

**ozito**

**D.I.Y**

# Rotary Tool Kit

**135 Watt**

**Operation Manual  
3 Year Replacement Warranty**

**RTG-920VK**



0209

**To view the full range visit: [www.ozito.com.au](http://www.ozito.com.au)**

## SPECIFICATIONS - MODEL NO. RTG-920VK

<b>Motor Size:</b>	135W
<b>Collet Size:</b>	3.2mm
<b>No Load Speed:</b>	8,000 – 30,000 rpm

<b>Features:</b>	Spindle Lock Accessible Brushes Variable Speed
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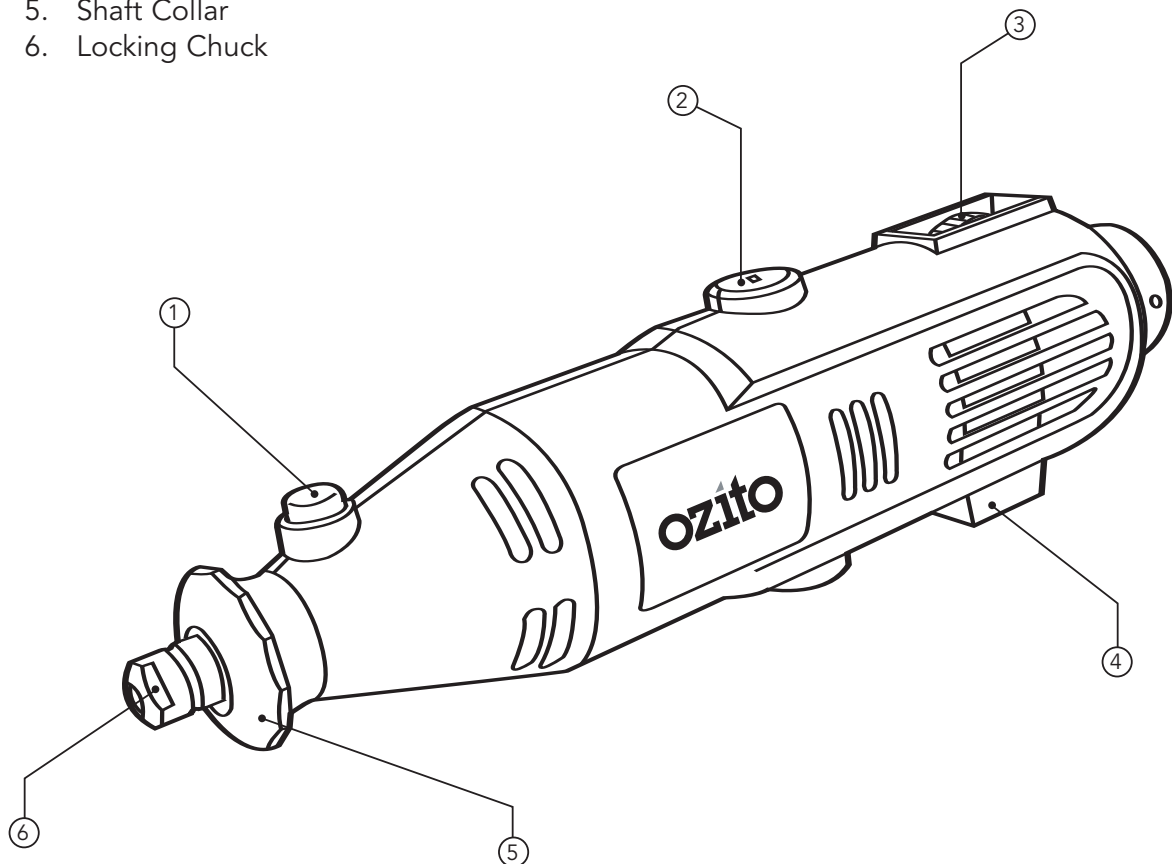
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This Rotary Tool has been designed to comply with the following Australian / International Standards and any other applicable standards referenced therein:

**AS/NZS 3160: 1996** Approval and Test Specification – Hand held electrical power tools.

**AS/NZS 1044: Edition 2, 1995** Electrical motor operated and thermal appliances for house hold and similar purposes, electric tools and similar apparatus.

1. Spindle Lock
2. Accessible Brushes
3. Variable Speed Wheel
4. On / Off Switch
5. Shaft Collar
6. Locking Chuck



## INTRODUCTION

Congratulations on purchasing an Ozito Rotary Tool. We aim to provide quality tools at an affordable price. We hope you will enjoy using this tool for many years.

Your Rotary Tool RTG-920VK has been designed with the hobbyist in mind. It has a wide variety of applications including engraving, grinding, cleaning, polishing, sanding, cutting, carving and drilling and is intended for DIY use only.

To increase the diversity of use we have included a flexible drive shaft, extension rod and table vice, giving you greater control and freedom during use. A selection of accessories have been included in the kit to get you started, extra accessories are available at the point of purchase.

## SAFETY INSTRUCTIONS

**Warning!** When using mains-powered tools, basic safety precautions, including the following, should always be followed to reduce risk of fire, electric shock, personal injury and material damage.

Read the whole manual carefully and make sure you know how to switch the tool off, in an emergency, before operating the tool.

Save these instructions and other documents supplied with this machine for future reference.

## ELECTRICAL SAFETY

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.



This tool is double insulated in accordance with EN 50144; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced by an electrician or a power tool repairer in order to avoid a hazard.

## ELECTRICAL SAFETY (cont.)

**Note:** Double insulation does not take the place of normal safety precautions when operating this tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

### Using an Extension Lead

Always use an approved extension lead suitable for the power input of this tool. Before use, inspect the extension lead for signs of damage, wear and ageing. Replace the extension lead if damaged or defective. When using an extension lead on a reel, always unwind the lead completely. Use of an extension lead not suitable for the power input of the tool or which is damaged or defective may result in a risk of fire and electric shock.

## GENERAL

- 1. Keep work areas clean.** Cluttered work areas and benches can cause accidents.
- 2. Consider work area environment.** Do not expose your tool to high humidity or rain. Do not use your tool in damp or wet conditions. Keep the work area well lit. Do not use your tool where there is a risk of causing fire or explosion, e.g. in the presence of flammable liquids and gases.
- 3. Keep children away.** Do not allow children, visitors or animals to come near the work area or to touch the tool or power lead.
- 4. Dress appropriately.** Do not wear loose clothing or jewellery, as these can be caught in moving parts. Preferably wear non-slip footwear when working outdoors. Wear protective hair covering to keep long hair out of the way.
- 5. Head protection.** Always use safety glasses. Use a face or dust mask whenever the operations may produce dust or flying particles. Wear ear protection whenever the sound level seems uncomfortable.
- 6. Guard against electric shock.** Prevent body contact with earthed or grounded surfaces (e.g. pipes, radiators, cookers and refrigerators). Electric safety can be further improved by using a high sensitivity (30 mA / 30 mS) residual current device (RCD).
- 7. Do not overreach.** Keep proper footing and balance at all times.
- 8. Stay alert.** Watch what you are doing. Use common sense. Do not operate the tool when you are tired.
- 9. Secure work piece.** Use clamps or a vice to hold the work piece; it is safer as it frees both hands to operate the tool.
- 10. Remove adjusting keys and wrenches.** Always check that adjusting keys and wrenches are removed from the tool before operating the tool.
- 11. Extension leads.** Before use inspect the extension leads and replace if damaged. When using the tool outdoors, only use extension leads intended for outdoor use and marked accordingly.

## GENERAL (cont.)

**12. Use appropriate tool.** The intended use is described in this instruction manual. Do not force small tools or attachments to do the job of a heavy duty tool. The tool will do the job better and safer at the rate for which it was intended. Do not force the tool.

**Warning!** The use of any accessory or attachment, or performance of any operation with this tool other than those recommended in this instruction manual may present a risk of personal injury.

**13. Check for damaged parts.** Before use carefully check the tool and power lead for damage. Check for misalignment and seizure of moving parts, breakage of parts, damage to guards and switches and any other conditions that may affect its operation. Ensure that the tool will operate properly and perform its intended function. Do not use the tool if any parts are damaged or defective. Do not use the tool if the switch does not turn it on and off. Have any damaged or defective parts repaired or replaced by an electrician or a power tool repairer. Never attempt any repairs yourself.

**14. Unplug the tool.** Shut off the power and wait for the tool to come to a complete standstill before leaving it unattended. Unplug the tool when it is not in use, before changing any parts of the tool, accessories or attachments and before servicing.

**15. Avoid unintentional starting.** Do not carry the tool with a finger on the on/off switch. Make sure the tool is switched off when plugging in.

**16. Do not abuse the cord.** Never carry the tool by its cord or pull it to disconnect from the socket. Keep the cord away from heat, oil and sharp edges.

**17. Store idle tools.** When not in use, tools should be stored in a dry, locked up or high place, out of reach of children.

**18. Maintain tools with care.** Keep tools clean and in good condition for better and safer performance. Follow the instructions for maintenance and changing accessories. Keep handles and switches dry, clean and free from oil and grease.

**19. Have your tool repaired by an electrician or a power tool repairer.** This power tool complies with relevant safety requirements. To avoid danger, electrical appliances must only be repaired by qualified technicians using original spare parts; otherwise this may result in considerable danger to the user.

**20. Users.** This appliance is not intended for use by young children or infirmed persons without supervision.

Young children should be supervised to ensure that they do not play with this appliance.

**21. Replacement of the supply cord.** If the supply cord is damaged, it must be replaced by an electrician or a power tool repairer in order to avoid a hazard.

## ADDITIONAL SAFETY INSTRUCTIONS FOR ROTARY TOOLS

**DANGER!** Keep hands away from the cutting area.

**Never use the spindle lock when the machine is operating.**

**Make sure the collet diameter is the same as the shaft diameter of the accessory.**

## TOOL OPERATION

### On / Off Switch

Your tool is supplied with an on / off switch, to turn the tool on depress the "I" on the switch. To turn the tool off depress the "O" on the switch.

### Variable Speed Wheel

The speed of the tool can be regulated by adjusting the variable speed wheel, for the lowest speed adjust the dial to the number 1, for full speed adjust the dial to MAX.

**Low Speed Use:** Certain materials (some plastics) require a relatively low speed because at high speed the friction of the tool generates heat and causes the plastic to melt. Slow speeds are usually best for polishing applications and delicate projects such as 'eggery' and fragile model parts.

**High Speed Use:** Higher speeds are better for carving and shaping timber. Metal and glass projects require high speed and drilling should also be done at high speed.

**Caution:** Placing excessive load on the rotary tool while it is running at low speeds may cause it to overheat and the motor to fail.

**Note:** Do not put the machine down while the motor is still running. Do not place the machine on a dusty surface as dust particles may enter the machine.

## REMOVAL AND INSTALLATION OF ACCESSORIES

**Warning!** Disconnect the plug from the power source before assembling, making any adjustments or changing accessories.

Such preventive safety measures reduce the risk of starting the tool accidentally.

To loosen the collet, first depress the spindle lock and rotate the shaft by hand until the lock engages the shaft preventing further rotation.

**Warning!** Do not engage the spindle lock while the rotary tool is running.

## REMOVAL AND INSTALLATION OF ACCESSORIES (cont.)

With the spindle lock engaged use the wrench provided to loosen the collet nut. Insert the accessory into the collet nut as far as possible; this will limit runout of the accessory. With the spindle lock engaged finger tighten the collet nut until the accessory shank is gripped by the collet. Tighten the collet nut further with the wrench. Do not over tighten the collet nut.

To remove accessories reverse the above procedure.

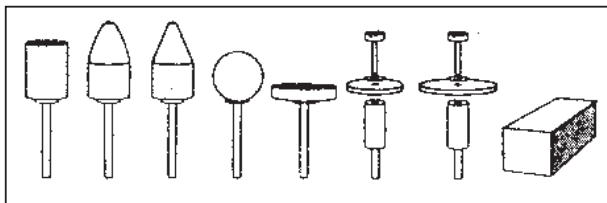
Make sure the collet matches the shank size of the accessories you plan to use.

**Warning!** Do not use grinding wheels over 1" (25.4mm) in diameter.

The high speed of the tool can cause larger wheels to fly apart and could cause injury.

### Grinding Stones

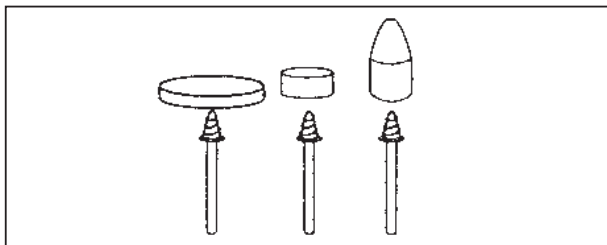
When using a grinding stone the first time, use the dressing stone to balance it. The dressing stone can also be used for cleaning the surface or to give the grinding stone a special shape.



Material	Speed setting
Stone, shell	1
Steel	5
Aluminium, brass	2
Plastic	1

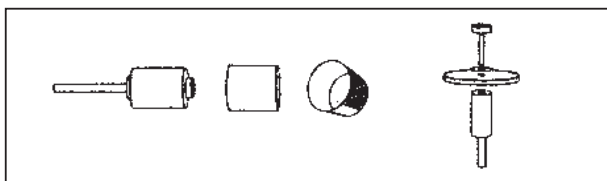
### Felt wheels and tip:

The felt wheels or tip should be screwed on the mandrel.



Material	Speed setting
Steel	5
Aluminium, brass	3
Plastic	5

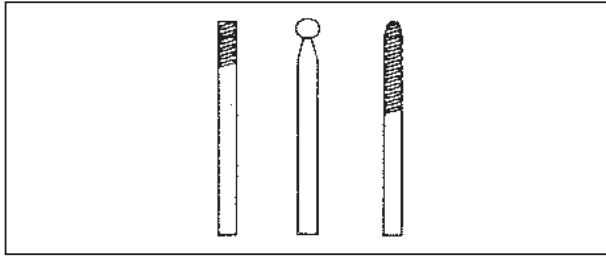
### Sanding bands and disc:



Material	Speed setting
Stone, shell	6
Steel	1
Aluminium, brass	3
Plastic	1

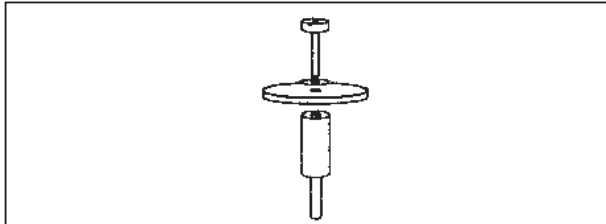
## REMOVAL AND INSTALLATION OF ACCESSORIES (cont.)

### High speed cutter, Diamond wheel point and Drill:



Material	Speed setting
Stone, shell	MAX
Steel	3
Aluminium, brass	6
Plastic	1

### Abrasive disc:



Material	Speed setting
Steel	5
Aluminium, brass	3
Plastic	5

### Flexible Shaft

**Warning!** Disconnect the plug from the power source before assembling, making any adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.

Your rotary tool is provided with a flexible shaft to give you greater comfort and control for precision work.

Unscrew the shaft collar from the rotary tool. Insert the flexible shaft into the collet chuck, engage the spindle lock and tighten the collet chuck. Screw the silver flexible shaft cover onto the body of the rotary tool. To insert accessories into the end of the flexible shaft insert the bent pin into the hole at the end of the flexible shaft this acts as a spindle lock, use the wrench to install and remove the accessories as described above.

**Note:** Remove the bent pin from the hole prior to starting the rotary tool.



## REMOVAL AND INSTALLATION OF ACCESSORIES (cont.)

### Desk Stand and Extension Rod

The desk stand will clamp to your desk or bench, once clamped screw the extension rod into the desk stand. To extend the rod turn it counter clockwise, once it is extended as far as required turn the rod clockwise to lock into place.

Once the desk stand and extension rod are mounted you can hang your rotary tool on the hook at the top of the rod, this will keep your work area neat and tidy.

## MAINTENANCE

- Keep the ventilation slots of the rotary tool clean at all times and prevent any foreign matter from entering.
- Blow out the unit through the rear ventilation slots with compressed air periodically to ensure a dust free area around the switch.
- The carbon brushes and commutator in your tool have been engineered for many hours of dependable service. To maintain peak efficiency of the motor, we recommend the brushes be examined every two to six months. Worn brushes will need to be replaced. Replace both at the same time.

**Note:** Ozito Industries will not be responsible for any damage or injuries caused by the repair of the rotary tool by an unauthorised person or by mishandling of the tool.

## CARING FOR THE ENVIRONMENT



Petrol tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

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1 x Flexible Shaft  
40 x Accessories

1 x Extension Rod  
1 x Desk Stand  
1 x Instruction Manual

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# WARRANTY

THIS WARRANTY FORM AND CONFIRMED BUNNINGS REGISTER RECEIPT SHOULD BE **RETAINED BY THE CUSTOMER** AT ALL TIMES

The warranty is only made available by returning the product to your nearest Bunnings Warehouse with a **confirmed Bunnings register receipt**.

**YOUR WARRANTY FORM SHOULD BE RETAINED  
BY YOU AT ALL TIMES.**

**SHOULD YOU HAVE ANY QUESTIONS PRIOR TO  
RETURNING YOUR PRODUCT FOR WARRANTY OR  
REPAIR PLEASE TELEPHONE OUR CUSTOMER  
SERVICE HELPLINE:**

**Australia 1800 069 486  
New Zealand 0508 069 486**

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. AN OZITO CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

PURCHASED FROM: \_\_\_\_\_

DATE PURCHASED: \_\_\_\_\_

## **3 YEAR REPLACEMENT WARRANTY**

Your Ozito tool is guaranteed for a period of **36 months from the original date of purchase** and is intended for DIY (Do it yourself) use only.

### **WARNING**

**The following actions will result in the warranty being void.**

- Professional, Industrial or high frequency use.
- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- If the tool is disassembled or tampered with in any way.

**Note:** Warranty excludes consumable parts such as brushes, batteries, sanding pads, blades, discs, drill bits, collets and router bits.