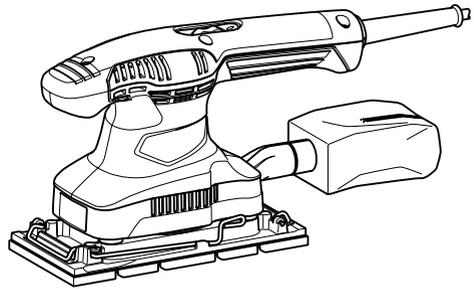


**maktec®**

**INSTRUCTION MANUAL**

# **Finishing Sander**

**MT923**



011316

 **DOUBLE INSULATION**

**IMPORTANT:** Read Before Using.

## ENGLISH (Original instructions)

# SPECIFICATIONS

Model	MT923
Pad size	92 mm x 185 mm
Abrasive paper size	93 mm x 228 mm
Orbits per minute (min <sup>-1</sup> )	12,000
Overall length	252 mm
Net weight	1.4 kg
Safety class	□/II

- Due to our continuing programme of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- Weight according to EPTA-Procedure 01/2003

END201-5

## Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.



- Read instruction manual.



- DOUBLE INSULATION



- Only for EU countries

Do not dispose of electric equipment together with household waste material! In observance of European Directive 2002/96/EC on waste electric and electronic equipment and its implementation in accordance with national law, electric equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

ENE052-1

## Intended use

The tool is intended for the sanding of large surface of wood, plastic and metal materials as well as painted surfaces.

ENF002-2

## Power supply

The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated and can, therefore, also be used from sockets without earth wire.

GEA005-3

# General Power Tool Safety

## Warnings

**⚠ WARNING** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

## Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

### Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **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.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### Electrical safety

4. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
5. **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.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **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.** Damaged or entangled cords increase the risk of electric shock.
8. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

9. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.
10. **Use of power supply via a RCD with a rated residual current of 30mA or less is always recommended.**

#### Personal safety

11. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
12. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
13. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
14. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
15. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
16. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
17. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

#### Power tool use and care

18. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
19. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
20. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing**

**accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

21. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
22. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
23. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
24. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

#### Service

25. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
26. **Follow instruction for lubricating and changing accessories.**
27. **Keep handles dry, clean and free from oil and grease.**

GEB021-4

## SANDER SAFETY WARNINGS

1. **Always use safety glasses or goggles. Ordinary eye or sun glasses are NOT safety glasses.**
2. **Hold the tool firmly.**
3. **Do not leave the tool running. Operate the tool only when hand-held.**
4. **This tool has not been waterproofed, so do not use water on the workpiece surface.**
5. **Ventilate your work area adequately when you perform sanding operations.**
6. **Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.**
7. **Use of this tool to sand some products, paints and wood could expose user to dust containing hazardous substances. Use appropriate respiratory protection.**
8. **Be sure that there are no cracks or breakage on the pad before use. Cracks or breakage**

may cause a personal injury.

## SAVE THESE INSTRUCTIONS.

### ⚠WARNING:

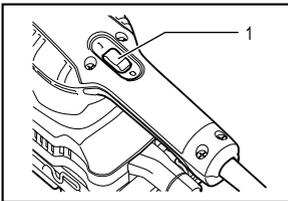
DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

## FUNCTIONAL DESCRIPTION

### ⚠CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

### Switch action



1. Switch

011317

### ⚠CAUTION:

- Before plugging in the tool, always check to see that the tool is switched off.

To start the tool, press the "ON (I)" side of the switch. To stop the tool, press the "OFF (O)" side of the switch.

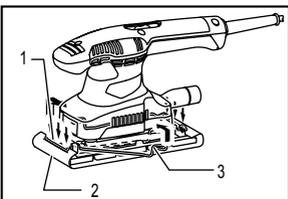
## ASSEMBLY

### ⚠CAUTION:

- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

### Installing or removing abrasive paper

For conventional type of abrasive paper with pre-punched holes (standard equipment):



1. Clamping part  
2. Abrasive paper  
3. Clamp lever

011318

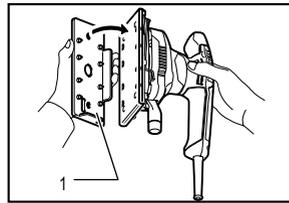
Open the paper clamp by raising on the lever to release from the locking port and then insert the paper end into the clamping part, aligning the paper edges even and parallel with the sides of the base. (Bending the paper beforehand makes attachment easier). Once the paper is in place, return the lever to its original position.

Repeat the same process for the other end of the base, maintaining the proper paper tension.

After inserting the paper, make sure the clamping part hold it securely. Otherwise the paper will be loose and subject to slippage, resulting in uneven sanding operation.

To remove the paper, release the clammer as stated above.

For conventional type of abrasive paper without pre-punched holes (available on the market):



1. Punch plate

011320

Open the paper clamp by raising on the lever to release from the locking port and then insert the paper end into the clamping part, aligning the paper edges even and parallel with the sides of the base. (Bending the paper beforehand makes attachment easier). Once the paper is in place, return the lever to its original position.

Repeat the same process for the other end of the base, maintaining the proper paper tension.

After inserting the paper, make sure the clamping part hold it securely. Otherwise the paper will be loose and subject to slippage, resulting in uneven sanding operation.

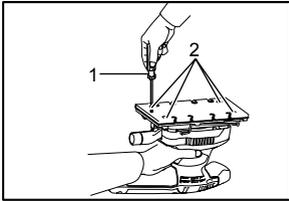
Place the punch plate (optional accessory) over the paper so that the guide of the punch plate is flush with the sides of the base. Then press the punch plate to make holes in the paper.

To remove the paper, release the clammer as stated above.

For hook-and-loop type of abrasive paper with pre-punched holes (optional accessory):

### ⚠CAUTION:

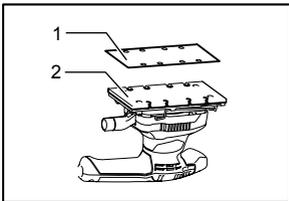
- Always use hook-and-loop type of abrasive papers. Never use pressure-sensitive abrasive paper.



1. Screwdriver
2. Screws

011322

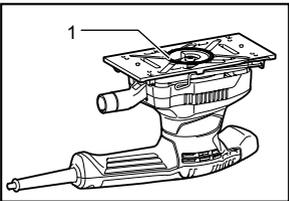
Remove the pad for the conventional type of abrasive paper from the tool with a screwdriver. Install the pad for the hook-and-loop type of abrasive paper (optional accessory) on the tool. Tighten the screws firmly to secure the pad.



1. Abrasive paper
2. Pad

011323

Remove all dirt or foreign matter from the pad. Attach the paper to the pad, aligning the holes in the paper with those in the pad.



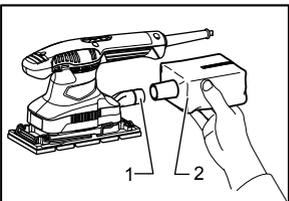
1. O-ring

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**CAUTION:**

- When removing the pad, O ring may come out of the tool. When this occurs, return the O ring to the original position and then install the pad.

**Dust bag (optional accessory)**



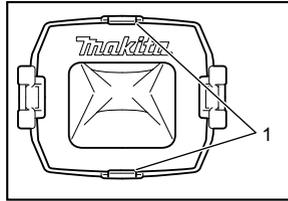
1. Dust spout
2. Dust bag

011324

Attach the dust bag onto the dust spout. The dust spout is tapered. When attaching the dust bag, push it onto the dust spout firmly as far as it will go to prevent it from coming off during operation.

For the best results, empty the dust bag when it becomes approximately half full, tapping it lightly to remove as much dust as possible.

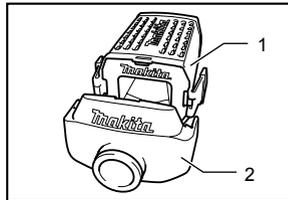
**Installing filter (Optional accessory)**



1. Holding tab

009094

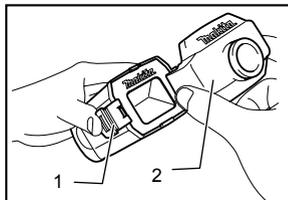
Make sure that the logo on the cardboard lip and the logo on the dust box are on the same side, then install the filter by fitting the cardboard lip in the groove of each holding tab.



1. Dust box
2. Dust nozzle

009095

Make sure that the logo on the cardboard lip and the logo on the dust nozzle are on the same side, then install the dust nozzle on the dust box. Removing dust box and filter.

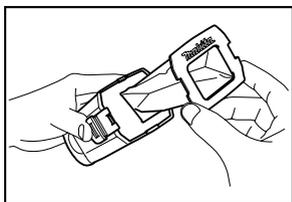


1. Latch
2. Dust nozzle

009092

Remove the dust nozzle by pushing the two latches.

replacement parts.

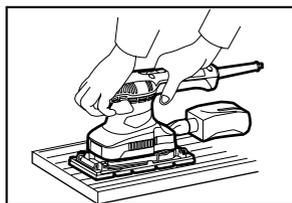


009093

Remove the filter first by pinching the logo side of its cardboard lip, then by pulling the cardboard lip downwards to move it out of the holding tab of the dust box.

## OPERATION

### Sanding operation



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#### ⚠CAUTION:

- Never run the tool without the abrasive paper. You may seriously damage the pad.
- Never force the tool. Excessive pressure may decrease the sanding efficiency, damage the abrasive paper and/or shorten tool life.

Hold the tool firmly. Turn the tool on and wait until it attains full speed. Then gently place the tool on the workpiece surface. A finishing sander is generally used to remove only a small amount of material at a time. Since the quality of the surface is more important than the amount of stock removed, do not bear down on the tool. Keep the base flush with the workpiece at all times.

## MAINTENANCE

#### ⚠CAUTION:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

To maintain product SAFETY and RELIABILITY, repairs, carbon brush inspection and replacement, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita



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