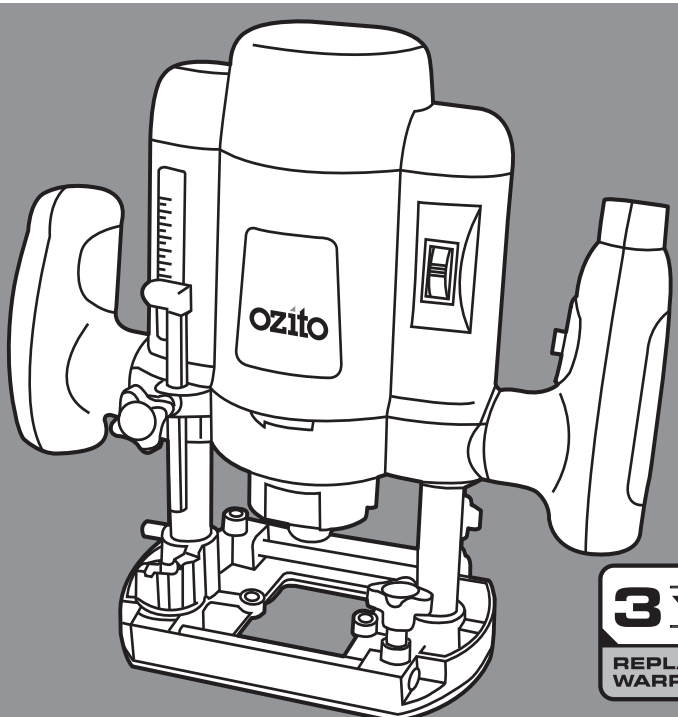
# ozito

## PLUNGE ROUTER

**6.35mm** **MODEL NO. PRG-632VK**




3 YEAR
REPLACEMENT WARRANTY

# OPERATING INSTRUCTIONS

0208

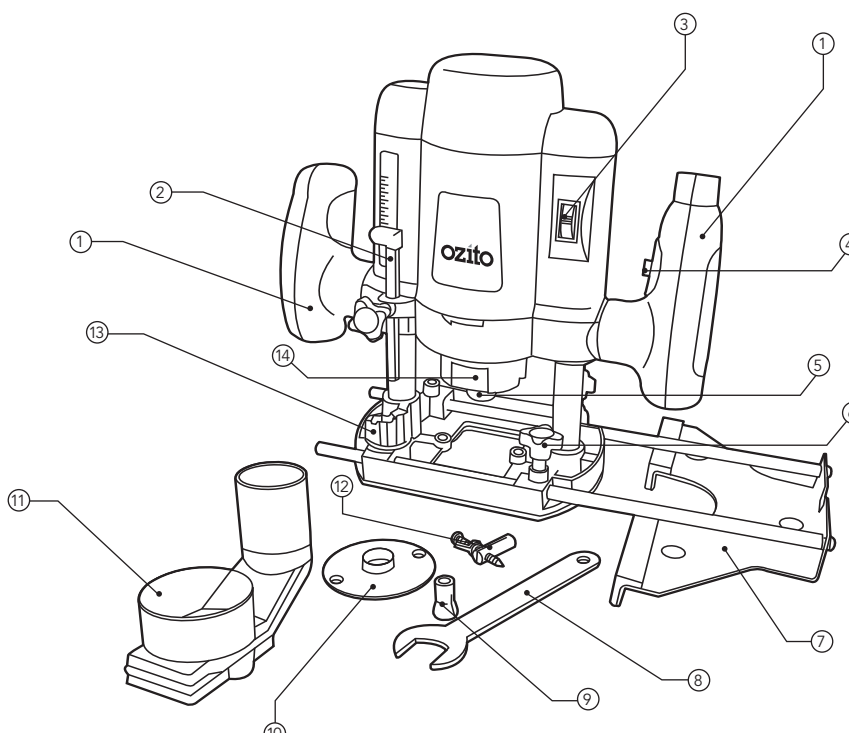
Always Wear Eye, Face & Ear Protection

www.ozito.com.au

# SPECIFICATIONS - MODEL NO. PRG-632VK

| | |
|---|---|
| **Motor size:** | 1200W |
| **Input:** | 230V ~ 50Hz |
| **No load speed:** | 16,000 – 34,000 rpm |
| **Collet size:** | 6.35mm (1/4") |
| **Plunge depth:** | 42mm |
| **Features:** | Variable speed<br>Spindle lock<br>Lock off switch<br>12 TCT router bits included |

1. Operating handles
2. Depth rod
3. Variable speed control
4. Lock off switch
5. Collet nut
6. Fixing screws
7. Guide fence
8. Spanner
9. 6.35mm Collet
10. Template guide
11. Dust extraction adaptor
12. Centring pin
13. 8 Tier depth stop
14. Spindle lock button
15. Plunge lock lever (not shown)



## INTRODUCTION

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

Your Ozito Plunge Router PRG-632VK has been designed for routing wood and wood products and is intended for DIY use only.

## 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 tool 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 AS/NZS 3100: 2002; therefore no earth wire is required.

**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.
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. **Connect dust extraction equipment.** If devices are provided for the connection of dust extraction and collection facilities, ensure that these are connected and properly used.
18. **Store idle tools.** When not in use, tools should be stored in a dry, locked up or high place, out of reach of children.
19. **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.
20. **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.
21. **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.
22. **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 ROUTERS

- Wear safety glasses or goggles when operating this tool.
- Only use router bits with a shank diameter equal to the size of the collet installed in the tool.
- Only use router bits suitable for the no-load speed of the tool.
- Do not use the tool in an inverted position.
- Do not attempt to use the tool in a stationary mode.
- Take special care when routing MDF or surfaces coated with lead-based paint:

  Wear a dust mask specifically designed for protection against lead paint dust and fumes and ensure persons within or entering the work area are also protected.

  Do not let children or pregnant women enter the work area.

  Do not eat, drink or smoke in the work area.

  Dispose of dust particles and any other debris safely.
- This appliance is not intended for use by young or infirmed persons without supervision. Children must be supervised to ensure they do not play with the tool.

## ASSEMBLY

**Warning!** Before attempting any of the following operations, make sure the tool is switched off and unplugged and the spindle has stopped.

**Fitting a Router Bit**

- Keep the spindle lock (14) depressed and rotate the spindle until the spindle lock fully engages.
- Loosen the collet nut (3) using the spanner provided.
- Insert the shank of the router bit into the collet (9). Make sure the shank protrudes at least 3mm from the collet.
- Keep the spindle lock (14) depressed and tighten the collet nut (5) using the spanner provided.

**Fitting the Straight Guide Fence**

The straight guide fence helps to guide the tool parallel to the edge of the work piece.

- Remove the screws and washers from the ends of the fence bars. Place the bar ends to the corresponding holes in the fence, as shown on page 2. Secure in place by reassembling the screws through the washers, fence and finally into the bars.
- Insert the bars into the router base.
- Set the guide fence to the required distance.
- Tighten the fixing screws.

**Fitting the Dust Extraction Adaptor**

The dust extraction adaptor allows you to connect a vacuum cleaner to the tool.

- Place the dust extraction adaptor (11) onto the base of the tool.
- Insert the two screws from the bottom through the holes in the base and into the dust extraction adaptor.

**Fitting the Template Guide**

- Fit the template guide (10) to the base of the router with the raised flange side to the bottom (work piece) side.
- Fit the guide by removing the two screws retaining the dust extraction adaptor, placing the guide in the recess provided in the base and replacing the screws. The dust extraction adaptor must be in place when fitting the guide to hold the screws.

**Fitting the Centring Pin**

- Remove one of the fence bars from the straight guide fence.
- Remove the screw and washers from the end of the bar.
- Attach the centring pin to the end of the guide bar where you have removed the screw and tighten the wing nut on the centring pin.
- Insert the guide bar into the router base and secure in place by fastening the fixing screw.

**Adjusting the Depth of Cut**

The depth of cut is the distance X between the depth rod (2) and the 8 tier depth stop (13). The depth of cut can be set in two different ways as described below.

**Adjusting the Depth of Cut using a Piece of Wood**

- Fit the router bit as previously described.
- Loosen the depth rod locking screw.
- Pull the plunge lock lever (15) up. Plunge the router down until the router bit touches the work piece.
- Push the plunge lock lever (15) down.
- Pull the depth rod (2) up.
- Place a piece of wood with a thickness equal to the desired depth of cut between the 8 tier depth stop (13) and the bottom of the depth rod (2).
- Tighten the locking screw.
- Remove the piece of wood.
- Pull the plunge lock lever (15) up and let the router return to its original position.
- Select the desired speed on the variable dial.
- Switch the router on with your right hand.
- Use your left hand to guide the plunge down steadily.
- Make the desired cut, using your right hand to guide the router motion across the surface of the work piece.

**Adjusting the Depth of Cut using the Scale**

- Fit the router bit as previously described.
- Loosen the depth rod locking screw.
- Pull the plunge lock lever (15) up.
- Plunge the router down until the router bit touches the work piece.
- Push the plunge lock lever (15) down.
- Read the starting position from the scale.
- Add the desired depth of cut to the starting position.
- Move the depth rod (2) to the calculated position on the scale.
- Tighten the locking screw.
- Pull the plunge lock lever (15) up and let the router return to its original position.

- Select the desired speed on the variable dial.
- Switch the router on with your right hand.
- Use your left hand to guide the plunge down steadily.
- Make the desired cut, using your right hand to guide the router motion across the surface of the work piece.

**Adjusting the 8 Tier Depth Stop**

Once the desired final depth has been set on the lowest step of the 8 tier depth stop with the depth rod, it is possible to make progressively deeper cuts. This is done by starting with the highest step on the 8 tier depth stop and after each cut, rotating the depth stop to progressively lower steps as desired, until the final depth (lowest step) is reached.

**Setting the Speed**

- Set the variable speed control (3) to the required speed. Use a higher speed for smaller diameter router bits. Use a lower speed for larger diameter router bits.

**Using a Batten as a Guide**

When it is not possible to use the straight guide fence, for example when routing grooves in the back panel of a bookcase to support shelves, proceed as follows:

- Place a batten onto the work piece.
- Move the batten until it is in the correct position to guide the tool.
- Securely clamp the batten to the work piece.

**Using the Template Guide**

The template guide can be used to make cut-out shapes from a template (not supplied), for instance a letter.

- Secure the template over the work piece with double-sided tape or “G” clamps.
- The router bit must extend below the flange of the template guide to cut the work piece in the shape of the template.

**Using the Centring Pin**

The centring pin can be used to cut out circular patterns.

- Drill a hole for the point of the centring pin in the centre of the circle to be cut.
- Place the router on the work piece with the point of the centring pin in the drilled hole.
- Adjust the radius of the circle with the bar of the straight guide fence.
- The router can now be moved over the work piece to cut out the circle.

## OPERATION (cont.)

**On/off Switch**

To turn on the router, depress the lock off button and then squeeze the on/off switch. Once the router is running, the lock off button can be released. To turn off the router, release the on/off switch.

**Caution:** Let the tool work at its own pace. Do not overload.

**Edge Forming**

Always use piloted or bearing router bits when edge forming. The lower portion of a pilot tipped bit is a shaft only without cutting edges. Bearing guide bits have a ball bearing on the end of the bit to guide the bit.

**Hints for Optimum Use**

- When working on outside edges, move the tool counter clockwise. When working on inside edges, move the tool clockwise.
- You can use the tool without a guide. This is useful for signwriting and creative work. Only make shallow cuts.

## MAINTENANCE

- Keep the ventilation slots of the tool clean at all times. If possible prevent foreign matter from entering the vents.
- After each use, blow air through the saw to ensure it is free from all dust particles that may build up. A 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.
- The brushes are a wearing component of the tool and should be replaced prior to the carbon wearing out fully. When the carbon brushes wear out the tool will spark and/or stop. Brushes will wear out after many uses but before they do take the tool to an electrician or a power tool repairer for quick and low cost replacement. Always replace both 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.

## CONTENTS

1 x Plunge Router PRG-632VK
2 x Collets (6.35mm)
1 x Spanner
1 x Straight guide fence
1 x Dust extraction adaptor
1 x Centring pin
1 x Template guide
12 x Router bits
1 x Instruction manual
1 x Kit box

## OZITO INDUSTRIES PTY LTD

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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.**

**PRIOR TO RETURNING THIS PRODUCT FOR WARRANTY OR REPAIR PLEASE TELEPHONE OUR CUSTOMER SERVICE LINE**

**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 ADVISE YOU OF THE PROCEDURE TO FOLLOW TO OBTAIN A SPEEDY OUTCOME TO YOUR ENQUIRY.

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, blades, discs, drill bits, collets, router bits and other accessories.