

ozito

D.I.Y

Rotary Tool

170 Watt

Operation Manual

3 Year Replacement Warranty

RTP-163

CAUTION: Read this operation manual before using this tool.



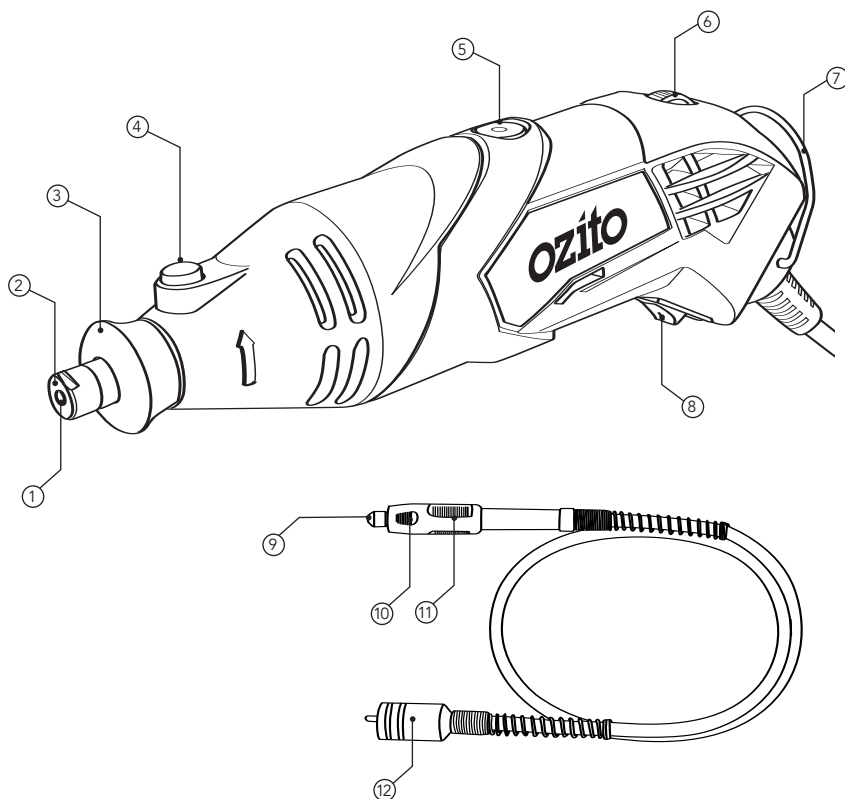
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SPECIFICATIONS MODEL NO. RTP-163

Motor:	170W
Input:	220-240V ~ 50Hz
No load speed:	8,000 – 35,000/min
Collet chuck capacity:	1.5mm – 3.2mm
Weight (tool only):	1.2kgs

Features:	Spindle Lock
	Accessible Brushes
	Variable Speed
	Flexible Shaft



- | | |
|------------------------|-------------------------------------|
| 1. Collet | 7. Hanging ring |
| 2. Collet nut | 8. On/off switch |
| 3. Shaft collar | 9. Locking chuck (flexible shaft) |
| 4. Spindle lock | 10. Spindle lock (flexible shaft) |
| 5. Accessible brushes | 11. Handle (flexible shaft) |
| 6. Variable speed dial | 12. Fitting collar (flexible shaft) |

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INTRODUCTION

The Rotary Tool has been designed with the hobbyist in mind. Ideal for intricate work or creative projects. A variety of applications including engraving, grinding, cleaning, polishing, sanding, cutting, carving and drilling can be performed with the Rotary tool. It's flexible drill shaft is ergonomic and allows greater control over the tool. It is intended for DIY only.

ELECTRICAL SAFETY

Warning! When using mains-powered equipment, 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.

GENERAL SAFETY INSTRUCTIONS

The electric motor has been designed for 230V and 240V only. Always check that the power supply corresponds to the voltage on the rating plate.

Note: The supply of 230V and 240V on Ozito tools are interchangeable for Australia and New Zealand.



This tool is double insulated in accordance with AS/NZS 3100: 2002; 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.

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 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.

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 safety 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) **Avoid accidental starting. Ensure the switch is in the off-position before plugging in.** Carrying power tools with your finger on the switch or plugging in 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.

GENERAL SAFETY RULES (cont.)

- 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.

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 supply 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 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 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.
- b) **If the supply cord is damaged,** it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

ADDITIONAL SAFETY INSTRUCTIONS FOR ROTARY TOOL

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Recommendations for the use of a residual current device with a rated residual current of 30mA or less.

Do not use accessories (such as grinding discs) with a maximum rated speed below 35,000/min.

Always wear eye, ear and breathing protection.

Do not apply too much pressure when grinding, cutting, etc.

Keep your hands well clear of the cutting devices.

Warning! The use of an accessory or attachment, other than those recommended in this Instruction Manual, may present a risk of personal injury.

To use this tool properly, you must observe the safety regulations, the assembly instructions and the operating instructions to be found in this Manual. All persons who use and service the machine have to be acquainted with this Manual and must be informed about its potential hazards. Children and infirm people must not use this tool. Children should be supervised at all times if they are in the area in which the tool is being used. It is also imperative that you observe the accident prevention regulations in force in your area. The same applies for general rules of occupational health and safety.

The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes.

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:

- Damage to the lungs if an effective dust mask is not worn.
- Damage to hearing if effective earmuffs are not worn.
- Damage to eyes if effective goggles are not worn.
- Risk of injury unless hands are kept well clear of cutting devices.

OPERATION

On / Off Switch

Warning! Before connecting a tool to a power supply be sure that the voltage supply is the same as that specified on the nameplate of the tool. A power supply with a voltage greater than that specified for the tool can result in serious injury to the user, as well as damage to the tool. If in doubt, do not plug in the tool. Using a power supply with a voltage less than the nameplate rating is harmful to the motor

- To switch on, set the variable speed dial (6) to 1 and push the on/off switch (8) to "I".
- To switch off, reset the variable speed dial (6) to 1 and push the on/off switch (8) to position "0".

Varying the speed

The speed of the tool can be regulated by adjusting the variable speed dial (6), 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 fragile model parts.

High Speed Use: Higher speeds are better for carving and shaping materials. Metal and glass projects require high speed 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.

Holding the tool

- Small milling cutters/grinders pencils - high speed
For jobs such as milling or engraving where precision is required, hold the mini-drill like a pen.
- Large milling cutters/grinders pencils - low speed
For heavier work like cutting or grinding hold the machine in the palm of your hand.

Changing accessories

1. Make sure that the machine is switched off and the plug removed from the power before you commence changing any accessories.
2. Press and hold down the spindle lock button (4) and unscrew the collet nut (2).
3. Loosen and collet nut (2) fully using the 2 in 1 Wrench provided.
4. Select a suitable Collet for the accessory to be used and insert it in the collet nut shaft.
5. Insert the selected accessory into the collet.
6. Tighten collet nut (2) fully using the 2 in 1 Wrench provided. (always ensure bits are tight before commencing any work with your tool).

OPERATION (cont.)

Locating a cutting/sanding disc

1. Locate the disc holder in the collet nut (2) .
2. Remove the screw from the end of the disc holder with the 2 in one wrench provided, and insert the screw through the cutting disc.
3. Replace the screw and cutting disc then tighten the cutting disc onto the holder. (Do not over-tighten)

Locating a sanding drum

1. Loosen the small screw in the top of the sanding drum holder.
2. This allows the rubber to slacken.
3. Slide the sanding drum onto the holder.
4. Secure the sanding drum in place by tightening the screw causing the rubber drum to bulge and grip the drum. (Do not over-tighten)

Flexible Shaft Installation:

1. Remove the Shaft Collar (3).
2. Hold the handle (11) of the flexible shaft in one hand and the fitting collar (12) of the flexible shaft in your other hand the collar of the flexible shaft in your other hand.
3. Raise the handle (11) end of the flexible shaft and shake gently. This will assist the flexible shaft to become detached from the outer shaft and protrude from the fitting collar. See Figure 1.

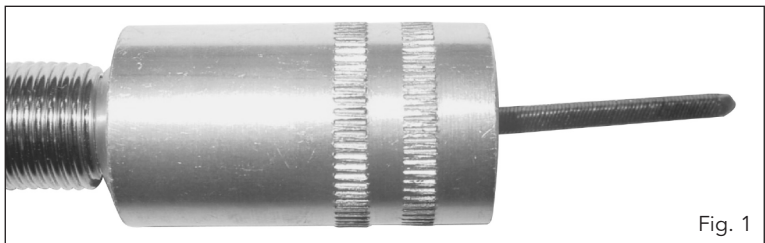


Fig. 1

4. Loosen the collet nut (2) on your Rotary tool and insert the inner flexible shaft into the collet (1) and tighten the collet nut (2) with the 2 in 1 wrench.
5. Hold the rotary tool in one hand and the flexible shaft fitting collar in the other and let the other end of the flexible shaft hand down freely.
6. Gently shake the Rotary tool and flexible shaft and screw the flexible shaft fitting collar (12) onto your Rotary tool. Gently shaking your Rotary tool and shaft will assist the inner flexible shaft to locate correctly in the handle (11) of the flexible shaft assembly.
7. Tighten the collet nut (2) fully using the 2 in 1 wrench provided. Always ensure bits are tight before commencing any work with your tool.
8. Tighten the flexible shaft fitting collar onto your Rotary tool but do not over tighten.

OPERATION (cont.)

Your Flexible shaft is now ready for use.

Please note that the RTG-921K Ozito Rotary Tool Flexible Shaft does not fit the RTP-163.

The OZACRTGF001 is only operational with the RTG-921K Ozito Rotary Tool Kit.

It is recommended that you never bend your flexible shaft and smaller than 125mm (5") in diameter. (Fig.2)

Bending your flexible shaft any tighter than 125mm (5") will cause the inner shaft to bind causing additional load on your tool.

Addition load could cause your tool to over heat and your motor to fail or burn out.

Motor burn out caused by this action will not be covered under warranty.

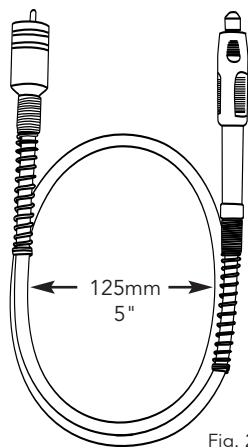


Fig. 2

MAINTENANCE

Maintenance

1. Store the machine, instruction manual and where necessary, the accessories in the original packaging. In this way you will always have all the information and parts ready to hand.

Cleaning

- Keep the ventilation vents of the tool clean at all times, if possible, prevent foreign matter from entering the vents.
- After each use, blow air through the tool housing to ensure it is free from all dust particles which may build up. Build up of dust particles may cause the tool to overheat and fail.
- If the enclosure of the tool requires cleaning do not use solvents but a moist soft cloth only. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

CAUTION: Do not use cleaning agents to clean the plastic parts of the tool. A mild detergent on a damp cloth is recommended. Water must never come into contact with the tool.

Repairs

1. Only an authorised Electrician or Power Tool repairer should replace the cordset or effect other repairs. If the cordset is damaged or worn, have it repaired or replaced by an authorised Electrician or Power Tool repairer.
2. When the brushes are worn, the tool may not work. Have new brushes fitted by an authorised Electrician or Power Tool repairer.

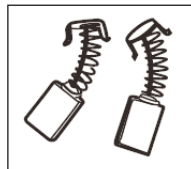
Please refer to your warranty card, which is separate to these instructions.

MAINTENANCE (cont.)

Carbon brushes

When the carbon brushes wear out the tool will spark and/or stop. Discontinue use as soon as this happens. They should be replaced prior to recommencing use of the tool. Carbon brushes are a wearing component of the tool therefore not covered under warranty. Continuing to use the tool when carbon brushes need to be replaced may cause permanent damage to the tool.

Carbon brushes will wear out after many uses but when the carbon brushes need to be replaced take the tool to an electrician or a power tool repairer for a quick and low cost replacement. Always replace both carbon brushes at the same time.



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

SPARE PARTS

Limited spare parts are available subject to availability. Please contact your local Bunnings Special Orders Desk to order the required spare parts.

Most common spare parts listed below

Spare Part	Part No.
Collet Nut	SPRTP160-01
Carbon Brush & Brush Holder Set	SPRTP163-10
Switch	SPRTP163-15
4pcs Collet Set 1.5mm- 3.2mm	SPRTP163-601A
Spanner	SPRTP163-602
Flexible Drive	SPRTP163-1101

DESCRIPTION OF SYMBOLS

V	Volts	Hz	Hertz
~	Alternating current	W	Watts
/min	Revolutions or reciprocation per minute	No	No load speed
Ø	Diameter		
	Double insulated		Regulator compliance mark

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.

CONTENTS

1 x Rotary Tool
1 x Flexible Shaft
1 x 2 in 1 Wrench

1 x Instruction Manual

183 Accessories:

20pcs sanding bands Ø6.35*12.7mm
18pcs sanding bands Ø12.7*12.7mm
1pc cloth wheel Ø25.4*4.7mm
1pc felt wheel Ø25.4*6.7mm
4pcs flet wheel Ø12.7*6.0mm
1pc rubber emery wheel
1pc felt wheel point Ø9.5*19mm
6pcs twist drills(1.6mm,2.4mm,3.2mm)
1pc sanding shank Ø12.7*12.7mm
1pc sanding shank Ø6.35*12.7mm
11pcs diamond bits
2pcs hss cutters
6pcs aluminum oxide grinding stones
4pcs silicon carbide grinding stones
3pcs nylon brushes
3pcs brass brushes
3pcs steel burshes
1pce polishing compound
30pcs cut-off wheels
36pcs sanding papers
4pcs collets (3.2mm x 1, 2.4 mm x 2, 1.6mm x 1)
6pcs aluminum oxide grinding wheels
4pcs silicon carbide grinding wheels
1pc wet stone
2pcs madrel for cut-off wheels
1pc madrel for felt wheel
1pc flap wheel
5pcs cut-off wheel fibre glass
1pc spanner
1pc spindle lock for flexible drive
1pce sanding drum mandrel12.7mm
1pce sanding drum mandrel 6.35mm

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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.

- Trade, 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.