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Holzmann BT75_230V

Holzmann Maschinen BT75_230V Band and Disc Sander Instruction Manual

Model: BT75_230V

1. SAFETY INSTRUCTIONS

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.

- **Work Area Safety:** 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection (safety glasses or goggles). Use hearing protection when operating the sander. Wear a dust mask, especially when sanding wood or other materials that produce fine dust. Do not wear loose clothing or jewelry. Keep hair and clothing 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.
- **Secure Workpiece:** Always secure the workpiece firmly before sanding. Do not hold small pieces by hand.
- **Ventilation:** Ensure adequate ventilation in the work area to minimize dust inhalation.

2. PRODUCT OVERVIEW

The Holzmann Maschinen BT75_230V is a versatile band and disc sander designed for various sanding tasks. It features a robust die-cast aluminum housing and independent work tables for both sanding functions.



Figure 1: Front view of the Holzmann BT75_230V Band and Disc Sander. This image shows the complete unit with both the vertical band sanding arm and the horizontal disc sanding table visible.



Figure 2: Angled view of the sander, highlighting the adjustable work tables for both the band and disc sanding functions.

Key Components:

- **Sanding Belt:** For linear sanding operations.
- **Sanding Disc:** For flat surface and edge sanding.
- **Work Tables:** Adjustable tables for supporting workpieces during sanding.
- **Motor Housing:** Contains the 250W motor.
- **On/Off Switch:** Power control for the unit.
- **Belt Guard:** Transparent guard for safety during belt sanding.



Figure 3: Close-up view of the transparent guard covering the sanding belt, ensuring user safety during operation.

3. SETUP

3.1 Unpacking and Inspection

Carefully remove the sander from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Ensure all components listed in the packing list are present.

3.2 Securing the Sander

For stable operation, it is recommended to secure the sander to a workbench using appropriate fasteners through the mounting holes in the base. This will prevent movement and vibration during use.

3.3 Connecting to Power

Connect the power cord to a grounded 230V AC electrical outlet. Ensure the power switch on the sander is in the 'OFF' position before plugging it in.

3.4 Adjusting Work Tables

The work tables for both the band and disc sander can be adjusted for angle. Loosen the locking knobs, set the desired angle, and securely tighten the knobs. For the disc sander, a miter gauge can be used for precise angle sanding.



Figure 4: Detail of the adjustment mechanism for the disc sander's work table, showing the angle scale and locking handle.



Figure 5: The disc sander work table equipped with a miter gauge for precise angle sanding of workpieces.

4. OPERATING INSTRUCTIONS

4.1 General Operation

Before starting, ensure the workpiece is clean and free of obstructions. Always wear appropriate personal protective equipment (PPE), including eye protection and a dust mask.

- Turn on the sander using the On/Off switch.
- Allow the sanding belt or disc to reach full speed before applying the workpiece.
- Apply light, even pressure to the workpiece against the sanding surface. Avoid excessive force, which can lead to poor results and premature wear of the abrasive.
- Move the workpiece smoothly across the sanding surface to ensure even material removal and prevent gouging.
- Turn off the sander when finished and wait for all moving parts to stop before leaving the machine.

4.2 Band Sanding

The vertical sanding belt is ideal for edge sanding, shaping, and removing material from longer workpieces.



Figure 6: A user demonstrating the use of the band sander to smooth the edge of a wooden block.

4.3 Disc Sanding

The horizontal sanding disc is suitable for flat surface sanding, end grain sanding, and precise angle work when used with the adjustable table and miter gauge.



Figure 7: A user demonstrating the use of the disc sander to smooth a wooden block, utilizing the adjustable work table.

4.4 Changing Sanding Belts and Discs

Always unplug the sander from the power source before attempting to change any abrasive materials.

- **For Sanding Belt:** Release the belt tension lever, remove the old belt, and slide on the new belt, ensuring it is centered on the rollers. Re-engage the tension lever.
- **For Sanding Disc:** Peel off the old adhesive-backed sanding disc. Clean the disc plate surface thoroughly. Apply a new adhesive-backed sanding disc, aligning it carefully with the disc plate.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your sander. Always disconnect the power supply before performing any maintenance.

- **Cleaning:** Regularly clean dust and debris from the machine, especially around the motor vents, sanding surfaces, and work tables. Use compressed air or a brush.

- **Abrasive Inspection:** Periodically check the sanding belt and disc for wear, tears, or clogging. Replace worn abrasives promptly to maintain sanding efficiency and prevent damage to the workpiece.
- **Fastener Check:** Ensure all nuts, bolts, and screws are tight. Vibrations during operation can cause fasteners to loosen over time.
- **Power Cord Inspection:** Inspect the power cord for any signs of damage, cuts, or fraying. Replace damaged cords immediately.
- **Storage:** Store the sander in a clean, dry place, away from moisture and extreme temperatures.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your sander.

Problem	Possible Cause	Solution
Sander does not start	No power supply; Faulty switch; Motor issue	Check power connection and outlet; Test switch; Contact qualified service personnel.
Poor sanding results / Slow material removal	Worn or clogged abrasive; Incorrect abrasive grit; Excessive pressure	Replace sanding belt/disc; Use appropriate grit for the task; Apply lighter, even pressure.
Excessive vibration	Loose mounting; Unbalanced abrasive; Damaged components	Securely mount the sander; Check and replace abrasive if damaged; Inspect for damaged parts.
Sanding belt slips or runs off track	Incorrect belt tension; Misaligned belt tracking	Adjust belt tension; Adjust belt tracking mechanism (refer to specific model instructions if available).

7. SPECIFICATIONS

Technical data for the Holzmann Maschinen BT75_230V Band and Disc Sander:

Specification	Value
Manufacturer	Holzmann Maschinen
Model Number	BT75_230V
Voltage	230 Volts
Power	250 Watts
Disc Diameter	125 mm
Max Rotation Speed	10000 RPM

Specification	Value
Grain Class	135 (Medium)
Special Features	Versatile die-cast aluminum housing
Product Dimensions	12.5L x 12.5W x 12.5H centimeters
Country of Origin	Germany

8. WARRANTY AND SUPPORT

Holzmann Maschinen provides a 1-year availability for spare parts for this product within the EU. For warranty claims, technical support, or to order spare parts, please contact your authorized Holzmann dealer or the manufacturer directly.

When contacting support, please have your model number (BT75_230V) and purchase information readily available.

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Related Documents - BT75_230V

Preview	<p>HOLZMANN TSM 250 Disc Sander User Manual</p> <p>This manual provides comprehensive instructions for the safe and effective operation, maintenance, and troubleshooting of the HOLZMANN TSM 250 Disc Sander. It includes technical specifications, safety guidelines, and a parts list.</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>
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