

User's manual

Random Orbit Sander

62548



Illustration similar, may vary depending on model

Please read and follow the operating instructions and safety information prior to initial operation.

Technical changes reserved!

Illustrations, functional steps, and technical data may deviate insignificantly due to continuous further developments.

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Introduction

Thank you for choosing to purchase this quality product. To minimise the risk of injury, we ask you to always take some basic safety precautions when using this product. Please read this operating manual carefully and make sure that you understand it. Keep these operation instructions in a safe place.

Safety instructions

Warning! Read all safety precautions and instructions. Failure to obey the safety precautions and instructions might cause an electric shock, a fire, and/or severe injuries. Keep all safety precautions and instructions for future use.

Safety in your working area

- Keep your working area proper and tidy. A cluttered and poorly lit workplace increases the risk of accidents.
- Do not use the device in explosive zones, e.g., near flammable liquids, gases, or dusts. Electric devices generate sparks that can ignite these substances.
- Keep children and other persons away from your work areas while using an electric device. Distractions can lead to loss of control of the device.

Safety and electricity

- The plug must match the socket. The device must not be modified in any way. Do not use adaptors together with earthed devices. An unmodified plug and a matching socket reduce the risk of electric shock.
- Avoid touching earthed surfaces such as pipes, radiators, stoves, and refrigerators. With your body being earthed, the risk of electric shock is increased.
- Do not expose the device to moisture or rain. Water penetrating an electric device increases the risk of electric shock.
- Do not use the cable to carry or hang up the device or to unplug the plug. Keep the cable away from heat, oil, sharp edges, or moving parts of the device. Damaged or tangled cables increase the risk of electric shock.
- If using the device outdoors, only use an extension cord approved for outdoor use. Using such an extension cord reduces the risk of electric shock.

Personal safety

- Fully concentrate on what you are doing and work advisedly. Do not use the device when being tired or under the influence of alcohol, drugs, or medicine. Even a short moment of inattention during the use of this device might cause severe accidents and injuries.
- Wear personal protective equipment and always protective goggles, a dust mask, and anti-skid safety shoes. Furthermore, a hard hat or hearing protection reduces the risk of injuries, depending on the type and application of the device.
- Avoid unintentional starting. Make sure that the switch is in the off position before plugging the plug in. Carrying the device with your finger resting on the on/off switch or plugging the plug in with the device being switched on can lead to accidents.
- Remove all adjustment keys and wrenches before switching the device on. Any tool or wrench being fixed at a rotating component of the device can lead to injuries.
- Do not stoop down too far. Stand safely and always keep your balance. Thus, you will be able to control the device better if anything unforeseen happens.
- Wear suitable clothing. Do not wear loose clothing or jewellery. Keep hair, clothing, and gloves away from moving parts. Loose clothing, jewellery, or long hair might get caught by moving parts.



- If a dust extraction and absorption unit can be connected to the device, make sure that such a unit is properly connected and used. Using such a unit reduces the dangers caused by dust.

Careful use and handling of electric devices

- Do not overcharge the device. Use the appropriate electric device for the work to do. Any electric device will work better and with more safety if used within its performance range.
- Do not use any electric device whose switch is damaged. Any electric device that cannot be switched on and off with the help of the switch is dangerous and must be repaired.
- Unplug the plug before making any adjustments, before changing accessories, or before putting the device aside. This prevention measure avoids accidental starting of the device.
- Always keep electric devices out of children's reach. Never allow anyone not familiarised with the use of the device or not having read this instruction manual to use the device. Electric devices are dangerous if used by untrained persons.
- Maintain the device with care. Check all moving parts to know if they work properly and do not jam, if parts are broken or damaged to such an extent that the device cannot work properly any more. Have damaged parts immediately repaired before re-using the device. Many accidents are caused by poorly maintained electric devices.
- Keep cutting tools sharp and clean. Cutting tools maintained with care, having sharp cutting edges, tend less to jamming and are easier to control.
- Only use electric devices, accessories, tools, etc. according to these instructions and to the proper use of this type of device. Consider also the working conditions and the work to be performed. Using any electric device for another application than the one that it is designed for can become dangerous.

Maintaining and repairing

Only have the device repaired by a qualified person and only with original spare parts. Thus, the safety of the device is most probable to persist.

Special safety instructions

- Do not work on any material that contains asbestos. Asbestos is known to cause cancer.
- This device is meant to dry-sand wood, plastic, metal, painter's filling, and varnished surfaces.
- Devices that can be adjusted electronically can also be used for polishing.
- The use of the device will only be safe if you will have read the user's manual and all safety instructions and will strictly obey all instructions contained therein. Furthermore, you will have to respect the general safety instructions. Before commissioning the device, have yourself instructed.
- If during work the cable is damaged or cut, do not touch the cable, but unplug the plug immediately. Never use the device with the cable being damaged.
- Device used outdoors can only be connected via an earth leakage circuit breaker with a max. triggering current of 30 mA. Only use extension cables designed for outdoor use.
- Wear protective goggles. It is also advisable to wear protective gloves.
- Always guide the cable so that it is behind the device.
- Only plug the plug in if the device is switched off.
- During use, hold the device firmly and keep a secure footing.
- With metal being grinded, flying sparks are generated. Make sure that nobody is put into danger. Because of fire hazard, no flammable materials are permitted near the device (within the reach of flying sparks).
- Regularly empty the dust bag during and after use if the device is equipped with one. Pay special attention when disposing of dust, as some material, in dusty state, can explode. Do in no case throw sanding dust to the fire. Mixtures of dust particles and oil or water are self-igniting after some time.
- Before putting the device aside, switch it off and wait for it to come to a complete standstill.
- Never allow children to use the device.

Main parts



No	Name	No	Name
1	On/off switch	4	Dust extraction connection
2	Lock switch	5	Adjusting knob
3	Dust bag		

Attaching the sanding paper

1. Open the sanding paper clamps.
2. Take a sanding paper with the grit that you wish and attach it to the sanding disk. Make sure that the holes in the paper are aligned to the holes of the sanding disk.
3. Fold the sanding paper on either side over the edge of the sanding disk.
4. One after the other, close the two paper clamps. Make sure that the ends of the sanding paper are clamped. The sanding paper must rest flat on the sanding disk and must not come off.

Using the dust extraction connection

With the help of the dust extraction connection, an external vacuum cleaner can be connected to vacuum the dust off the work surface. For that purpose, slide the vacuuming opening of any normal domestic vacuum cleaner onto the dust extraction connection.

In case you wish to use the dust bag, simply slide it onto the dust extraction connection. Regularly empty the bag to ensure optimal vacuuming.

Switching the device on and off

- To switch the device on, press the on/off switch **(1)**.
- To switch the device off, loose the on/off switch **(1)**.
- To switch on permanent operation mode, press the on/off switch **(1)** and, holding it, press the lock switch **(2)**. Now re-loose the on/off switch.
- If the device is in permanent operation mode, switch it off by pressing the on/off switch **(1)** again.

Adjusting the speed

This device is equipped with a regulation knob to adjust the maximum speed. Turn the regulation knob as shown on the switch **(1)** to adjust the desired speed.

Extracting dust and chips

- Dust generated during work can be harmful to your health, flammable, and/or explosive. Suitable protection measures are required, e.g., using a suitable dust/chips extraction unit or wearing a dust mask.
- **Attention!** Some dusts are known to cause cancer.
-  Light-metal dust can burn or burst. Keep your work area clean, as material mixtures are particularly dangerous.
-  **Fire hazard!** Under unfavourable conditions, dust in the dust bag, a microfilter, a paper bag (or filter bag or filter of the vacuum cleaner) can ignite itself when exposed for example to flying sparks during grinding of metal; this danger is particularly high when the dust is mixed with varnish or polyurethane, or other chemicals and the grinding material has become hot during long work. Avoid any overheating of the grinding material and the device and empty the dust container before every break.

Maintaining and cleaning

Attention! Before working on the device (maintaining, repairing, cleaning it), pull out the plug.

- To ensure proper and safe work, always keep the device and vents clean.
- Before mounting a new drive belt, clean both drive belt wheels.
- First place the new drive belt onto the small drive belt wheel, than, while rotating the wheel by hand, press it onto the big drive belt wheel. Re-place the wheel cover and fix it with the help of the screws.
- Only qualified persons can perform repair works.

Technical specifications

Power supply	230 V, 50 Hz
Power consumption (W)	430
Grinding speed ($\%_{\min}$)	6000–12000
Noise pressure level L_{pA} (dB (A))	81
Sound power level L_{WA} (dB (A))	92
Value of vibrations (m/s^2)	10.8 (K=1.5)
Diameter of grinding plate (mm)	125
Length of cable (m)	3
Protection class	II

Regulations for waste disposal

The Waste Electrical and Electronic Equipment Directive (WEEE Directive, 2012/19/EU) of the EU was implemented in the German law related to electrical and electronic equipment and appliances.

All WiITec electric devices that fall under the WEEE directive are labelled with the symbol of a crossed-out wheeled rubbish bin. This symbol indicates that this electric device must not be disposed of with the domestic waste.

WiITec Technik GmbH is registered with the German registration authority EAR (Stiftung Elektro-Altgeräte Register) under the WEEE-registration number DE45283704.

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

The symbol on the packaging or the product itself indicates that this product must not be treated as normal domestic waste but must be disposed of at a recycling collection station for electrical and electronic waste.

By disposing of this product correctly, you contribute to the protection of the environment and the health of your fellow people. Inappropriate disposal threatens the environment and health.



Material recycling helps to reduce the consumption of raw materials.

Additional information about the recycling of this product can be provided by your local commune, the municipal waste disposal facilities, or the store where you purchased the product.

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