

## Einhell TC-TC 800

# Einhell TC-TC 800 Tile Cutter Instruction Manual

Model: TC-TC 800

## 1. PRODUCT OVERVIEW

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The Einhell TC-TC 800 Tile Cutter is designed for precise and efficient cutting of wall and floor tiles. This robust tool is suitable for various home renovation projects, offering clean cuts with minimal dust thanks to its water cooling system.

### Key Features:

- **Robust Stainless Steel Table:** Measuring 395 x 385 mm, it is easy to clean and features an angular scale up to 45° with non-slip feet for stable operation.
- **Precise Cutting Guide:** Ensures exact and straight cuts. The angle stop is adjustable from -45° to +45° for miter cuts.
- **Integrated Water Reservoir:** Provides necessary water cooling for the saw blade, protecting it from heat damage.
- **Cutting Capacity:** Maximum cutting height of 14 mm at 45° and 34 mm at 90°.
- **Safety Guard:** A protective guard for the cutting disc ensures user safety from chips and dust.

## 2. SAFETY INSTRUCTIONS

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Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

### General Safety Warnings:

- Wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away while operating the tool.
- Never operate the tool if the power cord or plug is damaged.
- Always disconnect the power supply before making any adjustments, changing accessories, or performing

maintenance.

- Use the correct blade for the material being cut.
- Ensure the water reservoir is adequately filled before operation to prevent overheating of the blade.

### 3. COMPONENTS OVERVIEW

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Familiarize yourself with the main components of your Einhell TC-TC 800 Tile Cutter:

- Cutting Table (Stainless Steel)
- Diamond Cutting Disc (180 mm diameter)
- Motor Unit
- Water Reservoir
- Cutting Guide with Scale
- Angle Stop (-45° to +45°)
- Blade Guard
- On/Off Switch
- Carrying Handle



Figure 1: Overview of the Einhell TC-TC 800 Tile Cutter with its main parts.

### 4. SETUP

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Before operating the tile cutter, ensure proper setup for safety and optimal performance.

#### 4.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect the tool for any signs of damage during transit. Do not operate if damaged.

3. Ensure all listed components are present.

## 4.2 Filling the Water Reservoir

The integrated water reservoir is essential for cooling the diamond cutting disc and reducing dust.

1. Locate the water reservoir beneath the cutting table.
2. Fill the reservoir with clean water to the indicated level. Ensure the water pump is submerged.
3. Regularly check the water level during operation and refill as needed.

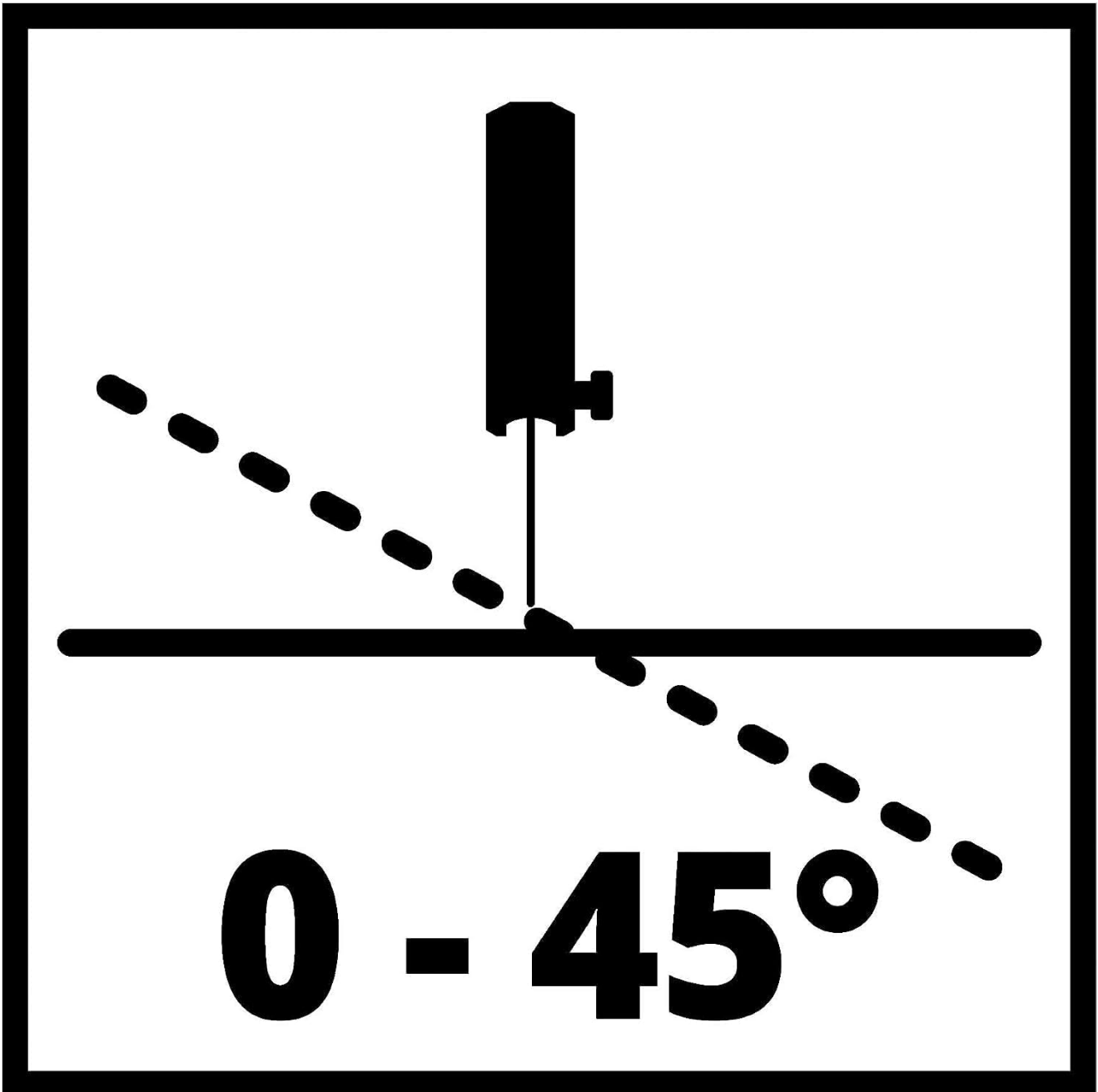


Figure 2: Filling the water reservoir for wet cutting.

## 4.3 Adjusting the Cutting Guide and Angle Stop

For accurate cuts, adjust the cutting guide and angle stop as required.

1. The cutting guide with scale ensures straight cuts. Position it according to your desired measurement.
2. For miter cuts, adjust the angle stop between  $-45^{\circ}$  and  $+45^{\circ}$ . Secure it firmly before cutting.



Figure 3: Adjustable angle stop for miter cuts.

## 5. OPERATING INSTRUCTIONS

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Follow these steps for safe and effective tile cutting.

### 5.1 Powering On/Off

1. Connect the tile cutter to a suitable power outlet (240 Volts).
2. To turn on, press the green 'ON' button.
3. To turn off, press the red 'OFF' button.

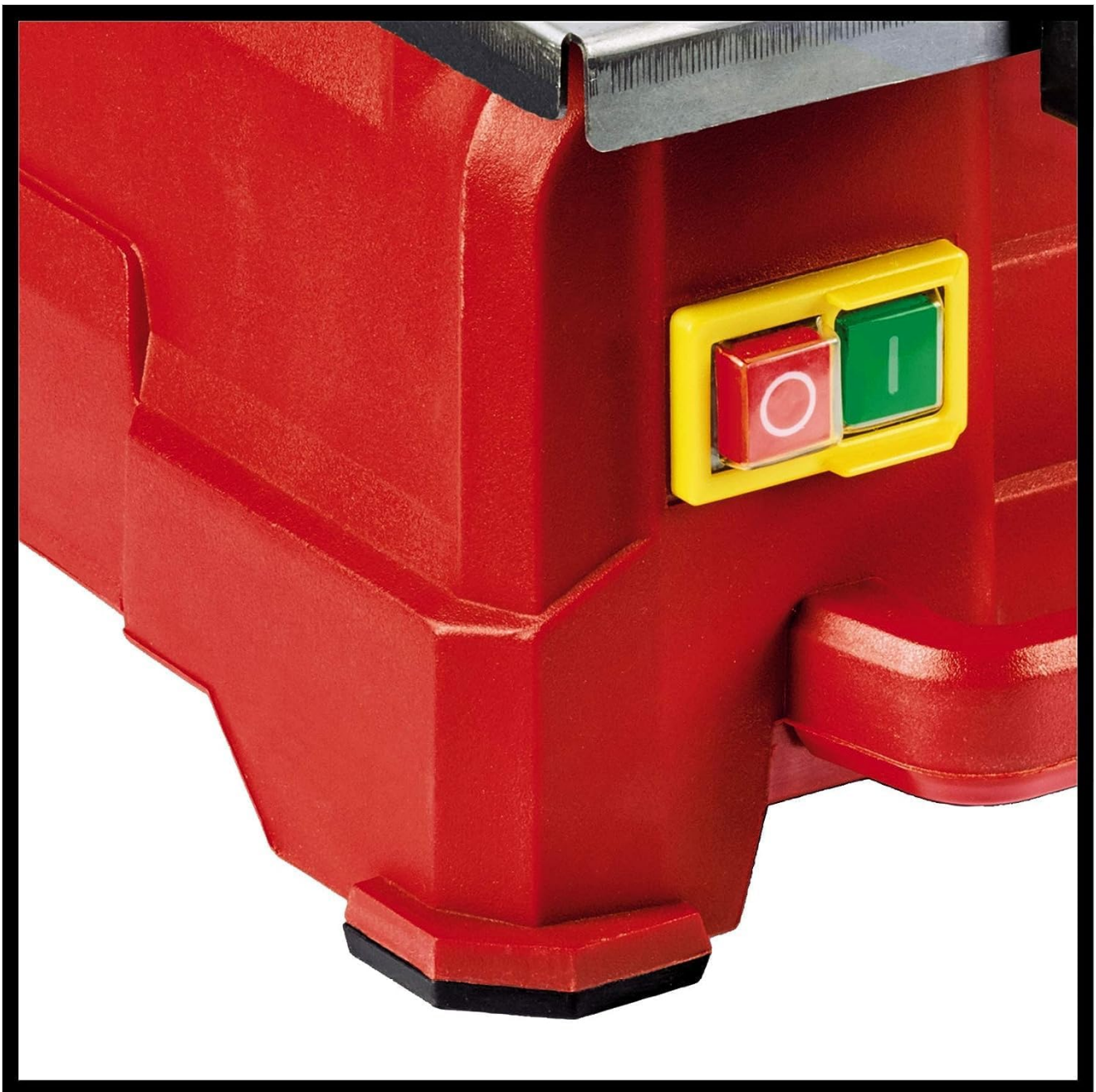


Figure 4: Power switch for turning the machine on and off.

## 5.2 Making a Cut

1. Place the tile firmly on the stainless steel cutting table, aligning it with the cutting guide or angle stop as desired.
2. Ensure the water pump is active and water is flowing to the blade.
3. Turn on the tile cutter.
4. Slowly and steadily push the tile through the rotating diamond blade. Avoid excessive force.
5. Once the cut is complete, turn off the tile cutter and wait for the blade to stop before removing the tile.



Figure 5: Demonstrating a tile being cut with the machine.

### 5.3 Official Product Video: How to Use

Video 1: This video demonstrates the basic operation and usage of a tile cutter, including setup and cutting techniques.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and performance of your tile cutter.

### 6.1 Cleaning the Water Reservoir

After each use, clean the water reservoir to prevent buildup of tile dust and debris.

1. Disconnect the power supply.
2. Remove the cutting table or access panel to reach the reservoir.
3. Empty the dirty water and thoroughly clean the reservoir with fresh water.
4. Reassemble the components.

### 6.2 Blade Replacement

Replace the diamond cutting disc when it becomes dull or damaged.

1. Ensure the tool is unplugged.
2. Use the provided tool to loosen the blade retaining nut.
3. Carefully remove the old blade and install the new 180 mm diamond cutting disc, ensuring it is correctly oriented.
4. Tighten the retaining nut securely.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your tile cutter.

| Problem                                   | Possible Cause   | Solution  |
|---|--|---|
| Poor cut quality (chipping, uneven edges) | Dull or incorrect blade; insufficient water cooling; pushing too fast. | Replace blade with a suitable diamond disc; ensure water reservoir is full and pump is working; reduce feeding speed.                 |
| Water overflow from table                 | Water channels blocked; reservoir too full; uneven surface.            | Clean water channels; do not overfill reservoir; ensure the machine is on a level surface.  |
| Machine does not start                    | No power supply; faulty switch; motor issue.                           | Check power connection and circuit breaker; test the power outlet; contact customer support if switch or motor is faulty.             |
| Rusted screws/components                  | Lack of proper drying/maintenance after wet use.                       | Regularly clean and dry all metal components after use. Apply a rust preventative lubricant (e.g., WD-40) to screws and moving parts. |

## 8. SPECIFICATIONS

| Feature                        | Detail  |
|--------------------------------|---|
| Brand                          | Einhell   |
| Model Number                   | 4301185   |
| Power                          | 800 Watts                                       |
| Voltage                        | 240 Volts                                       |
| Speed                          | 2950 RPM  |
| Diamond Cutting Disc Diameter  | 180 mm  |
| Max. Cutting Height (90°)      | 34 mm   |
| Max. Cutting Height (45°)      | 14 mm   |
| Angle of Cut                   | 45 Degrees                                      |
| Table Dimensions (L x W)       | 39.6 cm x 38.5 cm                               |
| Product Dimensions (L x W x H) | 39.6l. x 38.5an. x 25.5al. centimeters          |
| Product Weight                 | 9.1 Kilograms                                   |
| Power Source                   | Electric with cord                              |
| Special Features               | Adjustable angle stop, parallel stop with scale |

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

This Einhell product comes with a **2-year limited warranty**. Please retain your proof of purchase for any warranty

claims.

## **9.2 Customer Support**

For technical assistance, spare parts, or warranty inquiries, please contact Einhell customer service. Refer to the official Einhell website or your product packaging for the most up-to-date contact information.