

Tacklife PES01A

Tacklife PES01A Circular Saw User Manual

Model: PES01A

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1. INTRODUCTION

Thank you for choosing the Tacklife PES01A Circular Saw. This powerful and versatile tool is designed for efficient and precise cutting of various materials, including wood and plastic. Featuring a robust 1500W motor, laser guide, and adjustable cutting capabilities, it is an ideal tool for both professional and DIY projects. Please read this manual thoroughly before operation to ensure safe and effective use of your new circular saw.



## 2. GENERAL SAFETY INSTRUCTIONS

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Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

### 2.1. Work Area Safety

- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### 2.2. Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.
- 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.

### 2.3. Personal Safety

- Always wear eye protection. Use safety glasses or goggles.
- Wear hearing protection when operating the tool for extended periods.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.
- Use safety clamps or a vise to secure the workpiece. This is safer than using your hand and it frees both hands to operate the tool.

### 2.4. Circular Saw Specific Safety

- Keep hands away from the cutting area and the blade. Keep your second hand on the auxiliary handle, or motor housing. If both hands are holding the saw, they cannot be cut by the blade.
- Do not reach underneath the workpiece. The guard cannot protect you from the blade below the workpiece.
- Adjust the cutting depth to the thickness of the workpiece. Less than a full tooth of the blade should be visible below the workpiece.
- Never hold the workpiece in your hands or across your leg while cutting. Secure the workpiece to a stable platform.
- Hold the power tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring or its own cord.
- Always ensure the lower guard is closed before placing the saw down.

## 3. COMPONENTS AND FEATURES

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Familiarize yourself with the parts of your Tacklife PES01A Circular Saw before operation.

## Structure métallique avec le moteur de conducteur en cuivre



Figure 3.1: Key components of the circular saw.

1. **Powerful Motor:** Ensures good heat dissipation.
2. **Laser Switch:** Activates the laser guide.
3. **3M Power Cord & Cable Tie:** Convenient for storage and use.
4. **Double Safety Switch:** Requires pressing both buttons to start, preventing accidental injury.
5. **Rubberized Handle:** For comfortable and secure grip.
6. **Support Handle:** Provides additional control.
7. **Aluminum Alloy Cover:** Durable housing.
8. **Iron Base Plate:** Sturdy base for cutting.
9. **Iron Blade Guard:** Protects the blade.

### Included Accessories:

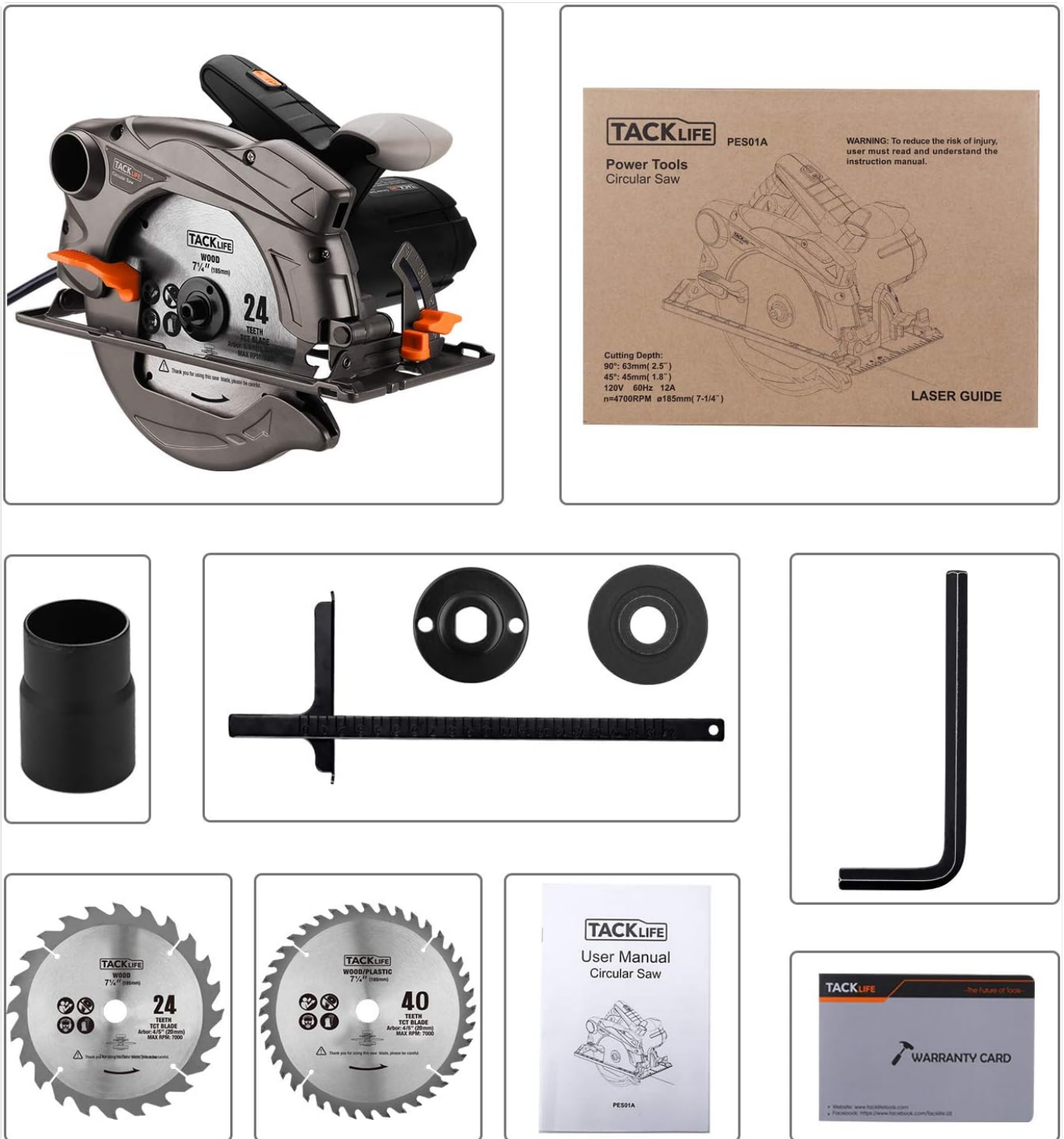


Figure 3.2: Standard accessories included with the saw.

- 1 x Tacklife PES01A Circular Saw
- 1 x 185mm 24-Tooth TCT Blade (for wood/plastic)
- 1 x 185mm 40-Tooth TCT Blade (for wood/plastic)
- 1 x Hex Wrench (for blade changes)
- 1 x Parallel Guide Ruler
- 1 x Dust Port Adapter (35mm diameter)
- 1 x User Manual
- 1 x Warranty Card

## 4. SETUP AND ASSEMBLY

## 4.1. Blade Installation/Removal

1. Ensure the saw is unplugged from the power source before attempting any blade changes.
2. Press and hold the spindle lock button.
3. Using the hex wrench, loosen the blade bolt by turning it counter-clockwise.
4. Lift the lower blade guard and carefully remove the old blade.
5. Place the new blade onto the spindle, ensuring the teeth are pointing in the direction of the arrow on the saw's guard.
6. Replace the blade bolt and tighten it securely with the hex wrench while holding the spindle lock button.
7. Release the spindle lock and check that the blade rotates freely and the guard moves smoothly.

## 4.2. Attaching the Parallel Guide Ruler

The parallel guide ruler helps achieve straight cuts parallel to the edge of the workpiece.

1. Slide the guide ruler into the slot on the front of the saw's base plate.
2. Adjust the ruler to the desired cutting width.
3. Tighten the locking screw to secure the ruler in place.

## 4.3. Connecting Dust Extraction

For a cleaner work environment, connect a vacuum cleaner to the dust port.

- Attach the 35mm dust port adapter to the dust outlet on the saw.
- Connect your vacuum cleaner hose to the adapter.

# 5. OPERATING INSTRUCTIONS

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## 5.1. Adjusting Cutting Depth

The cutting depth can be adjusted to match the thickness of your material. The maximum cutting depth at 90° is 65mm (2.5 inches).





## Performance de coupe réglable

La capacité de biseau de 45 ° permet une multitude d'applications



Figure 5.1: Adjusting cutting depth for straight and bevel cuts.

1. Loosen the depth adjustment lever located at the rear of the saw.
2. Raise or lower the base plate to the desired cutting depth. Ensure only a small portion of the blade teeth extends below the workpiece.
3. Tighten the depth adjustment lever firmly.

### 5.2. Adjusting Bevel Angle (Miter Cut)

The saw can make bevel cuts up to 45°. The maximum cutting depth at 45° is 45mm (1.8 inches).

1. Loosen the bevel adjustment knob/lever at the front of the saw.
2. Tilt the base plate to the desired angle (0° to 45°).
3. Tighten the bevel adjustment knob/lever securely.

### 5.3. Using the Laser Guide

The integrated laser guide provides a visual line for precise cutting.



## Laser & Rip de Référence Graduée

Rendre la ligne de coupe droite



Figure 5.2: The laser guide assists in making straight cuts.

- Locate the laser switch on the saw.
- Flip the switch to turn the laser on. A red laser line will project onto your workpiece, indicating the cutting path.
- Align the laser line with your marked cut line on the material.
- Turn off the laser when not in use to conserve battery (if applicable) or prevent accidental activation.

### 5.4. Making a Cut

Always ensure the workpiece is securely clamped before cutting.





Figure 5.3: Cutting a wooden board with the circular saw.





Figure 5.4: Cutting a plastic sheet with the circular saw.



### **Livrer avec des lames de scie adaptées, appliquer aux plusieurs matériaux**

Figure 5.5: Cutting a metal profile with the circular saw (ensure appropriate blade is used).

1. Plug the saw into a suitable power outlet.
2. Hold the saw firmly with both hands, ensuring a stable grip on the main and auxiliary handles.
3. To start the saw, press the double safety switch (requires pressing both buttons simultaneously for safety).
4. Allow the blade to reach full speed before beginning the cut.
5. Guide the saw smoothly and steadily along your marked line. Do not force the saw; let the blade do the work.
6. Maintain a consistent feed rate.
7. Once the cut is complete, release the trigger and allow the blade to stop completely before lifting the saw from the workpiece.
8. Unplug the saw after use.

## **6. MAINTENANCE**

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Regular maintenance ensures the longevity and safe operation of your circular saw.

### **6.1. Cleaning**



- Always unplug the saw before cleaning.
- Use a soft brush or compressed air to remove dust and debris from the motor vents and blade guard.
- Wipe down the exterior of the saw with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the base plate clean to ensure smooth gliding over the workpiece.

### 6.2. Blade Care

- Inspect blades regularly for dullness, cracks, or missing teeth. Replace damaged blades immediately.
- Clean resin and pitch buildup from blades using a suitable blade cleaner.
- Store blades properly to prevent damage and corrosion.

### 6.3. Storage

- Store the saw in a dry, secure location out of reach of children.
- Protect the power cord from damage during storage.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your circular saw.

Problem	Possible Cause	Solution
Saw does not start.	No power supply; Safety switch not engaged; Faulty power cord.	Check power outlet and circuit breaker; Ensure both safety switch buttons are pressed; Inspect power cord for damage.
Blade not cutting smoothly or burning wood.	Dull or dirty blade; Incorrect blade for material; Overfeeding the saw.	Replace or clean blade; Use appropriate blade for the material; Reduce feed rate.
Excessive vibration.	Loose blade; Damaged blade; Worn bearings.	Tighten blade bolt; Replace blade; Contact customer support if bearings are suspected.
Laser guide not working.	Laser switch off; Laser lens dirty; Laser module faulty.	Turn on laser switch; Clean laser lens; Contact customer support.
Dust collection is poor.	Dust port clogged; Vacuum not powerful enough; Hose not properly connected.	Clear dust port; Use a more powerful vacuum; Ensure hose is securely attached.

## 8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	PES01A
Power Input	1500 W
Voltage	230 Volts
No-Load Speed	4700 RPM
Blade Diameter	185 mm (7-1/4 inches)



Feature	Specification
Max. Cutting Depth (90°)	65 mm (2.5 inches)
Max. Cutting Depth (45°)	45 mm (1.8 inches)
Bevel Capacity	0° - 45°
Weight	4.9 kg (10.8 lbs)
Laser Guide	Yes
Dust Port Diameter	35 mm

## 9. WARRANTY AND SUPPORT

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Tacklife products are manufactured to high-quality standards and are warranted against defects in materials and workmanship. Please refer to the included warranty card for specific terms and conditions, including the warranty period and registration process.

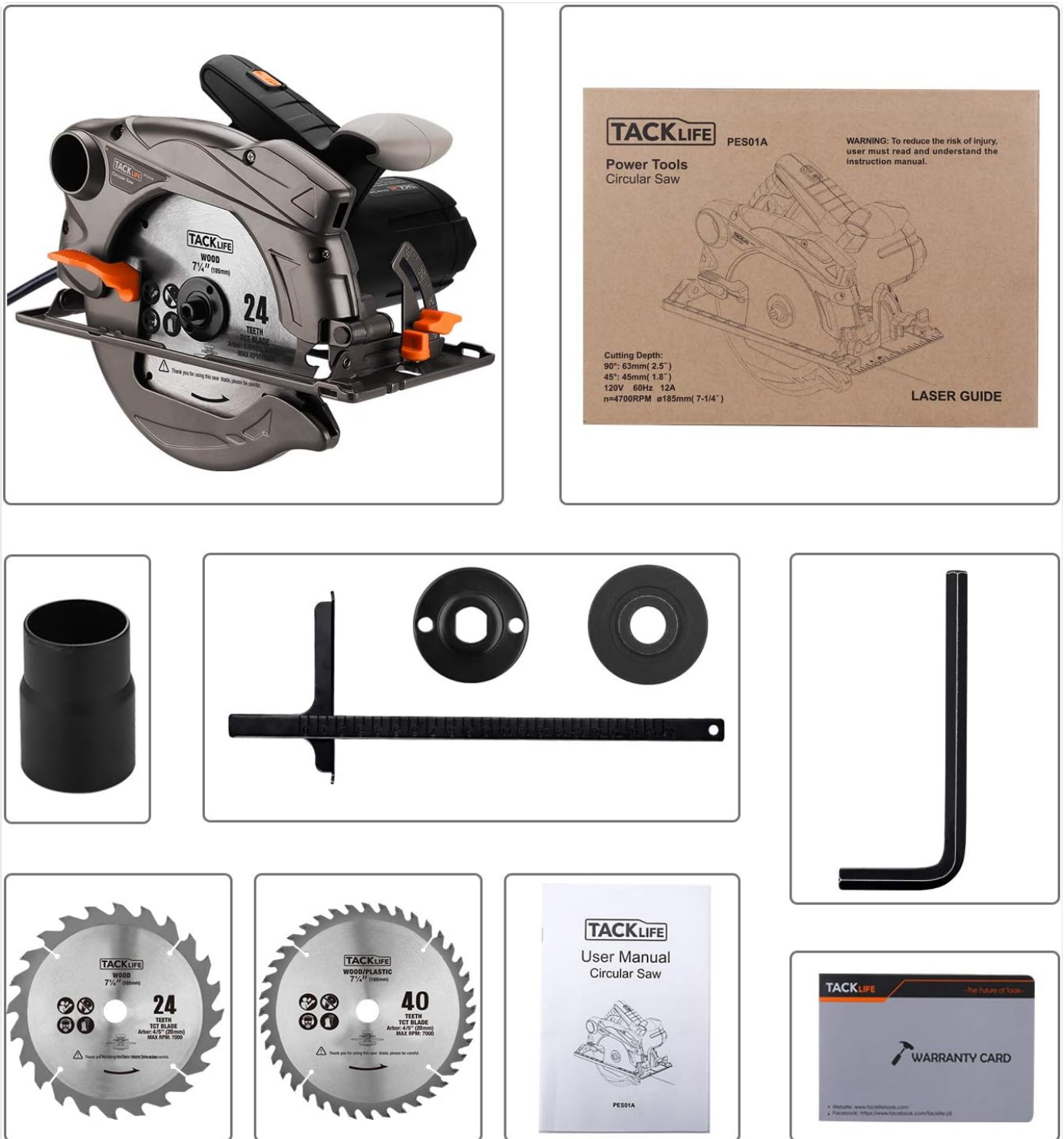


Figure 9.1: Example of included warranty card.

## Customer Support:

For technical assistance, troubleshooting, or warranty claims, please contact Tacklife customer support. Contact information can typically be found on the warranty card or the official Tacklife website.

- **Website:** [www.tacklife.com](http://www.tacklife.com) (Please check the official website for the most up-to-date contact information.)
- **Email:** Refer to your warranty card or product packaging.

When contacting support, please have your product model (PES01A) and purchase date ready.

