Enventor S1T-SW12-76

Enventor 950W 6-Speed Belt Sander S1T-SW12-76 User Manual

Model: S1T-SW12-76

1. Introduction

Thank you for choosing the Enventor 950W 6-Speed Belt Sander. This powerful and versatile tool is designed for efficient sanding of various materials, including wood, metal, and for paint removal. Featuring a robust pure copper motor, variable speed control, and an ergonomic design, it ensures precise and comfortable operation. Please read this manual carefully before use to ensure safe and optimal performance of your belt sander.



Powerful Pure Copper Motor: The 950W pure copper motor provides robust performance, operating 70% quieter and generating 25% less heat than conventional motors, ensuring durability and efficiency.

2. Safety Instructions

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

General Safety

- **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. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection (safety goggles). Use hearing protection when operating for extended periods. Wear a dust mask if sanding operations create dust. Dress properly; avoid loose clothing or jewelry.
- **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.

Specific Sander Safety

- Ensure the sanding belt is correctly installed and tensioned before starting.
- Always hold the sander firmly with both hands during operation.
- Do not sand materials containing asbestos.
- Do not use the sander on wet surfaces.
- Regularly check the power cord for damage.

3. Product Overview

Components Diagram



Enventor Belt Sander Components: This image identifies key parts including the variable-speed knob, soft grip handles, lock-on button, ON/OFF switch, sanding belt, belt adjusting knob, dust collection port, and belt cover.

Included Components

Your Enventor Belt Sander package includes:

- 1 x Enventor Belt Sander (Model S1T-SW12-76)
- 12 x Assorted Sanding Belts (3 each of P24, P80, P120, P180 grit)
- 1 x Removable Dust Bag
- 1 x User Manual



Assorted Sanding Belts: The sander comes with 12 sanding belts in various grits (P24, P80, P120, P180) for different sanding tasks, from coarse material removal to fine finishing.

4. Setup

Attaching the Dust Bag

The removable dust bag helps maintain a clean working environment by collecting sanding debris. To attach, simply slide the dust bag connector onto the dust collection port of the sander until it is securely in place.



Removable Dust Bag: This image demonstrates the dust bag attached to the sander, designed to collect sawdust and debris, ensuring a cleaner work area.

Installing and Changing Sanding Belts

Ensure the sander is unplugged before changing belts.

1. **Release Tension:** Pull up the clamping lever located on the side of the sander to release the tension on the sanding belt.
2. **Remove Old Belt:** Carefully slide the old sanding belt off the rollers.
3. **Install New Belt:** Place the new sanding belt onto the rollers, ensuring the arrow on the inside of the belt matches the direction of rotation indicated on the machine.
4. **Apply Tension:** Push the clamping lever back down to secure the new belt in place.
5. **Adjust Tracking:** Turn the belt adjusting knob (yellow knob at the front) clockwise or anti-clockwise to center the sanding belt on the rollers. This prevents the belt from running off during operation.



Tool-Free Belt Change: This visual guide shows how to quickly and easily change the sanding belt by pulling the clamping lever, adjusting the tracking knob, and ensuring correct belt direction.

5. Operating Instructions

Powering On/Off

- **To Turn On:** Press the ON/OFF switch.
- **To Turn Off:** Release the ON/OFF switch.

Using the Lock-on Button

For continuous operation, press the ON/OFF switch and then press the lock-on button. The sander will continue to run without needing to hold the switch. To release, press the ON/OFF switch again.



Lock-on Button: This feature allows for continuous operation, reducing user fatigue during prolonged sanding tasks.

Adjusting Speed

The sander features a 6-speed variable control knob, allowing you to adjust the belt speed from 120 to 380 RPM. Rotate the knob to select the appropriate speed for your material and desired finish.

- Lower speeds are suitable for delicate polishing or when working with heat-sensitive materials.
- Higher speeds are ideal for rapid material removal on tougher surfaces.



6 Adjustable Speeds: The variable speed control knob allows for precise adjustment of sanding speed, optimizing results for different materials and applications.

Sanding Techniques

Always ensure the workpiece is securely clamped before sanding. Apply even pressure and move the sander smoothly across the surface.



Versatile Applications: The Enventor belt sander is suitable for a range of tasks including wood polishing, furniture polishing, rust removal, and paint stripping.



Sanding Positions: This image illustrates various ways to hold and operate the sander for tasks such as metal sanding, wood sideways sanding, general wood sanding, and paint removal.

6. Maintenance

Cleaning the Dust Bag

Regularly empty the dust bag to maintain optimal dust collection efficiency. Detach the bag, empty its contents, and reattach it securely.



Effective Dust Collection: The sander's integrated dust collection system with a removable bag helps keep the workspace clean during operation.

General Cleaning

After each use, wipe down the sander with a clean, dry cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all ventilation openings are clear of dust and debris to prevent overheating.

Carbon Brush Replacement

The Enventor belt sander features an external carbon brush design, allowing for easy inspection and replacement of carbon brushes when worn. Refer to the product diagram for the location of the carbon brush covers. Replace brushes when they are worn down to approximately 1/4 inch (6mm) or if the motor performance decreases significantly.

7. Troubleshooting

If you encounter issues with your Enventor Belt Sander, please refer to the following common troubleshooting steps:

- **Sander does not start:** Check if the power cord is securely plugged into a working outlet. Ensure the ON/OFF switch is fully engaged.
- **Sanding belt slips or runs off:** Adjust the belt tracking knob to center the belt on the rollers. Ensure the clamping lever is fully engaged to tension the belt.
- **Excessive vibration or noise:** Check if the sanding belt is installed correctly and not damaged. Ensure all screws and fasteners are tight.
- **Poor dust collection:** Empty the dust bag. Check if the dust collection port or bag is clogged.
- **Reduced power or sparking:** This may indicate worn carbon brushes. Refer to the 'Carbon Brush Replacement' section in Maintenance.

If the problem persists after attempting these steps, please contact Enventor customer support.

8. Specifications



Product Dimensions and Weight: The sander measures 343mm in length, 135mm in width, 199mm in height, and weighs 3.8 kilograms.

Feature	Specification
Brand	Enventor
Model Number	S1T-SW12-76

Feature	Specification
Power	950 W
Voltage	220 Volts
Power Source	Corded Electric
Maximum Rotational Speed	380 RPM
Variable Speeds	6 (120-380 RPM)
Sanding Belt Dimensions	76 x 533 mm
Item Weight	3.8 Kilograms
Product Dimensions (L x W x H)	34.3 x 13.5 x 19.9 cm
Included Components	1 Belt Sander, 12 Assorted Sanding Belts, 1 Dust Bag, 1 User Manual
Grit Types Included	P24, P80, P120, P180 (3 of each)
Manufacturer	Zhejiang Swirl Wind Tools Made Co., Ltd

9. Warranty and Support

Enventor products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your product or visit the official Enventor website. If you require technical assistance, spare parts, or have any questions regarding the operation or maintenance of your belt sander, please contact Enventor customer support through the retailer where the product was purchased or via the contact information provided on the official Enventor website.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question