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Makita 3709

Makita 3709 Laminate Trimmer

User Manual

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita 3709 Laminate Trimmer. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.
The Makita 3709 is a compact and powerful 530W laminate trimmer designed for precise routing and trimming tasks. It features a 6mm (1/4") collet capacity, a high speed of 30,000 RPM, double insulation for safety, and a transparent base for clear visibility of the work area.

General Safety Instructions

Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury.

- **Work Area Safety:** Keep your 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.
- **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. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly; do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Maintenance:** Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

Product Overview and Components

Familiarize yourself with the main parts of your Makita 3709 Laminate Trimmer.




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Figure 1: Main view of the Makita 3709 Laminate Trimmer, showing its compact design and transparent base.

- **Motor Housing:** Contains the 530W motor.
- **Collet Chuck:** Holds the router bit.
- **Base Plate:** Transparent plastic base for clear visibility.
- **Depth Adjustment Knob:** For precise setting of cutting depth.
- **Lock Lever:** Secures the depth adjustment.
- **Soft Grip:** Provides comfort and control during operation.
- **Power Cord:** For corded electric operation.



Figure 2: Detailed view of the transparent base and the depth adjustment mechanism, highlighting the precision scale.

Setup

1. Installing or Removing the Router Bit

1. Ensure the tool is unplugged from the power source.
2. Loosen the collet nut using the provided wrenches.
3. Insert the router bit into the collet chuck as far as it will go, then pull it out slightly (about 1/16 inch or 2mm) to prevent the shank from bottoming out.
4. Tighten the collet nut firmly with the wrenches. Do not overtighten.
5. To remove, reverse the procedure.





Figure 3: Close-up of the collet area, where the router bit is inserted and secured.

2. Adjusting the Cutting Depth

1. Place the tool on a flat surface with the router bit facing down.
2. Loosen the lock lever.
3. Adjust the base plate up or down until the desired cutting depth is achieved. Use the depth scale for reference.
4. Tighten the lock lever securely to fix the depth.

3. Attaching Guides

The Makita 3709 comes with various guides for different applications:

- **Edge Guide:** Used for routing parallel to an edge. Attach it to the base plate and adjust the distance from the bit.
- **Straight Guide:** For straight cuts along a workpiece.
- **Template Guide:** For following templates to create specific shapes.

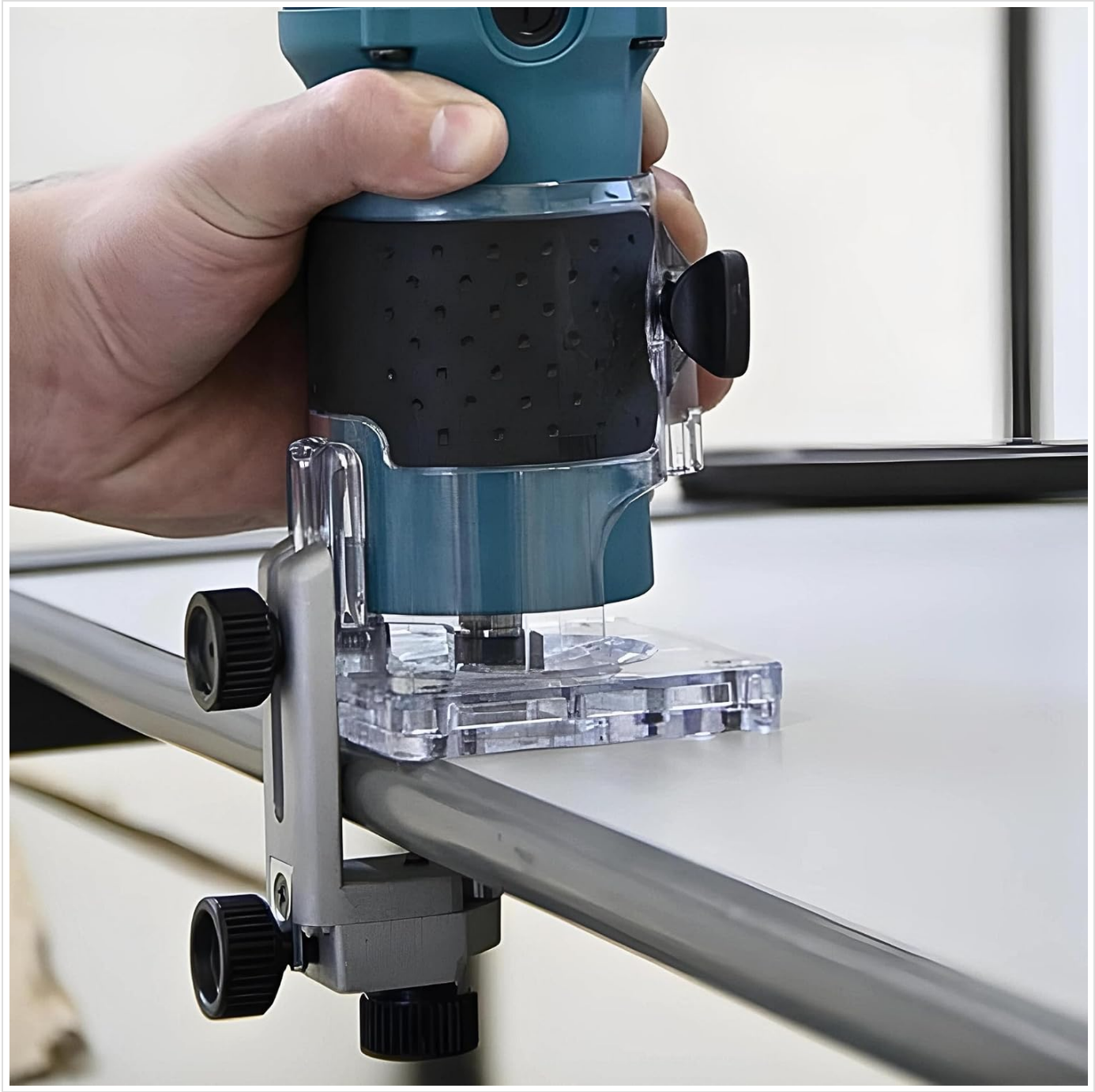


Figure 4: The Makita 3709 Laminate Trimmer being used with an edge guide, demonstrating its application for precise edge work.

Operating the Trimmer

1. Powering On/Off

- To start the tool, push the switch lever to the "I" (ON) position.
- To stop the tool, push the switch lever to the "O" (OFF) position.

2. Routing Techniques

- **Direction of Feed:** Always feed the tool into the workpiece in the direction opposite to the cutter's rotation. This provides better control and prevents the tool from running away.
- **Workpiece Securement:** Always secure the workpiece firmly to prevent movement during operation.
- **Multiple Passes:** For deep cuts, make several shallow passes rather than one deep pass. This reduces strain on the tool and bit, and results in a cleaner cut.
- **Smooth Movement:** Move the tool smoothly and consistently along the cutting line. Avoid stopping or pausing

during a cut.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** After each use, clean the tool thoroughly. Remove dust and chips from the motor housing vents and the base plate. Use a soft cloth, slightly dampened if necessary. Do not use strong detergents or solvents.
- **Bit Care:** Keep router bits sharp and clean. Dull bits can cause overheating and poor cutting performance.
- **Carbon Brushes:** The motor uses carbon brushes. If the motor power decreases or the tool stops, the carbon brushes may be worn out. Have them replaced by a Makita authorized service center.
- **Inspection:** Periodically inspect the power cord for damage. If damaged, have it repaired by a qualified technician. Check all screws and fasteners for tightness.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	No power supply; faulty switch; worn carbon brushes.	Check power connection; ensure switch is ON; contact service center for brush replacement.
Excessive vibration.	Dull or damaged bit; improperly installed bit; loose collet nut.	Replace or sharpen bit; re-install bit correctly; tighten collet nut.
Motor overheats.	Overloading the tool; dull bit; blocked ventilation slots.	Reduce cutting depth/feed rate; replace/sharpen bit; clean ventilation slots.
Poor cut quality.	Dull bit; incorrect feed rate; improper depth setting.	Replace or sharpen bit; adjust feed rate; re-adjust cutting depth.

Specifications

Feature	Detail
Model Number	3709
Power Source	Corded Electric
Voltage	220V
Wattage	530 watts
No-Load Speed	30,000 RPM
Collet Capacity	6mm (1/4")
Dimensions (L x W x H)	8.2 x 9 x 19.9 cm (3.2 x 3.5 x 7.8 inches)
Net Weight	2.35 kg (5.18 lbs)
Material	Molded Epoxy

Feature	Detail
Special Features	Compact, Double Insulation, Transparent Base, Soft Grip
Included Components	Edge guide, Straight guide, Template guide, Straight bit, 2 wrenches, 6mm collet cone, Anti-splinter cover

Warranty and Support

Makita products are manufactured under strict quality control. In the event of any issues, please refer to the warranty card included with your purchase for specific terms and conditions. For technical support, spare parts, or service, please contact your local authorized Makita service center or dealer.
For more information, visit the official Makita website or contact their customer service.

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