

RIKÄ
QUALITY GUARANTEED.

Owner's Operating Manual
Model No: RK40AP



RK40V

BRUSHLESS TECHNOLOGY

Cordless Polisher

IMPORTANT! PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE ALL SAFETY INSTRUCTIONS AND WARNINGS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE DAMAGE TO PROPERTY AND/OR PERSONAL INJURY.

KEEP THESE INSTRUCTIONS SAFE AND AVAILABLE FOR FUTURE REFERENCE.

www.rikapowertools.com

Certificate of Guarantee

This product is guaranteed for a period of 1 year, with effect from the date of purchase and applies only to the original purchaser. The guarantee can be extended a further 2 years by registering the purchase on **rikapowertools.com**. This guarantee applies to defects arising from, defective materials or faulty workmanship that become evident during the guarantee period only and does not include consumable items. The manufacturer will either repair or replace the product at their discretion, subject to the following.

That the product has been used in accordance with the guidelines as detailed in the product manual and that it has not been subject to misuse, abuse or used in a purpose for which it was not intended. That it has not been taken apart or tampered with in any way whatsoever or has been service by unauthorised persons or has been used for hire purposes.

Transit damage is excluded from this guarantee.

Claims made under this guarantee must be made to your retailer or contact us via **rikapowertools.com**, within the guarantee periods. Receipt and proof of purchase required.

The manufacturer shall not be liable for any special, exemplary, direct, indirect, incidental or consequential loss or damage under this guarantee.

Introduction

Thank you for purchasing this product which has passed through our extensive quality assurance process. Every care has been taken to ensure that it reaches you in perfect condition. However, in the unlikely event that you should experience a problem, or if we can offer any assistance or advice please do not hesitate to contact our customer service.

Safety First

Before attempting to operate this product the following basic safety precautions should always be taken to reduce the risk of fire, electric shock and personal injury. It is important to read the instruction manual to understand the application, limitations and potential hazards associated with this product.

After-Sales Service

Should you require any further assistance regarding your product or in the unlikely event of a defect occurring, please contact us at **rikapowertools.com**. When contacting us, be ready to provide the product Model No: and the serial number found on the product.

Intended Use

The tool is intended for polishing.

Any other application beyond the conditions established for use will be considered misuse. RIKA accepts no responsibility for improper use of this product.

Important Safety Instructions

Due to continued product refinement policy, product features and specifications can and will change without notice.

Check current features and specifications with your retailer.

The purpose of safety rules is to attract your attention to possible dangers. The safety symbols and the explanations with them, require your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instruction or warnings they give are not substitutes for proper accident prevention measures.

SAFETY ALERT SYMBOL



Indicates danger, warning, caution or notice. May be used in conjunction with other symbols or pictures.

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE indicates information considered important, but not hazard-related (e.g., messages relating to property damage).

Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

Do not attempt to operate this tool until you have read thoroughly and completely understood the safety rules, etc. contained in this manual. Failure to comply can result

in accidents involving fire, electric shock or serious personal injury. Save this Owners Operating Manual and review it frequently for continual safe operation and for instructing others who may use this tool.

SPECIFIC SAFETY INSTRUCTIONS



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

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

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.

The product is not intended for use by children or persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge.

Children should be adequately supervised to ensure they do not play with the product.



WARNING! Some dust particles created by power sanding, sawing, grinding, drilling and other construction jobs contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.

Important Safety Instructions

- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically treated timber.



WARNING! If you suspect that paint on surfaces in your home contains lead, seek professional advice. Lead based paints should only be removed by a professional and you should not attempt to remove it yourself. Once the dust has been deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage. Young and unborn children are particularly vulnerable.

Do not expose to rain or water.

Wear hearing protection when necessary. Exposure to noise can cause hearing loss.



WARNING! The operation of any power tool can result in foreign objects being thrown towards your eyes, which could result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shield or a full face shield where needed.

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.

SAFETY WARNINGS SPECIFIC FOR POLISHERS

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.

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

The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.

Threaded mounting of accessories must match the polisher 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.

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.

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.

Important Safety Instructions

Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting tool may contact hidden wiring. Contact with a "live" wire will also make exposed metal parts of the power tool "live" and could give the operator an electric shock.

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.

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.

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.

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

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

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.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward

or away from the operator, depending on direction of the wheel's movement at the point of pinching.

Abrasive wheels may also break under these conditions.

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.

1. 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.
2. Never place your hand near the rotating accessory. Accessory may kickback over your hand.
3. Do not position your body in the area where the 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.
4. 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.
5. Do not attach a saw chain woodcarving blade or toothed saw blade. Such blades create frequent kickback and loss of control.

SAFETY WARNINGS SPECIFIC FOR POLISHING OPERATIONS

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.

Important Safety Instructions

Loose and spinning attachment strings can entangle your fingers or snag on the workpiece.

Hold the power tool firmly with both hands and make sure you have a stable footing. The power tool can be more securely guided with both hands.

Always use the auxiliary handle.

Be careful not to damage the spindle. Damage to the spindle could result in wheel breakage.

Make sure the wheel is not contacting the workpiece before the switch is turned on.

Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced wheel.

Immediately switch off the machine in case of considerable vibrations or if other malfunctions occur. Check the machine in order to find out the cause.

Use the specified surface of the wheel to perform polishing.

Do not leave the tool running. Operate the tool only when hand-held.

Do not touch the workpiece immediately after operation; it may be extremely hot and could burn your skin.

Do not touch accessories immediately after operation; it may be extremely hot and could burn your skin.

Observe the instructions of the manufacturer for correct mounting and use of wheels. Handle and store wheels with care.

For accessories intended to be fitted with threaded hole wheel, ensure that the thread in the wheel is long enough to accept the spindle length.

The workpiece must be fixed if it is not heavy enough to be steady. Never move the workpiece towards the rotating disk by hand.

Pay attention that the wheel continues to rotate after the tool is switched off.

Do not use the tool on any materials containing asbestos.

Do not use cloth work gloves during operation. Fibres from cloth gloves may enter the tool, which causes tool breakage.



WARNING! To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., can cause a short circuit.

ADDITIONAL SAFETY INSTRUCTIONS FOR BATTERIES

Only use the following batteries and chargers with this tool.

RIKA 2000mAh Li-Ion Battery: RK40B2
RIKA 4000mAh Li-Ion Battery: RK40B4
RIKA 4000mAh Li-Ion Battery: RK40TB4

RIKA 2.4A Fast Charger: RK40FC2
RIKA 4.0A Fast Charger: RK40FC4
RIKA 4.5A Dual Fast Charger: RK40DFC4

Battery packs are shipped in a low charge condition. You should charge a battery pack fully before use.

Do not incinerate a battery pack even if it is seriously damaged or can no longer hold a charge. A battery pack can explode in a fire.

A small leakage of liquid from the battery pack may occur under extreme usage or temperature conditions.

Important Safety Instructions

This does not necessarily indicate a failure of the battery pack. However, if the outer seal is broken and this leakage comes into contact with your skin wash the affected area quickly with soap and water. If the leakage gets in your eyes flush your eyes with clean water for a minimum of 10 minutes and seek immediate medical attention.

Never attempt to open a battery pack for any reason. If the plastic housing a battery pack breaks open or cracks, immediately discontinue its use and do not recharge it.

Do not store or carry a spare battery pack in a pocket or toolbox or any other place where it may come into contact with metal objects. The battery pack may be short-circuited causing damage to the battery pack, burns or a fire.

CHARGING BATTERIES

When charging a new battery pack it should be fully discharged followed by a full charge for the charging rate for the battery as stated in its product manual plus 30 minutes. This should then be followed by a full discharge and a further full charge for the charging rate for the battery as stated in its product manual plus 30 minutes. This procedure will condition the battery and equalise the cell voltages. Following this procedure will ensure the optimum operation of the battery.

When repeatedly using a charger to charge a number of batteries always allow the charger to cool down before charging another battery. It is recommended that the cooling down period is not less than 30 to 45 minutes.

When charging a battery that has been discharged during heavy use allow the battery to cool down before charging. It is recommended that the cooling down period is not less than 30 to 45 minutes.

Battery packs need to be recharged with a reasonable amount of care, largely because they can be damaged by overcharging.

Overcharging can result in the battery temperature and internal pressure to rise rapidly. This can cause the cells to distort and lose electrolyte, and in extreme cases where the internal pressure is extremely high they can even explode.

This situation can also arise when an overcharged battery is fitted to the product and is being used. In order to avoid this extreme situation it is of vital importance that NiCad and/or Li-Ion batteries are fully discharged before charging and that the charge time is not exceeded except when "Conditioning" a new battery. Repeated charging of partially discharged batteries could cause failure of one or more of the cells.

SELF DISCHARGE

A lithium battery can self discharge and lose its stored charge. Typically it can lose approximately 5% of its charge in the first month after fully charging (when stored at room temperature), and then loses it by a further 3% per month. When stored at higher temperatures the self discharge rate will be accelerated.

BATTERY CHARGING INDOORS

Chargers are designed to be used indoors. We do not recommend that chargers are used inside your home. Ideally batteries should be charged on a bench in a workshop, garage or shed. If the charging operation is to be carried out in your home the area must be well ventilated and the charger must be placed on a non combustible surface ensuring that the ventilation slots are not blocked.

Never exceed the charging time except when "Conditioning" a new battery, as this could damage a battery and charger.

Important Safety Instructions

BATTERY DISPOSAL

When a battery fails to charge or maintain its charge, its usable life is exhausted. To preserve natural resources, please recycle or dispose of a battery pack properly. Before disposal ensure that the battery pack is fully discharged by operating your cordless product, then remove the battery pack from the tool housing and cover the battery pack connections with heavy duty tape, to prevent short circuit and energy discharge which could result in a fire. Do not attempt to open or remove any of the components.

Consult your local waste authority for information regarding available recycling and / or disposal options.

SPECIFIC SAFETY INSTRUCTIONS

RE-CHARGEABLE BATTERIES

Batteries may leak or explode if not charged or handled correctly. Always observe the following precautions when handling batteries. Ensure that the machine is switched off before removing or fitting batteries.

Do not use a battery with any other product that is not recommended.

Do not attempt to fit a battery the wrong way round.

Do not short out, or attempt to dismantle a battery.

Do not expose a battery to flames or excessive heat.

Do not immerse in or expose a battery to water.

Do not store or transport a battery with loose metal objects such drill and driver bits.

Batteries are prone to leakage when discharged. To avoid damage to the product, remove or re-charge the battery

when no charge remains. Store the battery in a cool place when not in use.

After prolonged use a battery may become hot. Before removing a battery, switch the machine off and allow the battery to cool down. Do not use the battery if you notice any discolouration or distortion of the battery casing.

RESIDUAL RISKS

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

1. Damage to hearing caused by noise. Wear suitable hearing protection and limit exposure.
2. Injury to the eyes. Wear protective eye shields or goggles when using the product.
3. Injury caused by vibration. Limit exposure. Follow the instructions in Risk Reduction.
4. Electric shock caused by contact with hidden wires. Hold the product only by insulated services.
5. Risk of burns due to accessories becoming hot during operation.
6. Risk of personal injury due to flying particles.

RISK REDUCTION

It has been reported that vibrations from handheld tools may contribute to a condition called Raynaud's Syndrome in certain individuals. Symptoms may include tingling, numbness, and blanching of the fingers, usually apparent upon exposure to cold.

Hereditary factors, exposure to cold and dampness, diet, smoking and work practices are all thought to contribute to the development of these symptoms.

Important Safety Instructions

There are measures that can be taken by the operator to possibly reduce the effects of vibration:

Keep your body warm in cold weather. When operating the unit, wear gloves to keep the hands and wrists warm.

It is reported that cold weather is a major factor contributing to Raynaud's Syndrome.

After each period of operation, exercise to increase blood circulation.

Take frequent work breaks. Limit the amount of exposure per day.

If you experience any of the symptoms of this condition, immediately discontinue use and see your doctor about these symptoms.



WARNING! Injuries may be caused, or aggravated, by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.

WARNING

This unit 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 unit.

GENERAL SAFETY RULES



WARNING! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

1) WORK AREA

- a) **Keep work area clean and well lit.** Cluttered and 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.

Important Safety Instructions

- 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 electrical shock.

NOTE: The term “residual current device (RCD)” can be replaced by the term “ground fault circuit interrupter (GFCI)” or “earth leakage circuit breaker (ELCB)”.

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.** Safety 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 these devices can reduce dust related hazards.

- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

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.

Important Safety Instructions

- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools 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 and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from intended could result in a hazardous situation.
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
- g) **When using the tool, do not wear cloth work gloves which may be entangled.** The entanglement of cloth work gloves in the moving parts may result in personal injury.
- c) **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

6) 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.
- b) **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorised service providers.
- c) **Follow instruction for lubricating and changing accessories.**

5) BATTERY TOOL USE AND CARE

- a) **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- b) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.

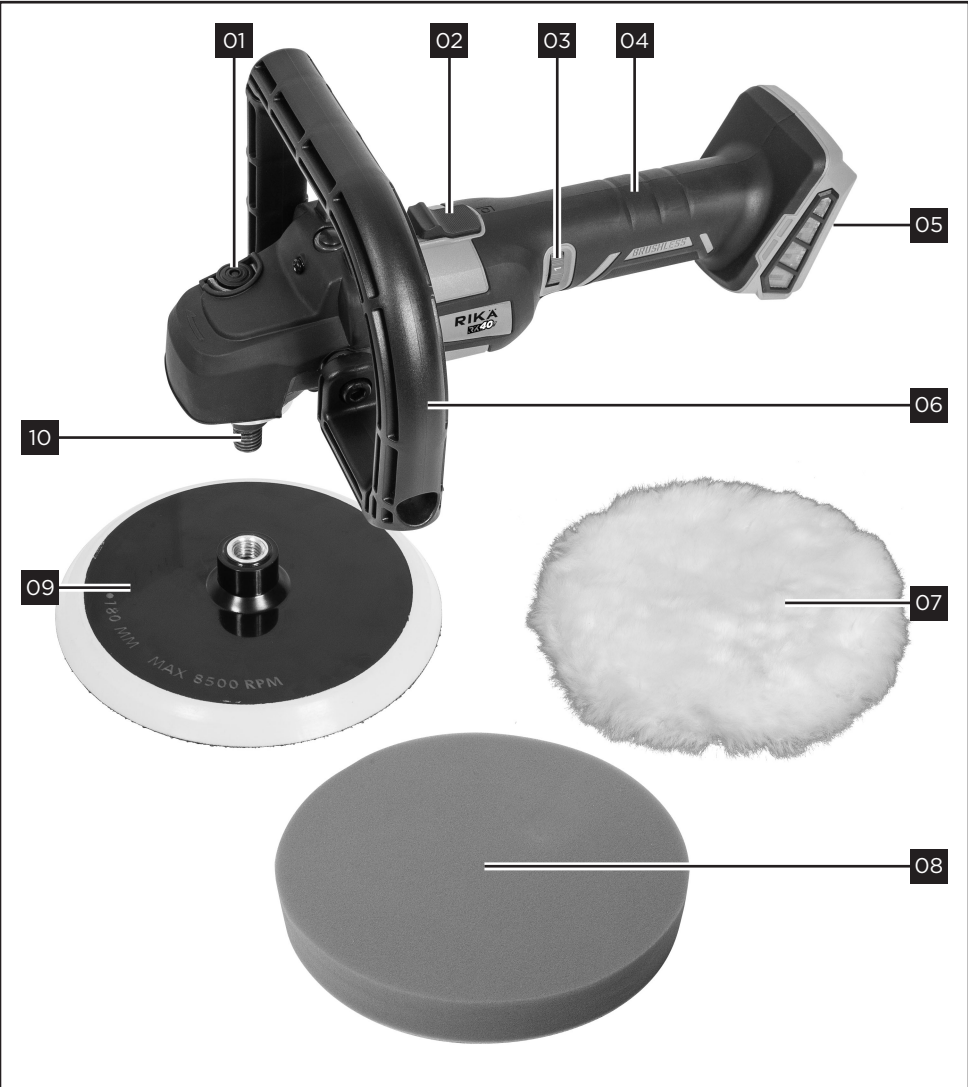
Safety Symbols

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.	
SYMBOL	DESIGNATION/EXPLANATION
	Indicates danger, warning or caution. It means attention!!! Your safety is involved.
	Your manual contains special messages to bring attention to potential safety concerns as well as operating and servicing information. Please read all the information carefully to ensure satisfaction and safe use.
	Wear eye, hearing and head protection when operating this equipment.
	Two Handed Operation. Always hold your polisher with one hand on the rear handle and other hand firmly around the auxiliary handle.
	Do not expose to rain or use in damp locations.
	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.
	Conforms to relevant safety standards.

Technical Specification

Rated Voltage:	40V DC	Sound Pressure Level:	L_{pA} 81.2 dB(A), K=3dB(A)
Motor:	Brushless	Sound Power Level:	L_{WA} 89.2 dB(A), K=3dB(A)
No Load Speed:	0-3500/min	Vibration Level:	$2.345m/s^2$, K=1.5m/s ²
Wheel Diameter:	180mm		
Spindle Thread:	M14		
Weight:	1.66kg		

Components & Controls



- 01. Spindle lock button
- 02. On/Off slide switch
- 03. Variable speed dial
- 04. Rear handle
- 05. Battery mount

- 06. Auxiliary handle
- 07. 180mm wool pad
- 08. 180mm sponge pad
- 09. Hook and loop backing pad
- 10. Spindle

Unpacking



CAUTION. This packaging contains sharp objects. Take care when unpacking. Remove the machine, together with the accessories supplied, from the packaging. Check carefully to ensure that the machine is in good condition and account for all the accessories listed in this manual. Also make sure that all the accessories are complete.

If any parts are found to be missing, the machine and its accessories should be returned together in their original packaging away, keep it safe throughout the guarantee period, then recycle if possible, otherwise dispose of it by the proper means. Do not let children play with empty plastic bags due to the risk of suffocation.

Assembly & Adjustments



WARNING! Do not use this product if it is not completely assembled or if any parts appear to be missing or damaged. Use of a product that is not properly and completely assembled or with damaged or missing parts could result in serious personal injury.



WARNING! Do not attempt to modify this product or create accessories or attachments not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.



WARNING! To reduce the risk of injury, turn unit off and disconnect the battery pack from the machine before installing and removing accessories, before adjusting or changing setups or when making repairs. Be sure the On/Off slide switch is in the OFF position. An accidental start-up can cause injury.

INSTALLING THE AUXILIARY HANDLE



CAUTION. Always make sure that the auxiliary handle is installed securely before operation.

The auxiliary handle can be installed in two different positions to suit a right of left handed operator, Fig.1.

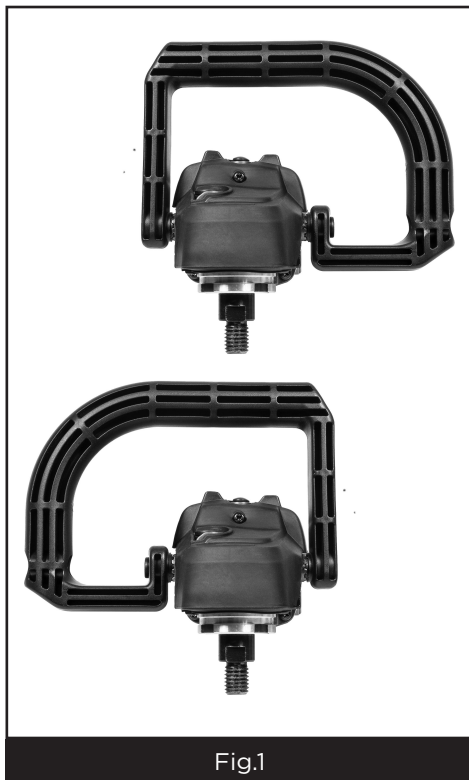


Fig.1

Assembly & Adjustments

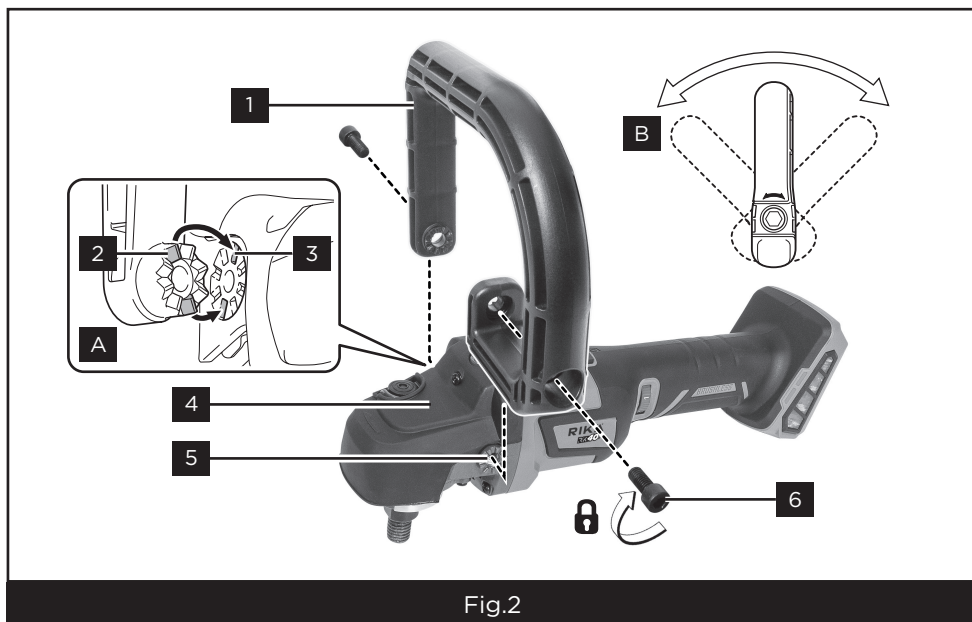


Fig.2

Place the auxiliary handle over the tool head.

Attach the straight end of the auxiliary handle over the mounting hole on side of the tool head, fitting the guide ridges on the handle end well into the guide grooves around the mounting hole, Fig.2 (A).

1. Straight end of auxiliary handle
2. Guide ridge
3. Guide groove
4. Tool head
5. Mounting hole
6. Hex bolt

Hold the straight end of the auxiliary handle in place and pull the curved end of the auxiliary handle over the mounting hole on the other side of the tool head, refining angles to engage the handle position.

Install the hex bolts through the holes in the handle and into the mounting holes on both sides of the tool head and tighten

clockwise with a hex key (not supplied) to secure the auxiliary handle in place.

The auxiliary handle can be tilted backwards and forwards to your preferred position. Loosen the hex bolts and move the auxiliary handle to your desired angle and then refasten the bolts to lock the angle, Fig.2 (B).

Do not over tighten the hex bolts.

INSTALLING/REMOVING THE HOOK & LOOP BACKING PAD



WARNING! To reduce the risk of serious personal injury, disconnect the battery pack from the tool before installing the backing pad..

CAUTION. Make sure that the hook & loop backing pad is secured properly. A loose attachment will be unbalanced and may cause excessive vibration and loss of control.

Assembly & Adjustments

With the polisher turned onto its back firmly screw the bolt of the backing pad onto the spindle thread in a clockwise direction, Fig.3.

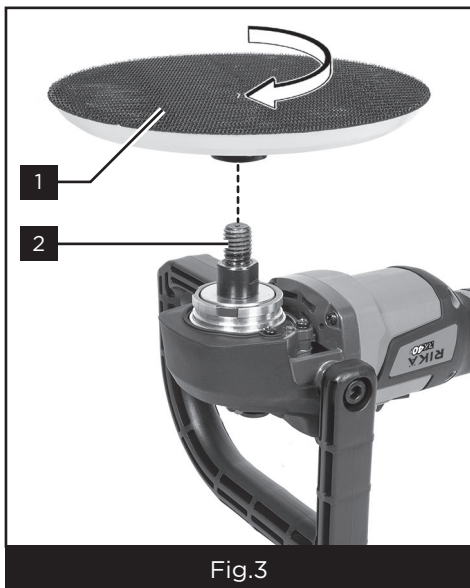


Fig.3

1. Hook & loop backing pad
2. Spindle thread

To remove the backing pad locate and depress the spindle lock button, Fig.4

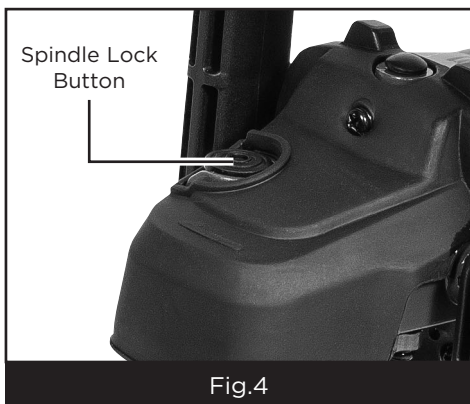


Fig.4

Unscrew the backing pad in a anti-clockwise direction.

INSTALLING OR REMOVING THE POLISHING PADS



CAUTION. Make sure that the sponge/wool pad and backing pad are aligned and securely attached. An incorrectly installed polishing pad will cause excessive vibration which can cause loss of control or the polishing pad being thrown from the tool.



CAUTION. Only use hook & loop pads for polishing.

Align the sponge/wool pad with the base of the backing pad and press down to secure in place, Fig.5.

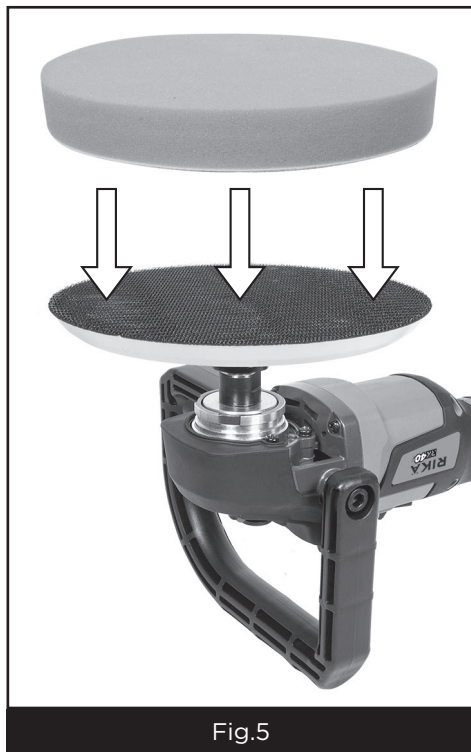


Fig.5

Assembly & Adjustments/Operation

To remove the sponge/wool pad, gently peel off the backing pad.

NOTE: Regularly clean the accessories and spindle to remove dust and debris. Wipe the components clean with a cloth dampened in soapy water if necessary.

INSTALLING A RIKA BATTERY PACK

WARNING! Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, carrying, transporting or when not in use. Removing battery pack will prevent accidental starting that could cause serious personal injury.

Slide the battery pack into the battery mount, Fig.6.



NOTE: The battery has raised ribs which allows it to fit into the tool only one way. Make sure the battery pack snaps into place and that battery pack is secured in the tool before beginning operation. Improper installation of the battery pack can cause damage to internal components.

REMOVING THE BATTERY PACK

Locate the battery release catch on the top of the battery and press downwards, Fig.7. Whilst holding down the battery release catch slide the battery pack away from the tool.



OPERATION

TURNING THE POLISHER ON/OFF

CAUTION. Before installing the battery cartridge into the tool, always check to see that the On/Off slide switch actuates properly and returns to the "OFF" position when the rear of the slide switch is depressed.

CAUTION. The On/Off slide switch can be locked in "ON" position for ease of operator comfort during extended use. Apply caution when locking the tool in "ON" position and maintain firm grasp on tool.

CAUTION. Be sure to hold the tool firmly with both hands, positioning one hand on the rear handle and the other on the auxiliary handle.

To start the tool, push down the rear of the On/Off slide switch and push towards the "I (ON)" position.

Operation

For continuous operation, press the front of the On/Off slide switch to lock it.

To stop the tool, press the rear of the On/Off slide switch, then slide it toward the "O (OFF)" position, Fig.8.

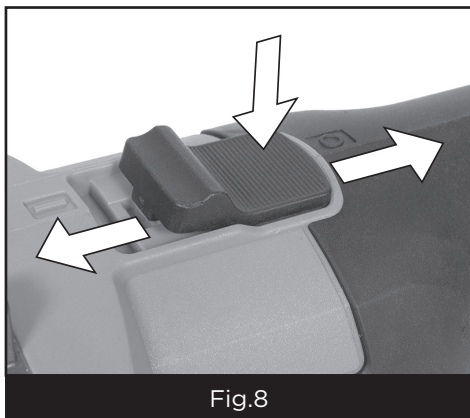


Fig.8

ACCIDENTAL RESTART PREVENTIVE FUNCTION

If the battery is removed from the tool when the On/Off slide switch is locked in the "I (ON)" position the tool will not restart when the battery is reinstalled. To start the tool, first slide the On/Off slide switch to the "O (OFF)" position and then slide it toward the "I (ON)" position.

NOTE: Wait more than one second before restarting the tool when unintentional restart proof functions.

NOTE: When the tool is overloaded and the tool temperature reaches a certain level, the tool may automatically stop. In this situation, let the angle grinder cool before turning on again.

SOFT START FEATURE

The soft start feature allows the motor to gradually ramp up to full speed over 1-2 seconds, preventing the initial violent jerk, "kickback," and high power surge upon activation. It reduces strain on the

motor/gears, improves operator control, reduces vibration, and prevents breakers from tripping.

ELECTRIC BRAKE

The electric brake is activated after the tool is switched off. The brake does not work when the power supply is shut down, such as the battery is removed accidentally, with the switch still on.

VARIABLE SPEED DIAL

The tool speed can be adjusted between 0 and 3500 revolutions per minute by turning the variable speed dial, Fig.9.

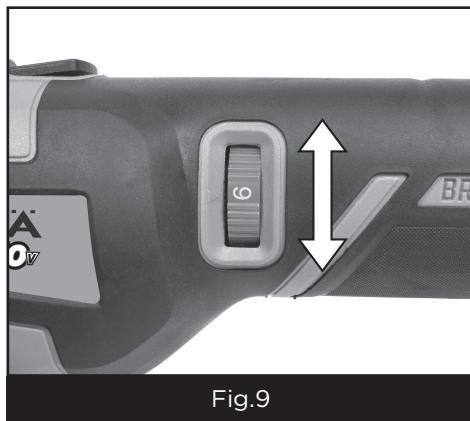


Fig.9

Higher speed is obtained when the dial is turned in the direction of number 6; lower speed is obtained when it is turned in the direction of number 1.



CAUTION. If the tool is operated continuously at low speeds for a long time, the motor will get overloaded and heat up.

The variable speed dial can be turned only as far as 6 and back to 1. Do not force it past 6 or 1, or the speed adjusting function may no longer work.

Operation

USING THE POLISHER



WARNING! Never force the tool. Excessive pressure may lead to decreased polishing efficiency, a damaged pad, or shortened tool life.



CAUTION. Make sure that the workpiece is properly supported and both hands are free to control the tool.



CAUTION. Always make sure that the auxiliary handle is installed securely before operation.



CAUTION. Do not touch the rotating wheel.



CAUTION. Continuous operation at high speed may damage work surface.



CAUTION. Always wear safety goggles or a face shield during operation.



CAUTION. After operation, always switch off the tool and wait until the wheel has come to a complete stop before putting the tool down.

Only use special waxing and polishing agents suitable for the machine.

When using waxing and polishing agents, observe the instructions issued by their manufacturer



CAUTION. To prevent damage to the surfaces of the workpieces you wish to polish, make sure that you observe the following instructions:

Wash a vehicle before polishing, and keep it free of any foreign bodies.

Make sure that the polishing attachment supplied is free of any foreign bodies when being used.

Make sure that the polishing attachment is always mounted precisely in the centre of the backing pad.

Before you start the equipment, check to ensure that the attachments are securely fitted.

Never touch the area you wish to polish with the edge of the polishing pad.

To polish, select the speed required for your purposes using the variable speed dial. The optimum working speed depends on the material to be worked and the polishing agent used. If necessary, this can be established by conducting practical tests.

The polishing machine must lie fully on the surface to be polished.

Mask plastic parts, since these change colour when polished and can become unattractive in appearance.

Only polish in the shade, and never polish hot paint.

Polish corners and edges very carefully. The paint layer is thinnest at corners and edges. As a precaution, you can mask these and polish them by hand.

IMPORTANT. Adjust the speed to the surface to be worked before applying the machine to it and allow the machine to run up to the selected speed. Depending on the speed, this may take a few seconds. Particularly when working with the sponge pad, the speed may fluctuate due to different surface qualities (different friction) in the lower speed ranges. This is not an equipment defect.

POLISHING OPERATION

Hold your polisher with one hand on the rear handle and other hand firmly around the auxiliary handle.

Always position the polisher so that wheel is pointing away from you.

Operation

Turn the tool on, letting the polishing wheel reach full speed, and then apply the pad to the workpiece. Move the tool back and forth with steady gentle pressure over the workpiece surface.

NOTE: Apply an even amount of gentle pressure over the polishing wheel. Excessive pressure will result in poor performance and premature wear to wool/sponge pad.

When finished switch off the tool and wait until the wheel has come to a complete stop before putting the tool down.

SURFACE TREATMENT

Use a wool pad for rough finishing, then use a sponge pad for fine finishing.

APPLYING POLISH

Apply polish to the sponge pad or work surface. Run the tool at low speed to smooth out wax. Work in the polish using side-to-side or circular motions and applying moderate pressure.



CAUTION. Do not apply excessive wax or polishing agent. It will generate more dust and may cause eye or respiratory diseases.

NOTE: Perform a test waxing on an inconspicuous portion of the work surface. Make sure that the tool will not scratch the surface, or it may result in uneven waxing.

Do not allow the polish to dry out on the surface; this may damage the surface. Do not expose the surface which you intend to polish to direct sunlight. Clean the polishing tools regularly to ensure good polishing results. Wash the polishing pads with mild detergent and warm water; do not use thinning agents.

REMOVING POLISH

Use a clean, very soft cloth (microfibre towel) and buff off the polish residue, making sure to keep folding the cloth to use the clean areas.

Maintenance



WARNING! Always be sure that the tool is switched off and the battery pack is removed before attempting to perform inspection or maintenance.

This power tool normally requires no maintenance; from time to time the ventilation slots on the motor casing should be cleaned out. If the unit should become defective, repair should be performed by an authorised service agent for electric tools.

Ventilation openings and switch levers must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through openings.

The tool may be cleaned most effectively with compressed dry air. Always wear

safety goggles when cleaning tools with compressed air.



WARNING! Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

Inspect the general condition of the tool. Check for loose screws and bolts, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring and any other condition that may effect its safe use. If abnormal noise or vibration occurs have the machine inspected by an authorised service agent

Maintenance

Check that all safety features are operating correctly on a regular basis. Only use this machine if all safety features are fully operational.

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean damp cloths to remove dirt, dust, oil, grease, etc.



WARNING! Do not at any time let brake fluids, gasoline, petroleum based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Electric tools used on fibreglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fibreglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc.

Consequently, we do not recommend using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication is required.

Service

Now that you have purchased your tool, should a need ever exist of repair or service, simply contact your nearest RIKKA Authorised Service Centre or other qualified service organisation. Be sure to provide all pertinent facts when you call or visit.

Environmental Protection

Information for (private householders) for the environmentally responsible disposal of Waste Electrical and Electronic Equipment (WEEE)



This symbol on products and or accompanying documents indicates that used and end of life electrical and electronic equipment should not be disposed of in household waste. For the proper disposal, treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your retailer upon the purchase of an equivalent new product. Disposing of this product correctly will help to save valuable resources and prevent any potential adverse effects on human health and the environment which could otherwise arise from inappropriate waste disposal and handling. Please contact your local authority

for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste in accordance with national legislation.

FOR BUSINESS USERS IN THE EUROPEAN UNION.

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union.

This Symbol is only valid in the European Union.

If you wish to dispose of this product, please contact your local authorities or dealer and ask for the correct method of disposal.

[illegible]

EC Declaration of Conformity

1. **Product model:** RK40AP
2. **Name and address of the manufacturer or his authorised representative:**

RIKA

SGS Engineering (UK) Ltd
Unit 1 West Side Park, Raynesway,
Derby, DE21 7AZ

3. **This declaration of conformity is issued under the sole responsibility of the manufacturer.**
4. **Object of the declaration:**
- Equipment:** 40V Cordless Polisher
Brand name: RIKA
Model/type: RK40AP
5. **The object of the declaration described above is in conformity with the relevant statutory requirements:**

Supply of Machinery (Safety) Regulations 2008
Electrical Equipment (Safety) Regulations 2016
Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

6. **References to the relevant designated standards used or references to the other technical specifications in relation to which conformity is declared:**

BS EN55014-1	BS EN62841-1
BS EN55014-2	BS EN62841-2-3

7. **The person authorised to compile the technical file:**

Name: Neil Sansom
Address: SGS Engineering (UK) Ltd, Unit 1 West Side Park,
Raynesway, Derby, DE21 7AZ

Signed for and on behalf of:

Authorised Representative



Neil Sansom, CEO
Date: 04/03/2026

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