

Bosch PSM 100A

Bosch PSM 100A Multi-Function Sander User Manual

Model: PSM 100A

1. SAFETY INSTRUCTIONS

Always observe the following safety precautions when operating the Bosch PSM 100A Multi-Function Sander to prevent electric shock, fire, and serious injury.

- **Read all instructions:** Familiarize yourself with the tool's operation and safety guidelines before use.
- **Wear personal protective equipment:** Always wear safety glasses, hearing protection, and a dust mask.
- **Secure the workpiece:** Ensure the material being sanded is firmly clamped or secured to prevent movement.
- **Keep work area clean:** Cluttered areas invite accidents. Ensure adequate lighting.
- **Avoid accidental starting:** Ensure the switch is in the off position before plugging in the tool.
- **Do not overreach:** Maintain proper footing and balance at all times.
- **Disconnect power:** Unplug the tool from the power source before making any adjustments, changing accessories, or storing it.
- **Store idle tools:** When not in use, store tools in a dry, high, or locked-up place out of reach of children.

2. PRODUCT OVERVIEW

The Bosch PSM 100A is a compact and robust multi-function sander designed for various sanding tasks, particularly in hard-to-reach areas. It features a 100-watt motor and a microfilter system for efficient dust collection.



Figure 1: Bosch PSM 100A Multi-Function Sander. This image displays the overall design of the sander, highlighting its green and black casing, ergonomic grip, and the triangular sanding plate.

Key Components:

- **On/Off Switch:** Located on the top handle for easy access.
- **Sanding Plate:** Triangular shape for accessing corners and edges.
- **Dust Box/Microfilter System:** Collects sanding dust for a cleaner work environment.
- **Hook-and-Loop Fastening System:** For quick and easy sandpaper changes.
- **Ergonomic Grip Areas:** Designed for comfortable and secure handling.

3. SETUP

3.1 Attaching Sanding Sheets

The PSM 100A uses a hook-and-loop system for attaching sanding sheets, allowing for quick changes.

1. Ensure the tool is unplugged from the power source.
2. Align the holes on the sanding sheet with the holes on the sanding plate.
3. Press the sanding sheet firmly onto the sanding plate to secure it.



Figure 2: Attaching a sanding sheet. This image shows hands pressing a red, triangular sanding sheet onto the black sanding plate of the tool, demonstrating the hook-and-loop attachment method.

3.2 Dust Extraction

The integrated microfilter system collects dust directly into the dust box. For larger projects or improved dust collection, an external vacuum cleaner can be connected.

- **Using the Dust Box:** Ensure the dust box is securely attached to the sander's dust port. Empty it regularly.
- **Connecting an External Vacuum:** Remove the dust box and connect a suitable vacuum hose to the dust port.

4. OPERATING INSTRUCTIONS

4.1 Switching On and Off

- **To Switch On:** Press the On/Off switch.
- **To Switch Off:** Press the On/Off switch again.

4.2 General Sanding

Hold the sander firmly with both hands. Place the sanding plate flat on the workpiece before switching on the tool. Apply light, even pressure and move the sander in overlapping strokes across the surface.



Figure 3: Sanding a wooden fence. A person is shown using the Bosch PSM 100A to sand a vertical wooden fence post, demonstrating its use in outdoor or detailed applications.



Figure 4: Sanding a door panel. A person is using the sander on a door panel, illustrating its suitability for preparing painted or varnished surfaces.

4.3 Specific Applications

- **Corners and Edges:** The triangular sanding plate is ideal for reaching tight spaces. Use the tip of the plate for precise work.
- **Fine Finishing:** Use higher grit sandpaper (e.g., P180) for smooth finishes.
- **Paint Removal:** Start with a coarser grit (e.g., P80) and progress to finer grits as needed.



Figure 5: Sanding a wooden shelf. A person is sanding a wooden shelf, demonstrating the tool's versatility for furniture restoration or preparation.

5. MAINTENANCE

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

5.1 Cleaning

- **After each use:** Unplug the tool. Empty the dust box and clean any dust from the ventilation slots using compressed air or a soft brush.
- **Sanding Plate:** Inspect the hook-and-loop surface for wear or debris. Clean as necessary to ensure proper adhesion of sanding sheets.

5.2 Accessory Replacement

- **Sanding Sheets:** Replace worn or clogged sanding sheets promptly to maintain sanding efficiency and prevent damage to the workpiece.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your PSM 100A sander.

Problem	Possible Cause	Solution
Sander does not start	No power supply; Faulty switch	Check power outlet and cord; Contact service center if switch is faulty.
Poor sanding performance	Worn or clogged sanding sheet; Incorrect grit for material	Replace sanding sheet; Use appropriate grit for the task.
Excessive vibration	Damaged sanding plate; Improperly attached sanding sheet	Inspect sanding plate for damage; Re-attach sanding sheet correctly.
Ineffective dust collection	Dust box full or improperly attached; Blocked dust port	Empty and re-attach dust box; Clear any blockages from the dust port.

7. SPECIFICATIONS

Feature	Specification
Brand	Bosch
Model	PSM 100A
Power Input	100 Watts
Voltage	230 Volts
Item Weight	0.9 Kilograms (1.98 pounds)
Product Dimensions	7.87"L x 7.87"W x 7.87"H
Power Source	Corded Electric
Grit Type	AO
Included Components	3 Sanding Sheets (P80, P120, P180)
Part Number	06033B7000
UPC	793518458547

8. WARRANTY AND SUPPORT

For warranty information, service, or technical support, please refer to the official Bosch documentation included with your product or visit the Bosch website. Keep your purchase receipt as proof of purchase for any warranty claims.

Online Resources: For additional information, FAQs, and product registration, visit the official Bosch website.