

## Einhell TC-JS 80

# Einhell TC-JS 80 600W Jigsaw Instruction Manual

**Model:** TC-JS 80 | **Brand:** Einhell

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Einhell TC-JS 80 600W Jigsaw. Please read this manual thoroughly before using the tool and keep it for future reference.

The Einhell TC-JS 80 is a powerful jigsaw designed for various cutting tasks. It features an adjustable 4-position pendulum function and electronic speed control for adapting to different materials. Its design includes dust extraction capability and a rotating saw shoe for miter cuts up to 45°.

## 2. SAFETY INSTRUCTIONS

### General Power Tool Safety Warnings:

- Always wear eye protection and hearing protection when operating the jigsaw.
- 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Ensure the power cord is not damaged and is kept away from heat, oil, sharp edges, or moving parts.
- Always unplug the tool from the power source before making any adjustments, changing accessories, or storing the tool.
- Secure the workpiece. Use clamps or a vise to hold the workpiece firmly.
- Do not overreach. Keep proper footing and balance at all times.
- Use the correct tool for your application. Do not force the tool.
- Maintain tools with care. Keep cutting tools sharp and clean.
- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.

### Specific Jigsaw Safety Warnings:

- Hold the tool by insulated gripping surfaces when performing an operation where the cutting accessory may

contact hidden wiring or its own cord.

- Use clamps or another practical way to secure and support the workpiece to a stable platform.
- Ensure the blade is sharp and suitable for the material being cut.
- Do not touch the blade immediately after use, as it may be hot.

### 3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the various parts of your Einhell TC-JS 80 Jigsaw.

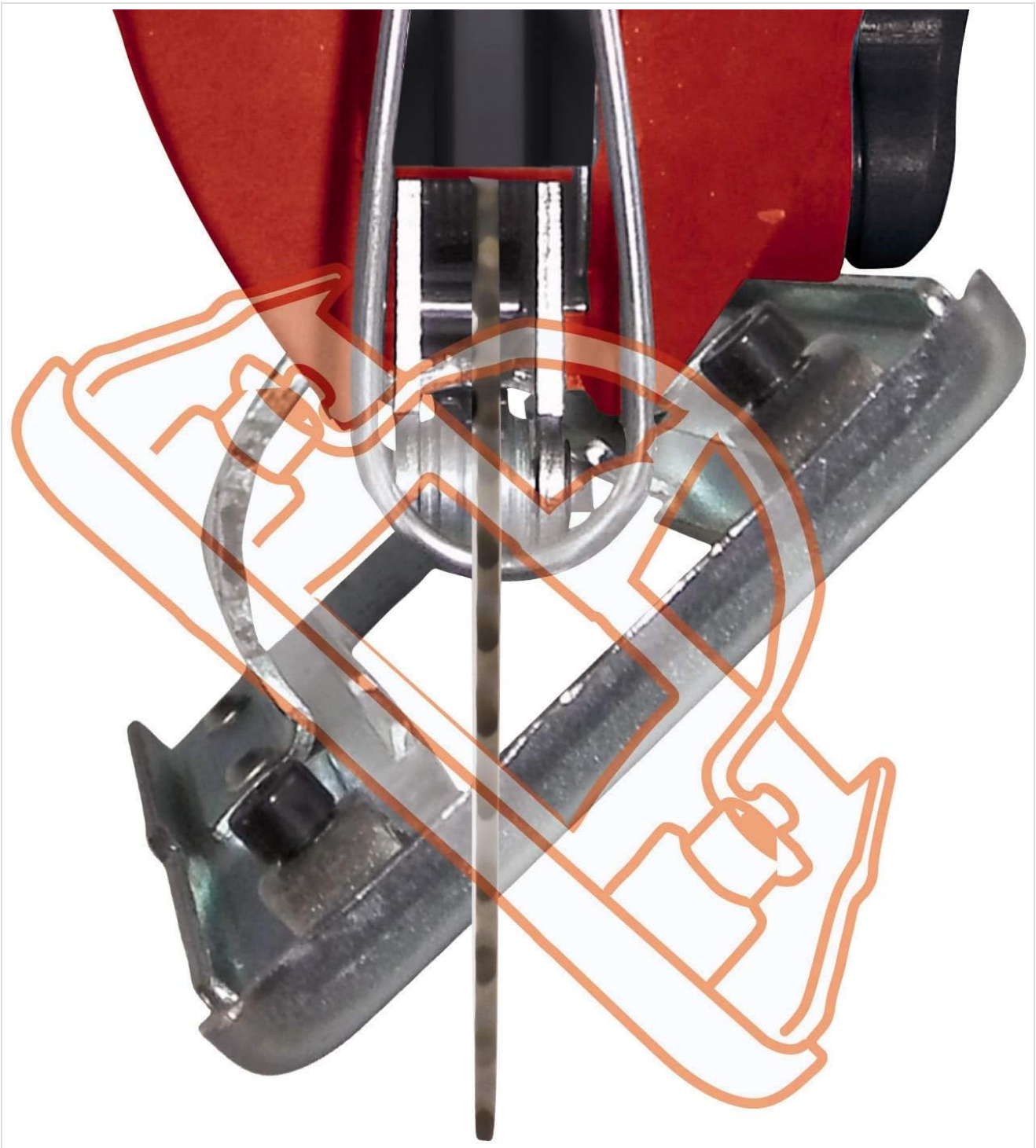


*Figure 3.1: Overall view of the Einhell TC-JS 80 Jigsaw.*

This image shows the complete jigsaw unit, highlighting its compact design and the attached saw blade with a parallel guide for precise cuts.

- **Handle:** Ergonomically designed for comfortable grip.
- **On/Off Switch:** Located on the handle for easy access.
- **Speed Control Dial:** Allows adjustment of cutting speed.

- **Pendulum Function Selector:** Adjusts the blade's orbital action for faster or finer cuts.
- **Saw Blade Clamp:** Secures the saw blade in place.
- **Base Plate (Saw Shoe):** Supports the tool on the workpiece and can be angled for miter cuts.
- **Dust Extraction Port:** For connecting a dust extraction system.
- **Parallel Guide:** Assists in making straight cuts parallel to an edge.



*Figure 3.2: Detail of the blade clamping mechanism.*

This image provides a closer look at the area where the saw blade is inserted and secured, including the blade guide roller.



*Figure 3.3: Ergonomic handle design.*

This image highlights the comfortable, non-slip grip of the jigsaw's handle, designed for user comfort during operation.



*Figure 3.4: Speed control dial.*

This image shows the dial used to adjust the electronic speed control, allowing the user to select the appropriate cutting speed for different materials.

## 4. SETUP

### 4.1. Installing the Saw Blade

1. Ensure the jigsaw is unplugged from the power source.
2. Locate the hex lock/Allen key for the blade clamp.
3. Loosen the screw on the blade clamp using the Allen key.
4. Insert the saw blade into the blade clamp with the teeth facing forward.
5. Ensure the back of the blade fits into the guide roller.
6. Tighten the screw firmly to secure the blade. Do not overtighten.

### 4.2. Adjusting the Base Plate for Miter Cuts

The base plate can be angled up to 45° for miter cuts.

1. Unplug the jigsaw.
2. Loosen the screws that secure the base plate to the main body of the jigsaw.



3. Tilt the base plate to the desired angle (up to 45° left or right). Use a protractor for accuracy if needed.
4. Tighten the base plate screws securely.



*Figure 4.1: Flexible cuts up to 45 degrees.*

This graphic demonstrates the capability of the jigsaw to perform angled cuts by tilting its base plate up to 45 degrees in either direction.

## 5. OPERATING INSTRUCTIONS

### 5.1. Powering On/Off

- To turn on the jigsaw, press the On/Off switch.
- To turn off, release the On/Off switch.

### 5.2. Adjusting Speed

The electronic speed controller allows you to adjust the cutting speed based on the material and desired finish.

- Rotate the speed control dial (Figure 3.4) to increase or decrease the blade strokes per minute.

- Lower speeds are generally used for harder materials or for more precise cuts.
- Higher speeds are suitable for softer materials and faster cutting.



*Figure 5.1: Speed vs. Exact cutting.*

This graphic illustrates the difference between high-speed cutting (for quick material removal) and exact cutting (for precision), which can be controlled by the electronic speed setting.

### 5.3. Using the Pendulum Function

The 4-position pendulum function controls the orbital action of the blade, affecting cutting speed and finish.

- **Position 0 (No Pendulum):** For fine cuts, cutting thin materials, or cutting metal. The blade moves straight up and down.
- **Positions I, II, III (Increasing Pendulum):** For faster cutting in wood and other soft materials. The blade moves in an elliptical motion, clearing chips more aggressively.
- Adjust the pendulum selector lever to the desired position.



*Figure 5.2: Pendulum function settings.*

This graphic visually explains how the pendulum function alters the blade's movement, from a straight up-and-down motion to an orbital motion, for varying cutting speeds and finishes.

#### **5.4. Dust Extraction**

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

- Attach a suitable vacuum cleaner hose to the dust extraction port at the rear of the jigsaw.
- Ensure the connection is secure before operating the tool.

### **6. MAINTENANCE**

Regular maintenance ensures the longevity and optimal performance of your jigsaw.

#### **6.1. Cleaning**

- Always unplug the tool before cleaning.
- Clean the ventilation slots regularly to prevent overheating.



- Remove dust and debris from the blade area and base plate after each use.
- Use a soft brush or compressed air for cleaning. Do not use solvents or abrasive cleaners.

### 6.2. Blade Replacement

Replace dull or damaged saw blades promptly to ensure efficient and safe cutting. Refer to Section 4.1 for blade installation steps.

### 6.3. Storage

- Store the jigsaw in a dry, secure place out of reach of children.
- Ensure the power cord is neatly coiled and not kinked.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Jigsaw does not start.	No power supply; damaged cord; faulty switch.	Check power outlet and cord. If cord or switch is damaged, seek professional repair.
Blade not cutting efficiently or binding.	Dull or incorrect blade; incorrect speed/pendulum setting; forcing the tool.	Replace blade; adjust speed and pendulum setting for material; do not force the tool.
Excessive vibration.	Loose blade; damaged blade; worn internal components.	Ensure blade is securely clamped. Replace damaged blade. If problem persists, seek professional repair.
Motor overheating.	Blocked ventilation slots; continuous heavy use.	Clean ventilation slots. Allow tool to cool down during prolonged use.

## 8. SPECIFICATIONS

Feature	Detail
Brand	Einhell
Model	TC-JS 80
Power Source	Corded Electric
Wattage	600 watts
Voltage	230 Volts
Item Weight	2.1 Kilograms (4.62 pounds)
Blade Length	80 Millimeters
Cutting Angle	45 Degrees (max)
Special Feature	Adjustable pendulum stroke (4-fold) for fast cutting
Included Components	Jigsaw, saw blade for wood, parallel stop, Allen key






## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Einhell customer service directly. Keep your proof of purchase for warranty claims.

**EU Spare Part Availability Duration:** 1 Year

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### Related Documents - TC-JS 80

	<p><a href="#">Einhell TC-JS 18/70 Li Akku-Stichsäge: Betriebsanleitung &amp; Sicherheitshinweise</a></p> <p>Umfassende Anleitung für die Einhell TC-JS 18/70 Li Akku-Stichsäge. Erfahren Sie alles über Bedienung, Sicherheit, Wartung und technische Daten dieses leistungsstarken kabellosen Werkzeugs.</p>
	<p><a href="#">Einhell TP-JS 18135-LI-BL-SOLO Cordless Jigsaw Parts Diagram</a></p> <p>Technical service diagram and parts list for the Einhell TP-JS 18135-LI-BL-SOLO cordless jigsaw, detailing all components for assembly and maintenance.</p>
	<p><a href="#">Einhell TC-JS 80/1 Stichsäge: Bedienungsanleitung &amp; Sicherheitshinweise</a></p> <p>Die Einhell TC-JS 80/1 ist eine leistungsstarke Stichsäge mit 550 Watt, ideal für präzise Schnitte in Holz, Kunststoff und Metall. Dieses Handbuch bietet detaillierte Bedienungsanleitungen, Sicherheitshinweise und technische Daten für den effektiven und sicheren Einsatz des Werkzeugs.</p>
	<p><a href="#">Einhell TE-JS 18/100 Li Akku-Stichsäge Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für die Einhell TE-JS 18/100 Li Akku-Stichsäge. Enthält Sicherheitshinweise, Bedienungsanleitungen, technische Daten und Wartungsinformationen für Heimwerker.</p>
	<p><a href="#">Einhell TC-TC 800 Fliesenschneidmaschine Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für die Einhell TC-TC 800 Fliesenschneidmaschine. Enthält Sicherheitshinweise, technische Daten, Montage-, Betriebs- und Wartungsanleitungen sowie Garantieinformationen.</p>



[Einhell TC-SY 400 P / TC-SY 500 P Farbsprühpistole Bedienungsanleitung](#)

Finden Sie die offizielle Bedienungsanleitung für die Einhell Farbsprühpistolen TC-SY 400 P und TC-SY 500 P. Enthält Sicherheitshinweise, technische Daten, Bedienungsanleitungen und Wartungstipps.