

VOLTZ MM1510

VOLTZ VZ-MM1510 Electric Belt and Disc Sander Instruction Manual

Model: MM1510

1. INTRODUCTION

This manual provides essential instructions for the safe operation, assembly, maintenance, and troubleshooting of your VOLTZ VZ-MM1510 Electric Belt and Disc Sander. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

The VOLTZ VZ-MM1510 is a versatile 380W electric belt and disc sander designed for various sanding and grinding tasks in workshops, offering a maximum rotational speed of 1500 RPM.

2. SAFETY INSTRUCTIONS

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

- **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. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry that can get caught in moving parts. Secure long hair.
- **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.
- **Dust Collection:** Connect dust extraction devices if provided. Ensure these are properly connected and used to reduce dust-related hazards.
- **Stability:** Ensure the machine is placed on a stable, level surface. The integrated rubber feet are designed for secure, low-vibration standing.

3. PRODUCT COMPONENTS

The VOLTZ VZ-MM1510 Electric Belt and Disc Sander includes the following main components:

- Main Sander Unit (Motor, Belt Mechanism, Disc Mechanism)
- Work Support for Disc Sander
- Adjustable Bevel Bench/Miter Gauge
- Dust Extraction Port
- Sanding Belt (100 x 915mm, 80 grit)
- Sanding Disc (150mm diameter, 80 grit, Velcro-backed)
- Assembling Parts



Figure 3.1: Overview of the VOLTZ VZ-MM1510 Electric Belt and Disc Sander.



Figure 3.2: Product dimensions (49L x 37W x 33H Centimeters).

4. SETUP AND ASSEMBLY

The sander requires some assembly of accessories before initial use. Follow these general guidelines:

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in Section 3 are present.
2. **Base Placement:** Place the main sander unit on a stable, level workbench. Ensure the rubber feet provide adequate grip.
3. **Work Support Assembly:** Attach the work support for the disc sander. This support can be adjusted and pivoted for various tasks.
4. **Bevel Bench/Miter Gauge:** Assemble and attach the adjustable bevel bench. This allows for precise angle sanding on the disc.
5. **Dust Extraction Port:** Connect any external dust extraction system to the provided port for efficient dust management.

4.1 Changing the Sanding Belt

Changing the sanding belt requires careful attention. The belt mechanism is secured, and removal of screws

may be necessary to access and replace the belt. Refer to the specific diagrams in your included assembly guide for detailed steps on screw locations and belt tension adjustment.



Figure 4.1: Location of the belt tightener mechanism for tension adjustment.

4.2 Changing the Sanding Disc

The sanding disc uses a Velcro-backed system for easy replacement.

1. Ensure the machine is unplugged.
2. Carefully peel off the old sanding disc from the disc plate.
3. Align the new Velcro-backed sanding disc (150mm diameter) with the disc plate and press firmly to secure it.



Figure 4.2: Demonstrating the removal and attachment of Velcro disc paper.

5. OPERATION

Before starting, ensure all safety precautions are observed and the work area is clear.

1. **Power Connection:** Plug the sander into a suitable 230V power outlet.
2. **Adjusting Work Supports:** The work support for the disc sander and the large workpiece supports can be adjusted and pivoted to suit the specific sanding task.
3. **Adjusting Belt Position:** The sanding belt can be pivoted and positioned both horizontally and vertically for optimal adaptation to different workpieces.



Figure 5.1: The sanding belt can be adjusted to a vertical position for specific tasks.



Figure 5.2: The bevel bench allows for angle adjustments for disc sanding.

4. **Power On:** Use the power switch to turn on the machine. The sander features variable speed control, allowing adjustment up to 1500 RPM.
5. **Sanding:** Apply gentle, even pressure to the workpiece against the sanding belt or disc. Avoid excessive force, which can lead to poor results and motor strain.
6. **Power Off:** After use, turn off the machine and allow all moving parts to come to a complete stop before leaving the work area.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sander.

- **Cleaning:** Regularly clean the machine, especially the sanding areas and dust ports, to prevent buildup of dust and debris. Disconnect from power before cleaning.
- **Dust Collection System:** Ensure the dust extraction connection is clear and functional. A clogged system reduces efficiency and can lead to premature wear.
- **Belt and Disc Replacement:** Replace sanding belts and discs when they become worn or lose their abrasive quality. Refer to Section 4.1 and 4.2 for replacement instructions.

- **Inspection:** Periodically inspect the power cord, plug, and all moving parts for any signs of damage or wear. Replace damaged parts immediately.

7. TROUBLESHOOTING

If you encounter issues with your VOLTZ VZ-MM1510 sander, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Machine does not start	No power supply; Faulty switch; Damaged cord	Check power connection and outlet; Inspect power cord; Contact support if switch is faulty.
Excessive noise during operation	Loose components; Worn bearings; Improper belt tension	Check for loose parts and tighten; Adjust belt tension; If noise persists, contact support.
Poor sanding performance	Worn belt/disc; Incorrect grit for material; Excessive pressure	Replace worn belt/disc; Use appropriate grit; Apply lighter, even pressure.
Belt tracking issues	Improper belt tension or alignment	Adjust belt tension and tracking mechanism (refer to assembly guide).

If troubleshooting steps do not resolve the issue, contact VOLTZ customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	VOLTZ
Model Number	MM1510
Product Dimensions	49L x 37W x 33H Centimeters
Item Weight	15 kg
Power Source	Corded Electric
Wattage	380 Watts
Voltage	230 Volts
Maximum Rotational Speed	1500 RPM
Belt Size	100 x 915mm
Disc Diameter	150mm
Included Grit (Initial)	80.00 (Fine)
Specific Product Use	Inside; Professional

Belt Size : 100 x 915mm



DISC Dia : 150mm

Figure 8.1: Visual representation of belt (100x915mm) and disc (150mm) sizes.

9. WARRANTY AND SUPPORT

Your VOLTZ VZ-MM1510 Electric Belt and Disc Sander comes with a **6 Month Warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical assistance, warranty claims, or any other inquiries, please contact VOLTZ customer support:

- **Toll Free Number:** 1800-572-8672
- **WhatsApp:** 9625417892
- **Email:** vcare@voltztools.com

Manufacturer and Packer: Voltz Tools

