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BENCH GRINDER POWX1270

1 APPLICATION

Your combination bench grinder has been designed for sharpening metal and wooden tools, including knives, chisels and other cutting tools.



Attention! Only grinding wheels must be used which have been tested to DSA standards and WHICH carry information about the maker, kind of bond, dimensions and permissible rotary speed.



Warning! Read this manual and general safety instructions carefully before using the appliance, for your own safety. Your power tool should only be passed on together with these instructions.

2 DESCRIPTION (FIG A)

1. On/off switch
2. Workpiece support grinding wheel
3. Grinding wheel
4. Transparent screen
5. Spark guard
6. Sanding belt
7. Workpiece support sanding belt
8. Mounting hole

3 PACKAGE CONTENT LIST

- Remove all packaging materials.
- Remove remaining packaging and packing inserts (if included).
- Check that the package contents are complete.
- Check the appliance, the power cord, the power plug and all accessories for transportation damage.
- Keep the packaging materials as far as possible until the end of the warranty period. Then take it to your local waste disposal system.



WARNING Packaging materials are not toys! Children must not play with plastic bags! There is a danger of suffocation!

1PC machine
1PC grinding wheel
2PCS sanding belt (G60 & G120)
2PCS workpiece support

1SET screw
1PC spark guard
1PC manual






If any parts are missing or damaged, please contact your dealer.

4 SYMBOLS

The following symbols are used in this manual and/or on the machine:

	In accordance with essential safety standards of applicable European directives		Wear eye protection
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	Read manual before use		Wear gloves
	Denotes risk of personal injury or damage to the tool.		

5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to heed warnings and follow instructions may result in electric shock, fire and/or serious injury. Keep safety warnings and instructions for future reference. The term "power tool" in the safety warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

5.1 Working area

- Keep working area clean and well lit. Untidy and dark areas can lead to accidents.
- Do not operate power tools in potentially explosive surroundings, for example, in the presence of inflammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders at a distance when operating a power tool. Distractions can cause you to lose control of it.

5.2 Electrical safety



Always check that the power supply corresponds to the voltage on the rating plate.

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed power tools. Unmodified plugs and matching outlets will reduce the risk of a lethal electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, kitchen ranges and refrigerators. There is an increased risk of a lethal electric shock if your body is earthed.
- Do not expose power tools to rain or wet conditions. If water gets inside a power tool, it will increase the risk of a lethal electric shock.
- Do not damage the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of a lethal electric shock.
- When operating a power tool outdoors, use an extension cable suitable for outdoor use. Using a cord suitable for outdoor use reduces the risk of a lethal electric shock.
- If operating a power tool in a damp location is unavoidable, use a power supply protected by a residual current device (RCD). Using an RCD reduces the risk of a lethal electric shock.

5.3 Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool when you are tired or under the influence of drugs, alcohol or medication. A moment of inattention when operating a power tool may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Using safety equipment such as a dust mask, non-skid safety shoes, a hard hat, or hearing protection whenever it is needed will reduce the risk of personal injury.
- Avoid accidental starts. Ensure the switch is in the off position before inserting the plug. Carrying power tools with your finger on the switch or plugging in power tools when the switch is in the on position makes accidents more likely.

- Remove any adjusting keys or spanners before turning on the power tool. A spanner or key left attached to a rotating part of the power tool may result in personal injury.
- Do not reach out too far. Keep your feet firmly on the ground at all times. This will enable you retain control over the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from the power tool. Loose clothes, jewellery or long hair can become entangled in the moving parts.
- If there are devices for connecting dust extraction and collection facilities, please ensure that they are attached and used correctly. Using such devices can reduce dust-related hazards.

5.4 Power tool use and care

- Do not expect the power tool to do more than it can. Use the correct power tool for what you want to do. A power tool will achieve better results and be safer if used in the context for which it was designed.
- Do not use the power tool if the switch cannot turn it on and off. A power tool with a broken switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store power tools, when not in use, out of the reach of children and do not allow people who are not familiar with the power tool or these instructions to operate it. Power tools are potentially dangerous in the hands of untrained users.
- Maintenance. Check for misalignment or jammed moving parts, breakages or any other feature that might affect the operation of the power tool. If it is damaged, the power tool must be repaired. Many accidents are caused by using poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.
- Use the power tool, accessories and cutting tools, etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work which needs to be done. Using a power tool in ways for which it was not intended can lead to potentially hazardous situations.

5.5 Service

- Your power tool should be serviced by a qualified specialist using only standard spare parts. This will ensure that it meets the required safety standards.

6 ADDITIONAL SAFETY INSTRUCTIONS FOR BENCH GRINDERS

- Always wear safety goggles while grinding.
- Keep children out of the work area.
- Never operate the grinder without the wheel guard in place.
- Always securely fix the workpiece support.
- The distance between the spark guard and the grinding wheel must not exceed 2 mm.
- The distance between the workpiece support and the grinding wheel must not exceed 2 mm.
- Never use damaged grinding wheels.
- Replace the grinding wheel when it has worn by more than approx. 40 mm.

7 ASSEMBLY AND REPLACEMENT INSTRUCTIONS

7.1 Mounting the machine (fig. A)

The machine must be screwed to a workbench.

- Mark the position of the mounting holes (8) on the workbench.

- Drill holes at each of the marked positions, adjusting the diameter and depth of the holes to the screws used.
- Place the machine on the workbench and insert the screws into the mounting holes.
- Firmly tighten the screws,

7.2 **Replacing the grinding wheel (fig. B)**

- Remove the wheel guard (9).
- Loosen the nut (10).
- Remove the outer flange (11) and the old grinding wheel (3).
- Clean the flanges (11 &12).
- Place a new grinding wheel.
- Place the outer flange against the grinding wheel and place the nut onto the spindle. Securely tighten the nut.
- Replace the wheel guard.



Always unplug the tool before replacing a grinding wheel.

Never use a cracked grinding wheel, immediately replace a cracked grinding wheel. A cracked grinding wheel may break into pieces when used and cause accidents.

7.3 **Replacing the sanding belt (fig. C&D)**

- Remove the belt guard (13).
- Loosen the locking knob (14).
- Using the lip (16) press the spring (17) to release the tension on the sanding belt (6). Tighten the locking knob.
- Remove the old sanding belt,
- Successively place the new sanding belt over the drive roll (18) and the upper roll (19).
- Loosen the locking knob and push the upper roll as much to the rear to tension the sanding belt.
- Tighten the locking knob. If necessary adjust the position of the sanding belt by turning the set screw (15) in or out.
- Replace the belt guard,



Always unplug the tool before replacing a sanding belt.

Never use a torn sanding belt. Immediately replace a torn sanding belt. A torn sanding belt may burst when used and cause accidents.

7.4 **Mounting and adjusting the spark guard (fig.E)**

The spark guard must be adjusted regularly in order to compensate the wear of the grinding wheel.

- Mount the spark guard (5) to the wheel guard (9) as shown.
- Adjust the distance between the spark guard and the grinding wheel (3) to the smallest possible value, with a maximum of 2 mm.
- Tighten the spark guard screw.
- Slide the screen (4) to the front,
- Tighten the nut (20),



The spark guard protects your eyes and hands from sparks flying from the workpiece. Therefore, always use the spark guard.

7.5 Mounting and adjusting the workpiece support for the grinding wheel (fig. F)

The workpiece support must be adjusted regularly in order to compensate the wear of the grinding wheel.

- Hold the workpiece support (21) against the side of the wheel guard (9) and fit it using the bolts (22).
- Tighten the fasteners handtight.
- Adjust the distance between the workpiece support (21) and the grinding wheel (3) to the smallest possible value, with a maximum of 2 mm.
- Tighten the fasteners,

7.6 Mounting and adjusting the workpiece support for the sanding belt (fig. F)

The workpiece support can be mounted at two different positions to the respective mounting eyes (23).

- Hold the workpiece support (24) against one of the mounting eyes (23) and fit it using the bolt (25) and the screw (26).
- Tighten the fasteners handtight.
- Adjust the distance between the workpiece support (24) and the sanding belt (6) to the smallest possible value, with a maximum of 2 mm.
- Tighten the fasteners.

8 OPERATION

- Before switching on the machine, check if all screws and nuts are tight and if the sanding belt can rotate freely,
- Always grind on the front part of the grinding wheel or sanding belt. Never overcharge the machine, causing the grinding wheel or sanding belt to come to a halt.
- Use the grinding wheel for grinding metal tools. Regularly cool the tools to be cut with water.
- Use the sanding belt for sanding wooden tools.
- The machine is not intended for permanent use. Make sure that the machine is not overheated. After using the machine for 30 minutes, let it cool down to ambient temperature.

8.1 Switching on and off (fig. A)

- To switch the machine on, set the on/off switch (1) to 'I'.
- To switch the machine off, set the on/off switch (1) to '0'.

9 CLEANING AND MAINTENANCE

The machine does not require any special maintenance.

- Regularly clean the ventilation slots.
- Regularly remove grindings from the housing and the covers.

10 TECHNICAL DATA

Mains voltage	230V
Mains frequency	50Hz
Power input	240W
Speed	2980 min ⁻¹
Max. Thickness grinding wheel	20mm
Diameter grinding wheel	150mm
Wheel bore	12.7mm
Width sanding belt	50mm
Length sanding belt	686mm
Duty cycle	30min

Weight

7.9kg

11 NOISE

Noise values measured according to relevant standard. (K=3)

Acoustic pressure level LpA

85 dB(A)

Acoustic power level LwA

98 dB(A)



ATTENTION! The sound power level may exceed 85 dB(A), in this case individual hearing protection shall be worn.

12 WARRANTY

- This product is warranted for a 36-month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding : batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Repairs may only be carried out by an authorised customer service centre for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexperienced assembly, lightning strike, erroneous net voltage. This list is not exhaustive.
- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.
- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.
- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.

13 ENVIRONMENT



Should your appliance need replacement after extended use, do not dispose of it with the household refuse, but in an environmentally safe way.

Please dispose of used motor oil in a manner that protects the environment. We suggest you take it in a sealed container to your local service station for recycling. Do not throw it into the refuse or pour it on the ground.

14 DECLARATION OF CONFORMITY

VARO N.V. - - **Vic. Van Rompuy N.V.**- Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,

product: Bench Grinders
trade mark: POWERplus
model: POWX1270

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature);

2011/65/EU
2006/42/EC
2014/30/EU

European harmonized standards (including, if applicable, their amendments up to the date of signature);

EN62841-1 : 2015
EN62841-3-4 : 2016
EN55014-1 : 2017
EN55014-2 : 2015
EN61000-3-2 : 2014
EN61000-3-3 : 2013

Keeper of the Technical Documentation : Philippe Vankerkhove, VARO – Vic. Van Rompuy N.V.

The undersigned acts on behalf of the company CEO,

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24/02/2021, Lier - Belgium