

Holzmann TS315VF-2000-230V

Holzmann TS315VF-2000-230V Table Saw Instruction Manual

Model: TS315VF-2000-230V

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your Holzmann TS315VF-2000-230V Table Saw. Please read these instructions thoroughly before assembly, operation, or maintenance to ensure proper use and to prevent injury or damage to the machine. Keep this manual in a safe place for future reference.

The Holzmann TS315VF-2000-230V is a robust table saw designed for precise cutting of various wood materials. It features a powerful 3000W motor, a 315mm main saw blade, and an integrated 90mm scoring saw for chip-free cuts on delicate panels. The machine is equipped with a 2000mm aluminum sliding carriage and a cast iron work table with extensions for handling large workpieces.

2. SAFETY INSTRUCTIONS

Always observe general safety regulations when working with power tools. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask. Use appropriate gloves when handling blades.
- **Work Area:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Ensure adequate space around the machine for safe operation and material handling.
- **Electrical Safety:** Ensure the power supply matches the machine's requirements (230 V, 50 Hz). Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Machine Condition:** Before each use, inspect the machine for damage, loose parts, or worn components. Do not operate a damaged machine.
- **Blade Safety:** Ensure the blade is sharp, clean, and correctly installed. Never operate the saw without the blade guard in place.
- **Workpiece Handling:** Always use push sticks or push blocks when cutting small workpieces. Never reach over or around the saw blade while it is running.
- **Dust Extraction:** Connect the machine to a dust extraction system to minimize airborne dust and

maintain a clear view of the cutting line.

- **Emergency Stop:** Familiarize yourself with the location and operation of the emergency stop button.
- **Unplug Before Adjustments:** Always disconnect the machine from the power supply before making any adjustments, changing blades, or performing maintenance.

3. COMPONENTS AND FEATURES

The Holzmann TS315VF-2000-230V Table Saw is equipped with several key components designed for precision and versatility.



Figure 1: Overall view of the Holzmann TS315VF-2000-230V Table Saw, showcasing its main body, sliding carriage, and table extensions.

- **Main Saw Blade (315mm):** For primary cutting operations.
- **Scoring Saw (90mm):** Located in front of the main blade, it scores the material surface to prevent chipping on laminated or veneered panels.
- **Blade Height and Tilt Adjustment:** Controlled by two independent handwheels for precise angle and depth settings.
- **Cast Iron Work Table:** Provides a stable and durable surface for cutting.
- **Table Extensions:** Side and rear extensions increase the working surface for larger materials. A support leg is included for the side extension.
- **2000mm Aluminum Sliding Carriage:** Allows for accurate cross-cutting of large panels.
- **Carriage Frame with Telescopic Rule and Cut Stop:** Facilitates precise measurement and repeatable cuts.
- **Rip Fence:** Adjustable fence for accurate rip cuts.
- **Precision Miter Gauge:** For angled cuts on the main table.
- **Blade Guard:** Essential safety component covering the saw blade.
- **Dust Extraction Outlet (100mm):** For connecting to a dust collection system.



Figure 2: Detail of the precision miter gauge and angle adjustment system, crucial for accurate angled cuts.



Figure 3: The 2000mm aluminum sliding carriage, showing the telescopic rule for measurement and the support leg for stability during large panel cuts.

4. SETUP

Careful assembly and setup are crucial for the performance and safety of your table saw.

1. **Unpacking and Inspection:** Carefully unpack all components. Check for any shipping damage or missing parts against the packing list.

2. **Base Assembly:** Assemble the machine base according to the provided diagrams, ensuring all fasteners are securely tightened.
3. **Table Extensions:** Attach the side and rear table extensions to the main cast iron table. Install the support leg for the side extension to ensure stability.
4. **Sliding Carriage Assembly:** Mount the 2000mm aluminum sliding carriage to the machine. Ensure it glides smoothly and is properly aligned. Attach the carriage frame with the telescopic rule and cut stop.
5. **Blade Installation:** Ensure the machine is unplugged. Install the main 315mm carbide blade and the 90mm scoring saw blade. Ensure they are correctly oriented and securely fastened.
6. **Blade Guard:** Install the blade guard over the main saw blade. Ensure it moves freely and provides adequate protection.
7. **Dust Extraction:** Connect a 100mm dust extraction hose to the machine's outlet.
8. **Electrical Connection:** Connect the machine to a grounded 230 V, 50 Hz power supply.
9. **Initial Adjustments:** Perform initial checks for blade alignment, fence parallelism, and carriage squareness. Refer to the detailed adjustment section in the full manual for precise calibration.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your table saw.

1. Preparation:

- Wear all required PPE.
- Ensure the work area is clear and well-lit.
- Verify the blade is sharp, clean, and correctly installed.
- Connect the dust extraction system.

2. **Blade Height Adjustment:** Use the dedicated handwheel to adjust the main blade height. For most cuts, the blade should extend approximately 3-6mm above the workpiece.

3. **Blade Tilt Adjustment:** Use the second handwheel to tilt the blade for angled cuts (0° to 45°). Lock the tilt mechanism securely after adjustment.

4. **Scoring Saw Adjustment:** If using the scoring saw, adjust its height to score the bottom surface of the workpiece just enough to prevent tear-out.

5. Rip Cuts (using Rip Fence):

- Set the rip fence to the desired width, ensuring it is parallel to the blade.
- Place the workpiece flat on the table, firmly against the fence.
- Turn on the saw and allow the blades to reach full speed.
- Feed the workpiece slowly and steadily through the blade, keeping it pressed against the fence. Use a push stick for the last portion of the cut.

6. Cross Cuts (using Sliding Carriage):

- Position the workpiece on the sliding carriage, using the telescopic rule and cut stop for accurate length. Secure the workpiece with the eccentric clamp if necessary.
- Turn on the saw and allow the blades to reach full speed.
- Push the sliding carriage smoothly and steadily through the blades to make the cut.

7. **After Cutting:** Turn off the saw and wait for the blades to come to a complete stop before removing cut pieces or clearing sawdust.

6. MAINTENANCE

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

- **Daily Cleaning:** After each use, unplug the machine and clean all sawdust and debris from the table, blade area, and dust extraction ports.
- **Blade Inspection:** Regularly inspect saw blades for sharpness, damage, or missing teeth. Replace dull or damaged blades immediately.
- **Lubrication:** Periodically lubricate moving parts such as the blade tilt and height mechanisms, and the sliding carriage rails, according to the manufacturer's recommendations.
- **Fastener Checks:** Routinely check all nuts, bolts, and screws for tightness. Tighten any loose fasteners.
- **Electrical Components:** Inspect the power cord and plug for damage. Ensure all electrical connections are secure.
- **Dust Extraction System:** Ensure the dust extraction system is functioning effectively and clear of blockages.
- **Professional Servicing:** For complex repairs or internal component checks, consult a qualified service technician.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Saw does not start	No power supply, emergency stop engaged, faulty switch	Check power connection, reset emergency stop, inspect switch
Blade binds or stalls	Dull blade, improper feed rate, misaligned fence, warped workpiece	Replace/sharpen blade, reduce feed rate, check fence alignment, use straight material
Excessive vibration	Loose blade, damaged blade, unbalanced motor, loose fasteners	Check blade tightness, replace damaged blade, inspect motor, tighten fasteners
Poor cut quality (tear-out, rough edges)	Dull blade, incorrect blade type for material, scoring saw not adjusted/used	Replace/sharpen blade, use appropriate blade, adjust/use scoring saw
Dust collection ineffective	Clogged hose/port, weak dust collector, improper connection	Clear blockages, check dust collector performance, ensure tight connections

8. SPECIFICATIONS

Detailed technical specifications for the Holzmann TS315VF-2000-230V Table Saw.







Specification	Value
Model	TS315VF-2000-230V

Specification	Value
Motor Power S1 (100%)	3000 W
Voltage / Frequency	230 V / 50 Hz
Main Blade Speed	4000 rpm
Scoring Saw Speed	5800 rpm
Main Blade Diameter / Bore	315 mm / 30 mm
Scoring Saw Diameter / Bore	90 mm / 20 mm
Cutting Height at 90°	100 mm
Cutting Height at 45°	80 mm
Sliding Carriage Stroke	2000 mm
Rip Capacity against Fence	1260 mm
Dust Extraction Outlet	100 mm
Net Weight	270 kg
Product Dimensions (L x W x H)	82 x 80 x 80 cm (main unit)
Included Components	Carbide blade, scoring saw, eccentric clamp, blade guard, precision miter gauge, cross-cut fence, rip fence

9. WARRANTY AND SUPPORT

The Holzmänn TS315VF-2000-230V Table Saw comes with a **2-year warranty**. This warranty covers manufacturing defects but excludes wear parts. For warranty claims, technical support, or spare parts, please contact your authorized Holzmänn dealer or the manufacturer directly with your proof of purchase and the machine's model number.

Always refer to the official Holzmänn website or your local distributor for the most up-to-date warranty terms and service information.

	<p>HOLZMANN TS 315VF Formátovací pila - Návod k Použití</p> <p>Kompletní návod k obsluze pro formátovací pilu HOLZMANN TS 315VF. Obsahuje bezpečnostní pokyny, technická data, montáž, údržbu a záruční podmínky pro profesionální i hobby použití.</p>
	<p>HOLZMANN TS 250 Tischkreissäge / Table Saw User Manual</p> <p>Comprehensive user manual for the HOLZMANN TS 250 Table Saw, covering operation, assembly, safety guidelines, technical specifications, and maintenance. Essential reading for safe and effective use of this woodworking tool.</p>
	<p>HOLZMANN TFM610V Table Router User Manual</p> <p>This manual provides comprehensive operating instructions, safety guidelines, technical specifications, and assembly details for the HOLZMANN TFM610V Table Router. It covers safe usage, maintenance, troubleshooting, and spare parts information.</p>
	<p>HOLZMANN HBS610 Wood Bandsaw: User Manual and Technical Specifications</p> <p>Comprehensive user manual and technical specifications for the HOLZMANN HBS610_230V and HBS610_400V wood bandsaws, covering safety, operation, maintenance, and troubleshooting.</p>
	<p>HOLZMANN FS300 400V Spindle Shaper Operating Manual</p> <p>This manual provides essential information and instructions for the safe installation and operation of the HOLZMANN FS300 400V spindle shaper. It covers technical specifications, safety guidelines, assembly procedures, electrical connections, and troubleshooting.</p>
	<p>HOLZMANN KAP 305JL Profi Kapp- und Gehrungssäge Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die HOLZMANN KAP 305JL Profi Kapp- und Gehrungssäge. Enthält wichtige Informationen zu Sicherheit, Montage, Betrieb, Wartung und Fehlerbehebung für Holz- und Kunststoffbearbeitung.</p>