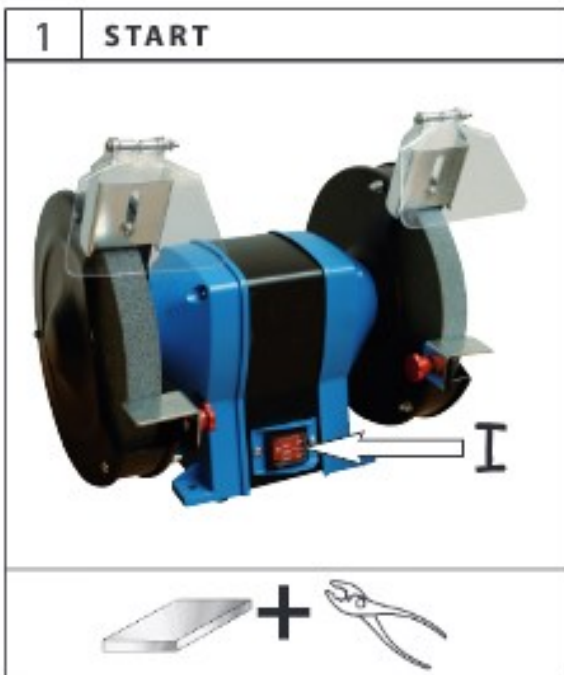
Levelling



Changing grinding wheel



Operation





Maintenance

Attention! Make sure the device has been turned off and disconnect it from its power source before performing any kind of maintenance.

Warning! Do not use this device if it or any of its parts are worn-out or damaged.

- Repairs and in-depths maintenance work may only be performed by qualified personnel.
- Always keep the machine and especially its ventilation slots clean and ensure they are unobstructed. The sawdust ejection and/or dust exhaust should be cleaned at regular intervals. Do not use water or any other kind of liquid to clean this device.
- Only use original accessories and spare parts.
- Only a regularly maintained and well-treated appliance can serve as a safe and efficient aid. Insufficient maintenance and care can affect the performance of the device lead to unforeseen accidents or injuries.
- Never clean the machine and its components with solvents, flammable, or toxic liquids and only use a damp cloth.
- Use environmentally friendly oil to lubricate moving parts of the device on a regular basis.

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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