Thank you for purchasing this Triton power tool. These instructions contain information necessary for safe and effective operation of this product. This Jigsaw has a number of unique features. Even if you are familiar with jigsaws, please read this manual to make sure you get the full benefit of the unique design.

Keep this manual close to hand and ensure all users of this tool have read and fully understand them.
## SPECIFICATIONS

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Part no:</th>
<th>TJS001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage:</td>
<td>230-240V ~ 50Hz</td>
</tr>
<tr>
<td>Input power:</td>
<td>710W</td>
</tr>
<tr>
<td>No load speed:</td>
<td>800 to 3,000min⁻¹</td>
</tr>
<tr>
<td>Capacities:</td>
<td>Wood - 85mm (3 ⅜&quot;)</td>
</tr>
<tr>
<td></td>
<td>Metal - 6mm (¼&quot;)</td>
</tr>
<tr>
<td>Angle adjustment:</td>
<td>45° - 0° - 45°</td>
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<tr>
<td>Insulation class:</td>
<td>Double insulated</td>
</tr>
<tr>
<td>Net weight:</td>
<td>2.9kg (6.4lb)</td>
</tr>
<tr>
<td>Laser:</td>
<td>Class 2</td>
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<tr>
<td></td>
<td>Wave length: 650nm</td>
</tr>
<tr>
<td></td>
<td>Output power: ≤1mw</td>
</tr>
</tbody>
</table>
1. Trigger switch
2. On/off switch
3. Lock-on button
4. Pendulum lever (scrolling lock)
5. Blade guard
6. Blade change control
7. Hex key
8. Shoe plate
9. Shoe bracket
10. Blade guide
11. Speed controller
12. Removable handle
13. Handle release tabs
14. Handle cap
15. Laser enhancing safety glasses
16. Laser/LED switch
17. Dust control switch
18. Dust port
19. Angle scale
20. Scrolling control knob
21. Parallel guide
22. Parallel guide locking knobs
23. 2 jigsaw blades (curve cutting blade & straight cutting blade)
GENERAL SAFETY RULES

Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal 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.

WORK AREA

- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.

- Do not operate power tools in an environment where explosive or corrosive gases could be present. Power tools create sparks which may ignite fumes. Avoid areas where there is excessive dampness or humidity.

- Keep children, bystanders and visitors away while operating the power tool. Distractions can cause you to lose control.

- Always set up or fix the tool in a stable position.

ELECTRICAL SAFETY

- 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.

- 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.

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

- 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.

- 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.

- Never yank the cord to disconnect if from socket. Keep the cord away from heat and sharp edges.

PERSONAL SAFETY

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

- 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.

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

- 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.

- Remove adjusting keys or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in injury.

- Accessories and metal parts can become very hot.
POWER TOOL USE AND CARE

- Use clamps or other practical way to secure and support the work to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.
- Do not force the tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
- Do not use the tool if switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired. If there appears to be a problem refer to the "Trouble-shooting" and if necessary contact a repair centre.
- Disconnect the plug from power before making any adjustments, changing accessories, or storing the tool. Such preventative measures reduce the risk of accidental starting.
- Store tool in a dry location, out of reach of children and untrained persons. This tool is dangerous in the hands of untrained users.
- Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
- Check for misalignment (i.e. excessive vibration), binding of moving parts, or any damage that may affect the tools operation. If damaged have the tool serviced before using. Many accidents are caused by poorly maintained tools.

ADDITIONAL SAFETY WARNINGS FOR JIGSAWS

Before connecting a tool to a power source (mains switch power point receptacle, outlet, etc.) be sure that the voltage supply is the same as that specified on the nameplate of the tool.

A power source 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 source with a voltage less than the nameplate rating is harmful to the motor.

Your tool is double insulated for additional protection against a possible electrical insulation failure within the tool.

Always remove the plug from the mains socket before making any adjustments or maintenance, including changing the blade.

- Ensure that the lighting is adequate.
- Do not use the saw unless the guards are in place.
- Keep the shoe flat on the workpiece.
- Do not put pressure on the saw, such that it slows the motor down. Allow the saw blade to cut without pressure. You will get better results and you will be taking better care of your tool.
- Keep the area free of tripping hazards.
- Do not let anyone under 18 years operate this jigsaw.
- Only use blades in good condition.
- Before cutting, check that there is sufficient clearance for the blade under the workpiece.
- Do not touch the blade after operation. It will be very hot.
- Keep your hands away from under the work piece.
- Never use your hands to remove sawdust, chips or waste close by the blade.
- Rags, cloths, cord, string and the like should never be left around the work area.
- Avoid cutting nails. Inspect the work piece and remove all nails and other foreign objects before beginning sawing.
- Support the work properly.
- Never reach over the blade to remove waste or off cuts.
• Do not attempt to free a jammed blade before first switching off the machine.
• If you are interrupted when operating the saw, complete the process and switch off before looking up.
• Do not store materials or equipment above a machine in such a way that they could fall into it.
• Always hold the saw on parts that are insulated. If you accidentally cut into hidden wiring or the saw’s own cable, the metal parts of the saw will become ‘live’.
• When using the jigsaw, use safety equipment including safety goggles or shield, ear defenders, dust mask and protective clothing including safety gloves.
• Always check walls, floors and ceilings to avoid hidden power cables and pipes.

**ADDITIONAL SAFETY WARNINGS FOR LASER LIGHTS**

The laser light/laser radiation used in this product is Class 2 with maximum 1mW and 400nm – 700nm wavelengths. These lasers do not normally present an optical hazard, although staring at the beam may cause flash blindness.

⚠️ Do not stare directly at the laser beam.

A hazard may exist if you deliberately stare into the beam. Please observe all safety rules as follows:

• The laser shall be used and maintained in accordance with the manufacturer’s instructions.
• Never aim the beam at any person or an object other than the work piece.
• The laser beam shall not be deliberately aimed at personnel and shall be prevented from being directed towards the eye of a person for longer than 0.25s.
• Always ensure the laser beam is aimed at a sturdy work piece without reflective surfaces, ie. wood or rough coated surfaces are acceptable. Bright shiny reflective sheet steel or the like is not suitable for laser use as the reflective surface could direct the beam back at the operator.
• Do not change the laser light assembly with a different type. Repairs must only be carried out by the laser manufacturer or an authorised agent.
• Do not change the laser light assembly with a different type. Repairs must only be carried out by the laser manufacturer or an authorised agent.

⚠️ Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Please refer to the relevant Australian standards, AS 2397 and AS/NZS2211 for more information on Lasers.
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.

Always wear ear, eye and respiratory protection.

Conforms to relevant standards for electromagnetic compatibility.

Double insulated.

Instruction warning.

Instruction note.

Laser warning.
TRIGGER SWITCH

The trigger switch is only used in the conventional jigsaw mode, when the removable handle is fitted.
1. Pull up on the trigger switch (1) to turn the jigsaw on.

2. To turn off the tool, release the trigger switch.

⚠️ Allow the blade to come to a complete standstill before setting the jigsaw down.

LOCK “ON” BUTTON

The lock-on button eliminates the need to hold the trigger switch on during prolonged operation.
- With the trigger engaged in the “on” position slide the lock-on button (3) to the left or the right to lock the trigger switch “ON”.
- To release the lock-on engage and release trigger switch.

POWER SWITCH

⚠️ The power switch is only used in the barrel saw mode, when the removable handle (12) is removed from the jigsaw.

1. Push the power switch (2) forward and up over the latching ramp to lock the switch on.

2. To turn off the tool, press the back of the switch and lift it over the latching ramp.

⚠️ Allow the blade to come to a complete standstill before setting the jigsaw down.

BLADE GUARD

The blade guard (5) should always be in the down position when operating the jigsaw. It can be hinged fully up to allow access when changing blades.

BLADE GUIDE

- The blade guide (10) is adjustable to suit varying jigsaw blade widths. Use the hex key (7) to loosen the hex screw on the shoe bracket (9) and adjust the blade guide until the blade locates into the groove in the blade guide. Re-tighten the hex screw.
- Depending on the position of the pendulum lever, the blade guide remains stationary (non-pendulum) or oscillates backwards and forwards, causing the blade to cut with a pendulum action.

CHANGING THE BLADE

This jigsaw is fitted with a tool-free mechanism for fast and simple “T” and “U” shanked blade removal and fitting.

⚠️ Always ensure that the jigsaw is switched off and plug is removed from the power point before making any adjustments.

Removing the blade

1. Place your finger on the lower edge of the clear front blade guard (5) and pull forward. The front guard hinges forward and upwards to allow access to the blade.
2. Push the tool free blade change control (6) upwards towards the top of the unit, ensuring that your fingers do not contact the teeth of the blade.

3. With the blade change control up as far as it will go, the blade can now be removed by pulling on it, towards the base of the jigsaw.

Fitting a blade
1. Push the blade change control to its uppermost position, slide the blade into the locating groove in the blade clamp with the teeth pointing forward. Make sure that the back of the blade is located and supported by the blade guide (10).
2. Release the blade change control and the blade will secure firmly in place.
3. Re-engage the front blade guard.
4. Replace the plug and run the jigsaw under no load to check that it runs smoothly and the blade is secure before using it to cut any materials.

PENDULUM ADJUSTMENT
The blade can be set to produce a front to rear swinging (pendulum) action when cutting. This can increase the jigsaws cutting efficiency, depending on the material being cut. The pendulum action is functional on pendulum lever positions 3, 4 & 5 - the higher the setting the greater the pendulum action.

The scrolling control knob (20) must be positioned forward (with the arrow on the scrolling knob and jigsaw housing aligned) before the pendulum can be engaged. The blade guide (10) must also be positioned with the blade located in the guide roller groove.

• Rotate the pendulum lever (4) to the position that best suits the job, as follows:

1. SCROLLING - in all Materials allows manual 360° rotation of the blade using the scrolling knob (20).
2. SMOOTH - for cutting mild steel / soft materials / all materials with normal up and down blade motion with minimal splintering.
3. LOW - for cutting most metal.
4. MEDIUM - for cutting plastics, and hardwoods.
5. FAST - for maximum orbital action and faster cutting in plywood and soft woods.

SCROLLING CONTROL
The scrolling feature allows the blade to be rotated 360° for maximum blade control when cutting curves and intricate work.

Ensure you use a blade specifically intended for curve cutting (eg. scroll cutting blade) and do not place excess force when turning the blade as it may break.

1. Set the pendulum lever (4) to the position “I”.

The scrolling feature will not operate if the lever is positioned at 2, 3, 4 or 5.

2. With the tool disconnected from power turn the jigsaw upside down. Use the hex key (7) to loosen the hex screw securing the blade guide and jigsaw shoe plate (8) and slide the blade guide roller away from the blade as far as it will go - toward the back of the jigsaw. Retighten the hex screw.
3. During operation place one hand firmly on the hand grip, place your other hand on the scrolling control knob (20) and rotate it - using it to guide the blade along your cutting line.

4. To disengage the scroll function, to enable standard or pendulum action, rotate the scrolling control knob back to the forward position (with the arrows on the scrolling control and jigsaw housing aligned).

Re-engage the blade guide roller by loosening the hex screw and pushing it forward, as far as it will go. Re-tighten the hex screw.

The pendulum lever (4) can now be moved to the required position for straight, standard or pendulum cutting.

ANGLE ADJUSTMENT

The jigsaw shoe can be angled to enable bevel or chamfer cuts. There are preset bevel detents at 0° and 45° for quick adjustment.

Always ensure the tool is switched off and the plug is removed before making any adjustments or maintenance procedures.

1. With the jigsaw upside down on a solid surface use the hex key (7), stored at the base of the power cord, to loosen the hex screw securing the blade guide assembly and the shoe plate (8).

2. Move the shoe plate slightly back. It can now be tilted to the required angle (between 0° and 45°) using the angle scale (19) on the shoe plate.

3. Slide the shoe plate (8) until the blade guide (10) rests against the back of the blade.

4. Re-tighten the hex screw.

⚠️ For accurate work it is necessary to do a practise cut first. Check the cut and reset the angle until the correct cut is achieved.

⚠️ The blade guide (10) supports the blade when cutting and must always rest against the back of the blade, except when in scrolling mode. Adjust it as outlined under “Blade Guide”.

SPEED CONTROLLER

Adjusting the speed to suit the application enhances cutting performance and saves the blade from undue wear.

To determine optimum cutting speed first perform test cuts on offcuts of the workpiece to be cut.

Rotate the speed controller (11), located at the back of the jigsaw to set the blade speed.

Position “1” denotes the lowest speed.

Position “6” denotes the highest speed.
BARREL MODE
The jigsaw handle (12) can be removed for use as a barrel saw, to provide better control when using the scroll function, or if needing to use the jigsaw to cut non-horizontal workpieces.

- Remove the handle by simultaneously pressing in the handle release tabs (13) at the back of handle. The handle will then be free to slide backward and be removed from the tool.

- When using the jigsaw without the handle, slide the handle cap (14) into the slots in the back of the jigsaw and push fully home.

- To refit the handle remove the handle cap and slide the handle into position, aligning the metal locating plate into the slot at the back of the jigsaw housing. Push it fully forward until it locks positively in position.

The handle should be removed for storage in the carry case.

PARALLEL GUIDE
- Using the guide provides accurate parallel cuts, from an edge, without the need to mark and follow a pencil line.

- The parallel guide can be used on the left or the right of the blade. Locate the parallel guide locking knob (22) on the side that the fence will be used.

1. With the parallel guide locking knob (22) loosened slide the guide (21) into the mounting slots on the shoe plate, from either the left or right hand side.

2. Slide the fence to the required cut width and tighten the locking knob to secure it in position.

SIGHTING LIGHTS
This jigsaw is fitted with two forms of lighting to assist in maintaining accurate alignment with the cut line.

- Use the laser to assist in aligning the blade with the cut line during operation. The LED worklight produces broader lighting and is better used in low-lit conditions.

⚠️ WARNINGS
- Do not stare directly at the laser beam.
- Never aim the beam at any person or an object other than the work piece.
- Do not deliberately aim the beam at personnel and ensure that it is not directed towards the eye of a person for longer than 0.25s.
- Always ensure the laser beam is aimed at a sturdy work piece without reflective surfaces, i.e. wood or rough coated surfaces are acceptable. Bright shiny reflective sheet steel or the like is not suitable for laser use as the reflective surface could direct the beam back at the operator.

- Only turn laser beam on when tool is on workpiece.

1. To use the laser wait until you have commenced cutting then set the switch (16) to laser.
2. Maintain alignment of the beam and your cut line while slowly feeding the jigsaw through the cut.
3. The LED worklight can be switched on prior to commencement of work.
4. Switch off the light on completion of the cut.

SAFETY GLASSES
The safety glasses (15) supplied with this tool are designed to enhance vision of the laser sighting line.
They should be worn at all times, even if the laser sighting is not being used. Ear and respiratory protection should also be worn.

DUST CONTROL SWITCH
The dust control switch can be set to "Vacuum" for dust extraction or to "Blower" if you want the saw dust blown away from the cut area - aiding in visibility of your cut line.

• Turn the dust control switch (17) to the desired operation.
  
• If using the "vacuum" setting, connect the dust port to your dust extraction system or vacuum cleaner using a standard vacuum cleaner hose.
  
  Do not use a dust extraction system or a vacuum cleaner when cutting metal. Sparks may ignite residual wood dust.
  
  When not being used the dust port (18) can be disconnected from the jigsaw shoe by pressing down on the thumb tab and pulling it out from the shoe.

GENERAL CUTTING

Ensure that the blade is the correct type for the application and that the length extends through the workpiece on the upstroke of the cut.
1. Determine how the jigsaw is best configured for the job whether the job (handle on or off / scrolling function on or off / pendulum action on or off) and make the required adjustment.
2. Switch on the jigsaw and allow the blade to reach maximum speed.
3. Slowly guide the jigsaw forward, building up speed as you go, with one hand on the handle and the other on the scrolling knob, keeping the shoe plate flat against the work piece.
4. Do not force the jigsaw.

Use only enough pressure to keep the blade cutting. Do not force the cutting, allow the blade and the saw to do the work.

POCKET & CURVE CUTTING
1. When starting a cut from the centre of a work piece, drill a 8mm diameter hole to ensure that there is clearance for the blade.
2. When cutting tight curves, reduce the cutting feed rate and regularly back the blade away from the cut, then re-cut - this will assist in maintaining an accurate cut.

Do not move the saw forward along its cut until the blade has completely entered the material and the shoe comes to rest on its surface.

METAL CUTTING
• When cutting metal ALWAYS clamp down the metal workpiece.
• Be extremely careful to move the saw
very slowly as you cut. Use slower speeds (Position 1, 2 or 3 on the Variable Speed Control). DO NOT twist, bend or force the blade.

- When cutting metals, a suitable cooling/cutting oil must be used. Squirt the lubricant onto the blade or workpiece at regular intervals during cutting in order to reduce wear on the blade.
- If the saw jumps or bounces as you cut, change to a blade with finer teeth.
- If the blade begins to clog when cutting soft metal, change to a blade with coarser teeth.
- For easier cutting, lubricate the blade with a stick of cutting wax (if available) or cutting oil when cutting steel.
- Thin metal should be sandwiched between two pieces of wood or tightly clamped on a single piece of wood (wood on top of the metal). Draw the cut lines or design on the top piece of wood.
- When cutting aluminum extrusion or angle iron, clamp the work in a bench vice and saw close to the vice jaws.
- When sawing tubing with a diameter larger than the blade is deep, cut through the wall of the tubing and then insert the blade into the cut, rotating the tube as you saw.

**PARALLEL CUTS**

Parallel cuts can be achieved using the parallel guide (21) or by clamping a straight edge to your workpiece.

- Fit the parallel guide to the jigsaw shoe and position the guide against the edge of the workpiece. Slide the jigsaw along until the blade lines up with your cut line and tighten the guide locking knobs.
- Ensure that the guide remains evenly against the edge of the workpiece while cutting.
- If the guide does not allow enough distance to achieve your cut, clamp a straight batten onto the workpiece, positioning it until that the blade aligns with the cut line. Ensure the jigsaw shoe remains evenly against the batten during the cut.

**SERVICE**

- Any damage to the jigsaw should be repaired and carefully inspected before use, by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- Servicing should only be carried out by authorised Triton Repair Centres using original Triton replacement parts. Use of unauthorised or faulty parts may create a risk of electric shock or injury.
- Triton Manufacturing & Design Co. will not be responsible for any damage or injury caused by unauthorised repair of the router or by mishandling of the tool.

**POWER CORD MAINTENANCE**

If the supply cord needs replacing, the task must be carried out by the manufacturer, the manufacturer’s agent, or an authorised service centre in order to avoid a safety hazard.
WARRANTY

To register your warranty complete the Warranty Registration Card enclosed with this product and return it to your local Triton office, as listed below, within 28 days of purchase.

Your details will be included on our mailing list for information on future releases. Details provided will not be made available to any third party.

PURCHASE RECORD

Date of Purchase: __/__/____

Model: TJS001

Serial Number: ____________________________

(Located on motor label)

Retain your receipt as proof of purchase

Triton Manufacturing & Design Co. warrants to the purchaser of this product that if any part proves to be defective due to faulty materials or workmanship within 12 MONTHS from the date of original purchase, Triton will repair, or at its discretion replace, the faulty part free of charge.

This warranty does not apply to commercial use nor does it extend to normal wear and tear or damage as a result of accident, abuse or misuse.

If product is faulty or requires service please phone 1 300 655 686 for referral to your nearest authorised Triton Repair Centre. Warranty does not include any freight to and from the user. If outside of Australia, please contact your nearest Triton office (details below) for arrangements to repair or replace the product.

TRITON OFFICES

Australia:
Triton Manufacturing & Design Co.
45-55 South Centre Rd,
Melbourne Airport Vic. 3045
Ph: (03) 9584 6977
Fax: (03) 9584 5510

Canada:
Triton Woodworking Systems
PO Box 523
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Ph: 1 888 874 8661
Fax: (613) 938 8089

South Africa:
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Wolgemoed 7538
Ph: 0800 600432
Fax: (021) 987 6073

United Kingdom:
Triton Workshop Systems (UK) Ltd
Pontygwindy Industrial Estate
Caerphilly South Wales, CF83 3HU
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Fax: (029) 2085 0118

USA:
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PO Box 794 Roosevelttown,
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Fax: (613) 938 8089

Japan:
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195 - 1 Kanaido SOJA-shi
Okayama Ken 719-1114
Ph: (0866) 90 1415
Fax: (0866) 90 1417

New Zealand:
Triton Manufacturing & Co
Ph: 0508 874 866
Fax: 0508 3944557
TJS001 Warranty Registration Card

Mr / Ms / Mrs

Address

Postcode

Ph: (Private) ( )

Ph: (Business) ( )

☐ I don't wish to be included on your mailing list.

Serial No: ___________________ Purchase date: / /

Retailer: ______________________

Age: ☐ Under 25 ☐ 25-35 ☐ 36-45 ☐ 46-55 ☐ 56-65 ☐ Over 65

Occupation: __________________________

Please list any other Triton products you own:

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Comments/Suggestions

Our aim is to provide innovative quality products which are excellent value for money. If you have any comments on how we can improve our products or service, please let us know.

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