KATSU Tools 100198

KATSU Tools 100198 Bench Belt and Disc Sander User Manual

Model: 100198

1. Introduction

Thank you for choosing the KATSU Tools 100198 Bench Belt and Disc Sander. This versatile 375W machine combines a 150mm disc sander and a 100 x 914mm belt sander, making it suitable for a variety of sanding, shaping, grinding, and sharpening tasks on wood, metal, and plastic. This manual provides essential information for safe operation, assembly, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.



Image 1: The KATSU Tools 100198 Bench Belt and Disc Sander, a multi-purpose and compact tool designed for various sanding applications.

2. General Safety Instructions

Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating this sander.

2.1 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. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2 Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.

- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 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.

2.3 Personal Safety

- Always wear eye protection. Use safety glasses or goggles.
- Wear appropriate dust mask or respirator, especially when sanding wood or materials that produce fine dust.
- Wear hearing protection when operating the sander for extended periods.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.

2.4 Sander Specific Safety

- Always secure the workpiece firmly before sanding.
- Ensure the sanding belt and disc are correctly installed and tensioned before use.
- Never sand materials containing asbestos.
- Do not apply excessive pressure to the workpiece; let the sander do the work.
- Always disconnect the power supply before changing sanding belts/discs or performing any maintenance.

3. Product Components and Overview

The KATSU Tools 100198 sander is designed for efficiency and stability. Familiarize yourself with its main components:

- **Belt Sanding Unit:** For linear sanding tasks.
- **Disc Sanding Unit:** For curved or precise edge sanding.
- **Adjustable Work Table:** Can be tilted from 0-45° for angled sanding.
- **Miter Gauge:** For precise angle adjustments on the work table.
- **Dust Extraction Ports:** Connect to an external vacuum device for a cleaner workspace.
- **Power Switch:** On/Off control for the 375W motor.
- **Belt Tension/Tracking Adjustment:** Mechanisms to ensure proper belt alignment.
- **Anti-Vibration Rubber Feet:** For stability during operation.

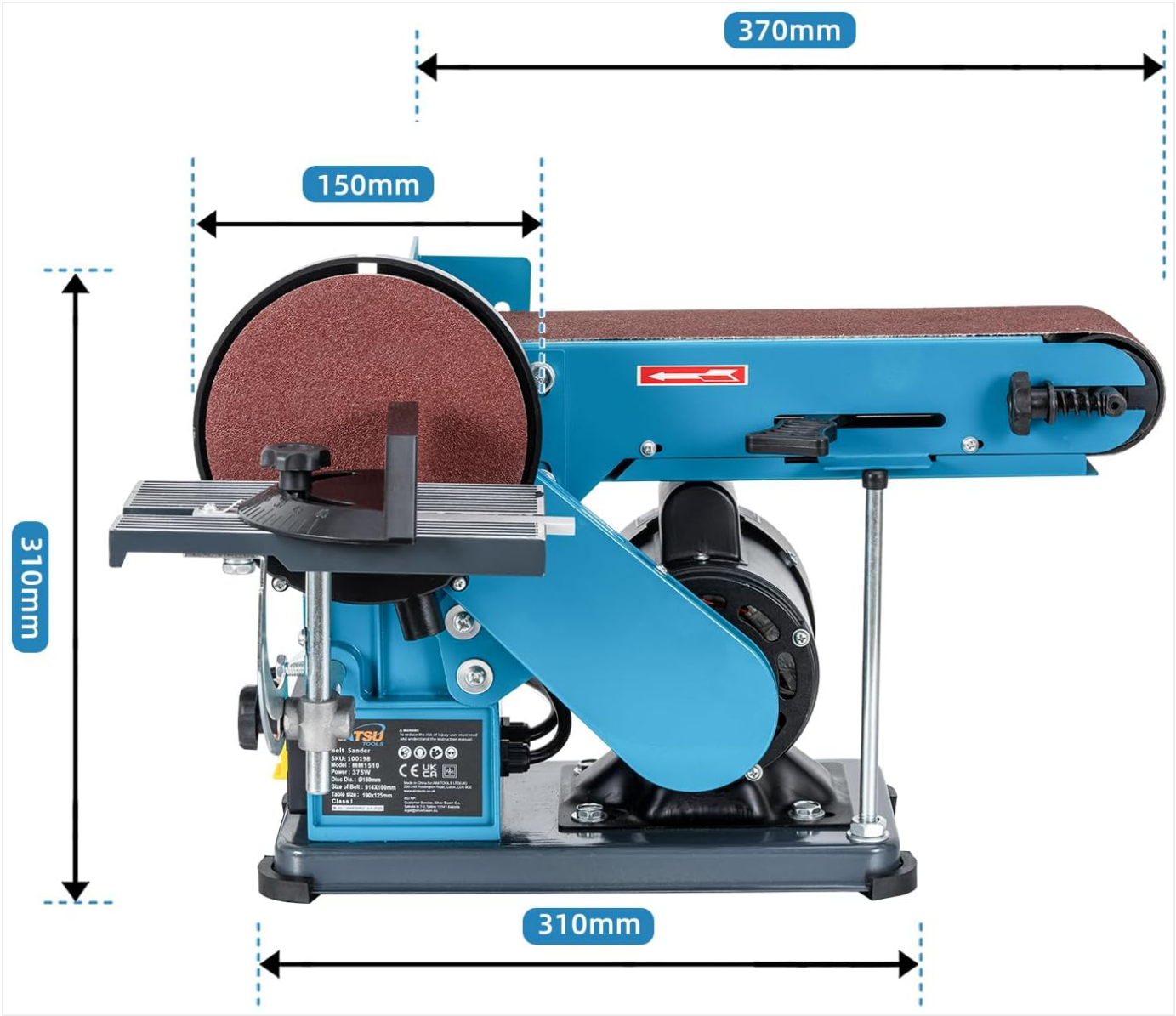


Image 2: Overview of the sander with key dimensions, including the 150mm disc and 370mm belt length.



Image 3: Illustrates the dual functionality of the machine as both a belt and disc sander, highlighting its high efficiency and stability.

4. Setup and Assembly

The sander requires some assembly before first use. Ensure all components are present and undamaged before proceeding.

4.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect the tool for any signs of damage during transit. If damage is found, do not operate the tool and contact your supplier.
3. Verify that all listed parts are included. The package typically includes 1 x 80-grit sanding belt, 1 x 80-grit sanding disc, and a miter gauge.

4.2 Mounting the Sander

For safe and stable operation, it is highly recommended to securely mount the sander to a workbench using appropriate

bolts and nuts (not included). Use the mounting holes provided in the base of the unit.

4.3 Attaching the Work Table and Miter Gauge

1. Attach the work table to the disc sanding unit using the provided fasteners. Ensure it is securely tightened.
2. Insert the miter gauge into the slot on the work table. This allows for precise angle adjustments.



Image 4: Shows the adjustable work table and miter gauge, which can be tilted up to 45 degrees for precise bevel sanding.

4.4 Connecting Dust Extraction

Connect an external vacuum device to the dust extraction ports on both the belt and disc sanding units. This helps maintain a cleaner work environment and improves sanding efficiency.



Image 5: Highlights the dust extraction port and the capability for solid angle grinding with the belt unit.

5. Operating Instructions

Before operating, ensure all safety precautions are understood and followed.

5.1 Powering On/Off

- Connect the power cord to a suitable 230V/50Hz power outlet.
- To turn on the sander, press the green 'ON' button on the power switch.
- To turn off the sander, press the red 'OFF' button.



Image 6: Shows the powerful 375W motor, designed for durable performance.

5.2 Using the Belt Sander

1. The belt sanding unit can be adjusted from 0-90° for horizontal or vertical sanding. Loosen the locking knob, adjust the angle, and re-tighten.
2. Place the workpiece firmly against the sanding belt, applying even, moderate pressure.
3. Move the workpiece smoothly across the belt to ensure even material removal and prevent gouging.

5.3 Using the Disc Sander

1. Adjust the work table to the desired angle (0-45°) using the tilt mechanism and secure it.
2. For angled cuts, use the miter gauge to guide the workpiece.
3. Always sand on the downward-rotating side of the disc (left side when facing the disc) to prevent the workpiece from being thrown upwards.
4. Apply light, even pressure and move the workpiece steadily across the disc.



Image 7: Demonstrates the variable workpiece supports, allowing for different sanding configurations and angles.

6. Maintenance

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

6.1 Cleaning

- After each use, clean the sander to remove dust and debris. Use a brush or compressed air.
- Ensure the dust extraction ports are clear and free of blockages.

6.2 Sanding Belt Replacement

Replacing the sanding belt requires careful attention to detail. Refer to the diagram on the machine for belt direction.

1. Disconnect the sander from the power supply.
2. Locate and loosen the belt tension lever.

3. Carefully remove the old sanding belt.
4. Install the new belt, ensuring the arrow on the belt matches the rotation direction indicated on the machine.
5. Re-tension the belt and adjust the tracking knob until the belt runs centrally on the rollers without rubbing against the edges.

6.3 Sanding Disc Replacement

The sanding disc is typically adhesive-backed.

1. Disconnect the sander from the power supply.
2. Carefully peel off the old sanding disc from the disc plate.
3. Clean any adhesive residue from the disc plate.
4. Peel the backing from the new adhesive sanding disc and carefully align it with the disc plate before pressing it firmly into place.



Image 8: Illustrates the mechanism for quick belt replacement and adjustment, ensuring proper belt tracking.

7. 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; Contact qualified service personnel.
Belt runs off track	Incorrect belt tension; Improper belt tracking adjustment	Adjust belt tension; Adjust belt tracking knob until belt runs centrally.
Excessive vibration	Loose mounting; Unbalanced disc/belt; Damaged components	Ensure sander is securely mounted; Inspect belt/disc for damage; Contact support.
Poor sanding performance	Worn out belt/disc; Incorrect grit for material; Excessive pressure	Replace belt/disc; Use appropriate grit; Apply lighter pressure.
Dust accumulation	Dust extraction not connected; Clogged ports	Connect external vacuum; Clear dust ports.

8. Specifications

Specification	Value
Model Number	100198
Power	375 W
Voltage	230 V / 50 Hz
No-Load Speed	1450 RPM
Belt Dimensions	100 x 914 mm
Disc Diameter	Ø 150 mm
Table Dimensions	190 x 125 mm
Table Tilt Range	0° - 45°
Belt Tilt Range	0° - 90°
Net Weight	12 kg
Gross Weight	13 kg
Package Dimensions	500 x 300 x 260 mm

9. Warranty and Support

For warranty information, technical support, or service inquiries, please contact the retailer or manufacturer directly. Keep your purchase receipt as proof of purchase.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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