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- › RUBI /
- › RUBI TS-43 MAX Manual Tile Cutter Instruction Manual

## RUBI TS-43 MAX

# RUBI TS-43 MAX Manual Tile Cutter Instruction Manual

Model: TS-43 MAX (Part Number: 18972)

## INTRODUCTION

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This manual provides essential instructions for the safe and effective use, maintenance, and troubleshooting of your RUBI TS-43 MAX manual tile cutter. Please read this manual thoroughly before operating the tool to ensure proper function and safety.

## SAFETY INFORMATION

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Always prioritize safety when using any tool. Failure to follow these safety guidelines may result in injury or damage to the tool.

- **Wear appropriate personal protective equipment (PPE):** Always wear safety glasses to protect against flying debris. Gloves are recommended for handling tiles and the cutter.
- **Work in a well-lit and stable area:** Ensure your workspace is clear of obstructions and the cutter is placed on a flat, stable surface.
- **Keep children and bystanders away:** Do not allow unauthorized persons near the work area.
- **Inspect the tool before use:** Check for any damaged or loose parts. Do not use the cutter if it appears damaged.
- **Handle tiles carefully:** Edges of cut tiles can be sharp.
- **Use the correct scoring wheel:** Ensure the scoring wheel is appropriate for the type and hardness of the tile being cut.

## PRODUCT OVERVIEW

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The RUBI TS-43 MAX is a professional-grade manual tile cutter designed for intensive cutting of ceramic and porcelain tiles. It features a progressive breaking system and a reinforced base for stability and precision.



Image: The RUBI TS-43 MAX manual tile cutter, showcasing its robust design and components.

## Key Features:

- **Progressive Breaking System "SMART POWER"**: Adapts to various material hardness levels for precise cuts.
- **Wide, Reinforced Base**: Provides enhanced stability and cutting quality, improving user comfort.
- **Powerful Single-Point Breaker**: Delivers up to 1764 lb of breaking pressure for tough materials.
- **Ergonomic Handles and Chromed Steel Guides**: Ensures durability and maximum user comfort, with rust-resistant guides.
- **Interchangeable Scoring Wheels**: Includes  $\text{Ø}5/16$ " (8mm) ENDURE and  $\text{Ø}3/8$ " (10mm) SILVER wheels, along with a robust transport case.

## SETUP

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### 1. Unpacking and Inspection:

Carefully remove the tile cutter and its accessories from the transport case. Inspect all components for any signs of damage that may have occurred during shipping. Ensure all included items are present:

- RUBI TS-43 MAX Tile Cutter
- $\text{Ø}5/16$ " (8mm) ENDURE Scoring Wheel
- $\text{Ø}3/8$ " (10mm) SILVER Scoring Wheel
- Transport Case



Image: The RUBI TS-43 MAX tile cutter and its accessories neatly stored within the robust transport case.

## 2. Preparing the Work Area:

Place the tile cutter on a firm, level, and stable surface. Ensure there is adequate space around the cutter for safe operation and for handling tiles. The transport case can be used to elevate the cutter for comfortable working height, as shown in the image below.



Image: A user preparing to cut a tile, with the RUBI TS-43 MAX tile cutter positioned on its transport case for an elevated working surface.

### 3. Selecting the Scoring Wheel:

Choose the appropriate scoring wheel for your tile material. The 8mm ENDURE wheel is generally suitable for softer ceramic tiles, while the 10mm SILVER wheel is recommended for harder materials like porcelain. Refer to the tile manufacturer's recommendations if available.

## OPERATING INSTRUCTIONS

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### 1. Marking the Tile:

Measure and mark the desired cut line on the tile using a pencil or marker. Ensure the mark is clear and accurate.

### 2. Positioning the Tile:

Place the tile on the cutter's base, aligning the marked cut line with the scoring wheel's path. Use the adjustable measuring guide to secure the tile and ensure a straight cut. The tile should be firmly against the stops.

### 3. Scoring the Tile:

Lower the scoring wheel onto the tile at the edge furthest from you. Apply firm, consistent pressure to the handle and push the scoring wheel along the marked line towards you in a single, continuous motion. A clear, audible score line should be visible across the tile surface. Avoid multiple passes, as this can weaken the tile and result in an uneven break.



Image: A user demonstrating the scoring process on a tile using the RUBI TS-43 MAX manual tile cutter.

#### **4. Breaking the Tile:**

Once the tile is scored, position the breaker foot directly over the scored line, typically near the center of the tile. Apply downward pressure to the handle. The "SMART POWER" progressive breaking system will adapt to the tile's hardness, ensuring a clean break. The tile should snap cleanly along the scored line. For very long or hard tiles, it may be beneficial to apply pressure at both ends of the score line sequentially.

#### **5. Angle Cuts:**

The TS-43 MAX includes an adjustable swivel square for making angle cuts. Loosen the locking knob, set the desired angle, and tighten the knob. Align the tile accordingly before scoring and breaking.

### **MAINTENANCE**

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#### **1. Cleaning:**

After each use, clean the tile cutter to remove tile dust and debris. Use a brush or compressed air to clear the guides and base. A damp cloth can be used to wipe down surfaces, ensuring no moisture remains on metal parts.

#### **2. Scoring Wheel Replacement:**

Scoring wheels wear out over time and should be replaced when cuts become inconsistent or difficult. To replace, carefully remove the old wheel from its holder and insert the new one, ensuring it is securely seated. Always use genuine RUBI scoring wheels for optimal performance.

#### **3. Lubrication:**

Periodically apply a light lubricant to the chromed steel guides to ensure smooth operation of the scoring carriage. Avoid excessive lubrication, which can attract dust.

## 4. Storage:

Store the tile cutter in its transport case in a dry, clean environment to protect it from dust, moisture, and impact. This will prolong the life of the tool.



Image: The robust red transport case for the RUBI TS-43 MAX, designed for safe storage and portability.

## TROUBLESHOOTING

- **Problem: Tile not breaking cleanly or uneven break.**

**Solution:**

- Ensure the scoring wheel is sharp and appropriate for the tile material.
- Apply consistent, firm pressure during scoring in a single pass.
- Verify the breaker foot is centered directly over the score line.
- Check for any debris on the base or guides that might interfere with the tile's seating.

- **Problem: Scoring wheel not moving smoothly.**

**Solution:**

- Clean the chromed guides and scoring carriage thoroughly.
- Apply a light lubricant to the guides.
- Check for any physical obstructions or damage to the carriage.

- **Problem: Difficulty applying sufficient breaking pressure.**

**Solution:**

- Ensure the cutter is on a stable surface.
- Verify the tile is correctly positioned and secured.
- For very hard tiles, ensure the correct scoring wheel is used and a deep, consistent score is made.

## SPECIFICATIONS

<b>Model</b>	TS-43 MAX
<b>Part Number</b>	18972
<b>Cutting Length</b>	16 15/16" (43 cm)
<b>Breaking Pressure</b>	Up to 1764 lb (800 kg)
<b>Item Weight</b>	19.36 pounds (8.8 Kilograms)
<b>Product Dimensions</b>	13.78 x 5.51 x 31.1 inches
<b>Material</b>	Aluminum
<b>Power Source</b>	Hand Powered
<b>Included Components</b>	Ø6mm and 10mm scoring wheels, transport case

## WARRANTY

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The RUBI TS-43 MAX manual tile cutter comes with a **5-year warranty**. This warranty covers manufacturing defects and material flaws under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official RUBI website or contact customer support.

## SUPPORT

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For further assistance, technical support, or to inquire about replacement parts, please visit the official RUBI website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.