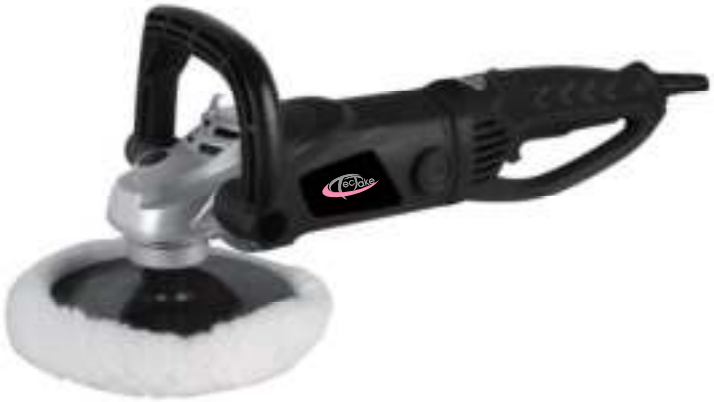
USER MANUAL
Polisher
Translation Of The Original Instruction Manual

MODEL NO.: K7216(400107)



Before using this tool for the first time, please read this manual carefully from every beginning to the end, in order to avoid wrong operation. Preserve it well and hand it to any subsequent user, by aids of reading of this manual, the users will be well informed at any time.

CONTENTS

1.INTENDED USE

This tool has been designed for polishing equipped with a disc or a pad, not to be used for any other purpose. This tool is intended for consumer use only.

2.EXPLANATION OF SYMBOLS


Read the instruction manual before use


Wear dust mask to protect against dust


Class II tool


Wear eye protection


Wear ear protection against noise


SGS Tested safety (Voluntary quality mark)


- Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local Authority or retailer for recycling advice.


- In accordance with essential applicable safety standards of European directives

3.SAFETY INSTRUCTIONS

Know your tool

Warning! Carefully observe the instructions in this manual to reduce the risk of personal injury or material damage.

Read all of this manual carefully before operating the tool.

Before operating the tool, make sure that you know how to switch the tool off in an emergency .

Retain this manual for future reference .

General Power Tool Safety Warnings

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

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) **Work area safety**

a) **Keep work area clean and well lit**. Cluttered or dark areas invite accidents.

b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.

c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) **Electrical safety**

a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.

b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.

c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.

e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) **Personal safety**

a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal

injury.

b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

h) Recommendation for the operator to wear hearing protection.

4) **Power tool use and care**

a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

5) **Service**

a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

Safety Warnings Common for Polishing Operations:

a) **This power tool is intended to function polisher Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

b) Operations such as grinding, sanding, wire brushing, or cutting-off are not recommended to be performed with this power tool. *Operations for which the power tool was not designed may create a hazard and cause personal injury.*

c) Do not use accessories which are not specifically designed and recommended by the tool manufacturer. *Just because the accessory can be attached to your power tool, it does not assure safe operation.*

d) The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. A*ccessories running faster than their rated speed can break and fly apart.*

e) The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. *Incorrectly sized accessories cannot be adequatelyguarded or controlled.*

f) Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbour hole of the accessory must fit the locating diameter of the flange. *Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.*

g) Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. *Damaged accessories will normally break apart during this test time.*

h) Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. *The eye protection must be capable of stopping flying debris generated by various operations . The dust mask or respirator must be capable of filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.*

i) Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. *Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.*

j) Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*

k) Position the cord clear of the spinning accessory. *If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.*

l) Never lay the power tool down until the accessory has come to a complete stop. *The spinning accessory may grab the surface and pull the power tool out of your control.*

m) **Do not run the power tool while carrying it at your side.** *Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.*

n) **Regularly clean the power tool's air vents.** *The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.*

o) **Do not operate the power tool near flammable materials.** *Sparks could ignite these materials.*

p) **Do not use accessories that require liquid coolants.** *Using water or other liquid coolants may result in electrocution or shock.*

Further safety instructions for all operations

Kickback and Related Warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below

a) **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** *The operator can control torque reactions or kickback forces, if proper precautions are taken.*

b) **Never place your hand near the rotating accessory.** *Accessory may kickback over your hand.*

c) **Do not position your body in the area where power tool will move if kickback occurs.** *Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.*

d) **Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory.** *Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.*

e) **Do not attach a saw chain woodcarving blade or toothed saw blade.** *Such blades create frequent kickback and loss of control.*

Additional safety points for your polisher

a) **Do not allow any loose portion of the polishing bonnet or its attachment strings to spin freely. Tuck away or trim any loose attachment strings.** *Loose and spinning attachment strings can entangle your fingers or snag on the workpiece.*

Specific Safety Warnings

1. Maintain labels and nameplates on the power tool. These carry important safety information. If unreadable or missing, contact the dealer for a replacement.
2. CAUTION: Avoid accidental injury. Keep hands and fingers safely away from the polishing

pad when operating the Tool.

3. Avoid unintentional starting. Prepare to begin work before turning on the power tool.
4. Do not lay the power tool down until it has come to a complete stop. Moving parts can grab the surface and pull the tool out of your control.
5. When using a handheld power tool, maintain a firm grip on the tool with both hands to resist starting torque.
6. Do not leave the power tool unattended when it is plugged into an electrical outlet, Turn off the tool, and unplug it from its electrical outlet before leaving.
7. This product is not a toy, Keep it out of reach of children.
8. People with pacemaker should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemaker should:
   …Avoid operating alone
   …Do not use with power tool switch locked on
   …Properly maintain and inspect to avoid electric shock.
9. Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
   …Lead from lead based paints.
   …Crystalline silica from bricks and cement or other masonry products.
   …Arsenic and chromium from chemically treated lumber.
   Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.
   Keep bystanders away from the working area!
10. Handing the power cord on this product will expose you to lead, a chemical known to cause cancer, and birth defects or other reproductive harm. Wash hands after handing.
11. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible condition and situation that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
12. Hold power tool by insulated gripping surfaces, because the blade may contact its own cord. Cutting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

Vibration Safety

This power tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hand, arms and shoulders. To reduce the risk of vibration-related injury”

1. Anyone using vibrating power tools regularly or for an extended period should first be examined by a doctor and then have regular medical checkups ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders,

diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue finger), seek medical advice as soon as possible.

2. Do not smoke during use, Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use power tools with the lowest vibration when there is a choice between different processes.
5. Include vibration-free periods each of work.
6. Grip the power tool as lightly as possible (while still keeping safe control of it). Let the tool do the work
7. To reduce vibration, maintain the power tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

 **Residual risks**

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

1. Damage to lungs if an effective dust mask is not worn.
2. Damage to hearing if effective hearing protection is not worn.
3. Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.

WARNING! This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.

4.TECHNICAL DATA

Rated voltage	AC 220 ~240V, 50 Hz
Rated power input	1600W
No-Load Speed	600-3000/min
Disk diameter (max.)	Ø180 mm
Weight	3.6kg
Protection class	class II 
Accessories	polishing Pad auxiliary handle spanner

Noise/Vibration Information

According to EN 60745:

- At Polishing mode

Noise:

sound pressure level:	97 dB(A)	Uncertainty K=3dB(A)
sound power level:	108 dB(A)	Uncertainty K=3dB(A)
Hand arm vibration:	6.8 m/s^2	Uncertainty K=1.5 m/s^2

 Wear ear protection when sound pressure is over 80 dB(A)

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.

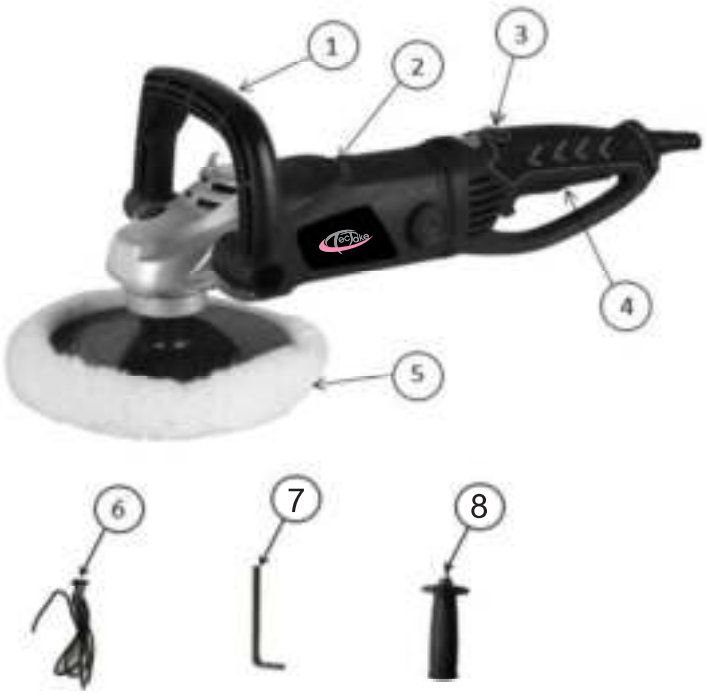
The declared vibration total value may also be used in a preliminary assessment of exposure.

Warning

The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used.

There is the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

5.OVERVIEW



1.Type U handle
2.Enclosure
3.Speed dial wheel
4.Power switch
5.Polishing disc
6.Power plug and cord
7.Hex Spanner
8.Straight handle (Optional)

6.ASSEMBLY

ASSEMBLY INSTRUCTIONS

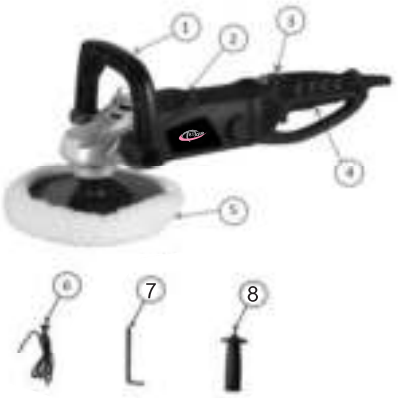
Read the ENTIRE important safety information section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠ CAUTION For all work or when changing accessories, always wear protective gloves. Avoid danger of injury from the sharp edges of the accessories. Accessories can become very hot while working, presenting danger of burns! Make sure the tool is unplugged prior to changing accessories.

⚠ WARNING To reduce the risk of injury, do not let the sharp side of the accessory face back toward the user's hand.

To prevent serious injury from Accidental operation: Turn the power switch off and unplug the tool from its electrical outlet before assembly

Always pull accessories before the assembly the power supply plug. The u-shaped grasp is suitable for left and right handed. Fasten the grasps in such a way that the holes fit the screw holes of the equipment. Use the hexagonal wrench, in order to pull the screws firmly. Use the black thin spanner, in order to fasten the rotation plate to the thread of the machine. Make sure that the plate is normal and surely fastened, before it the machine in shade. The polishing sponges, sandpaper or polishing skins are fastened with the help of the tape to the rotation plate.



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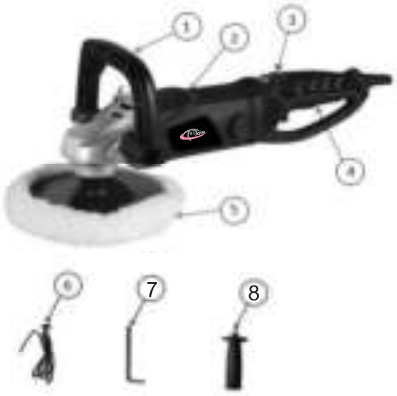
7.OPERATION

When switching on/off keep the equipment away from the work piece. You turn the machine first off before you pill the power plug l. As a newcomer you begin with a low number of revolutions, in order to get accustomed to the equipment. Caution: The polishing equipment runs far after you it switched off. With putting of the equipment the plate may not turn any longer, avoid a dusty environment of the tray surface



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8.MAINTENANCE AND SERVICING

Pull the power supply plug before with warranty works on the engine. In the case of observance our operating instructions we recommend maintenance with this equipment once annually. In the case of regular care and cleaning you can work longtime with this equipment.

Error tracing:
In case the equipment is not working as expected, please check as followed:

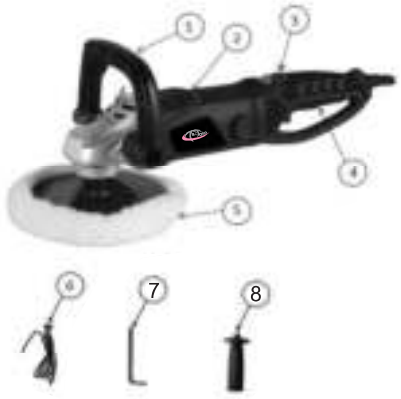
1. Equipment does not function. Power is switched off. Extension cord is damaged.
2. The electric motor does not achieve the maximum speed. Extension cord is too thin or too long. Mains voltage is smaller than 230 V.
3. The equipment is overheated. Let the equipment rest for a while and try it again after a few hours. The ventilation is possibly clogged and has to be cleaned with a dry cloth. The equipment was overloaded. Use this equipment only for the indicated purpose.
4. To strong sparking, smoke development or the electric motor run irregularly. In the engine is dirt or the carbon brush conductors is worn. The exchange of the carbon brush conductors should be accomplished only by a specialist.

Cleaning:

The ventilation slots are to clean after use, in order to ensure a perfect ventilation of the machine. For the cleaning use a dry, soft rag, after each application. Avoid solvents such as alcohol or gasoline. These can damage the plastic parts.

Error:

Should you not be successful with removing the error, inform the manufacturer or seller of this product. Even in the case of repeat orders of wear parts, you should only use original accessories by the manufacturer.



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9.DISPOSAL

Power tools, accessories and packaging should be sorted for environmentally-friendly recycling.

Only for EC countries:

Do not dispose of power tools into household waste!

According to the European Directive 2002/96/EC on waste electrical and electronic equipment and its incorporation into national law, products that are no longer suitable for use must be separately collected and sent for recovery in an environmentally-friendly manner.

10.EXPLODED VIEW