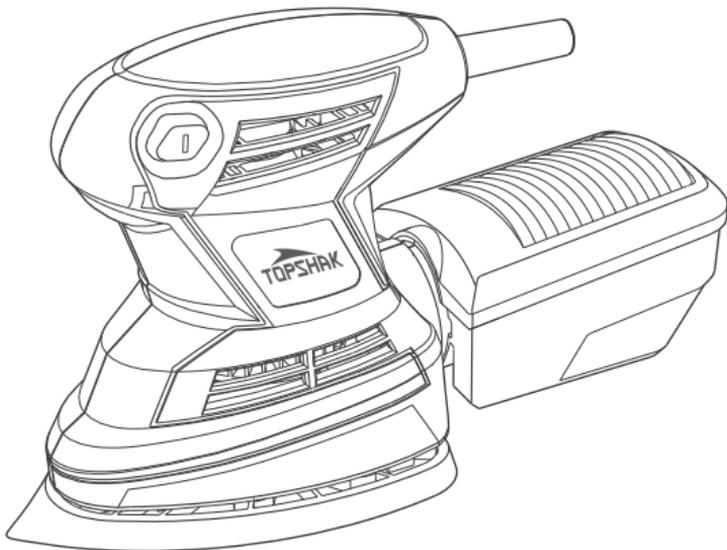


User Manual

TS-SD3



Leading new generation tool

Mouse Detail Sander



WARNING

Read all operating instructions carefully and comply with them.

Do not allow familiarity with power tools breed carelessness or contempt.

-  It is important to understand these instructions and to acquaint yourself with the tool, its correct usage and all safety requirements. Failure to do so may result in electric shock, fire and/or serious personal injury.
- Keep this owners manual in a safe and readily-available place.
- If you give the tool to any other person, give them these operating instructions as well.

NOTICE

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

1. Work Area Safety

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) 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.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2. Electrical Safety

- a) 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 the risk of electric shock.
- b) 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.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) 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.
- e) 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.
- f) If operating a power tool in a damp location or where water and electricity in close proximity is unavoidable, use an earth-leakage circuit-breaker such as a residual current device (RCD) or ground fault circuit interrupter (GFCI) protected supply. Use of an RCD or GFCI reduces the risk of electric shock.
- g) Tools marked "Double Insulated" do not require grounding. They have a special double insulation system which satisfies OSHA requirements and complies with the applicable standards of Underwriters Laboratories, Inc., the Canadian Standard Association, and the National Electrical Code.

3. Personal safety

- a) 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.

- b) 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. Have the switch on invites accidents.
- c) 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.
- d) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- e) 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.
- f) 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.



WARNING

Use personal protective equipment. Always wear eye protection.

Protective equipment such as dust mask, strong gloves, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries. Always use certified e.g. ANSI safety equipment.

- g)  Wear protective safety glasses with side shields. The operation of any power tool can result in flying debris. Everyday prescription eyeglasses are NOT protective safe glasses.
- h)  Wear hearing protection. Under some conditions and duration of use, the operation of this power tool may become noisy and affect hearing.
- i)  Wear a dust mask. Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contain harmful chemicals. Reduce your risk of exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

4. General Power Tool Use and Care

- a) 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.
- b) 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.
- c) 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.
- d) 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.
- e) 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.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) 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 in a hazardous situation.
- h) 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.

5. Specific Power Tool Safety Warnings

- 1) Hold the tool by its insulated gripping surfaces when performing an operation where the tool may contact hidden wiring or its own cord.

- 2) Unplug the sander before changing accessories. Accidental startups may occur if sander is plugged in while changing an accessory.
- 3) Always wear safety goggles and a dust mask when sanding, especially when sanding overhead.
- 4) A suitable breathing respirator must be worn while sanding chemically pressure treated objects.
- 5) Always wear ear protection during extended periods of operation.
- 6) Whenever possible, use clamping devices or other suitable means to secure the workpiece to a firm surface
- 7) Do not sand wet materials (e.g., wallpaper) or moist surfaces. Penetration of water into the machine increases the risk of an electric shock.
- 8) Do not use sandpaper larger than needed. Extra paper extending beyond the sanding pad can also cause serious lacerations.
- 9) Use the dust bag and empty it frequently. Do not throw sanding dust on an open fire because materials in particle form may be explosive.



WARNING

Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are: Lead from lead-based paints. Crystalline silica from bricks, cement, other masonry products. Arsenic and chromium from chemically-treated lumber. Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.



CAUTION

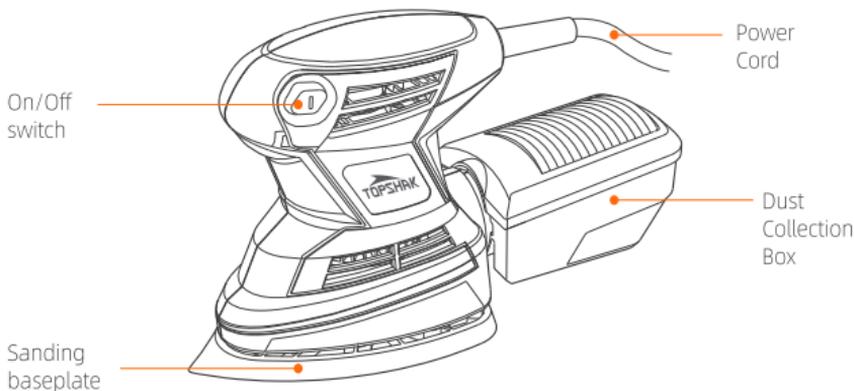
Risk of injury due to vibrations. Vibrations may, in particular for persons with circulation problems, cause damage to blood vessels and/or nerves. If you notice any of the following symptoms, stop working immediately and consult a doctor. Numbness of body parts, loss of sense of feeling, itching, pins and needles, pain, changes in skin colour.

You can reduce the risks considerably by following the tips below:

-Maintain the device in accordance with the instructions in the operating instructions. -Avoid working at low temperatures.

-When it is cold, make sure your body and your hands, in particular, are kept warm. -Take regular breaks and move your hands at the same time to promote circulation.

In The Box



For cleaning, deburring, smoothing, and sanding metal, wood, and plastic surfaces. Effective removal of corrosion and surface contamination. Finish on metal surfaces. Smoothing wood surfaces, removal of wood fibres before and after priming.

The unit is designed exclusively for non-commercial use to dry-sand wood, metal, plastic, plaster and varnished surfaces. The appliance is not suitable for sanding plaster-based substrates.

Specifications

Model:	TS-SD3
Rated Voltage	120V~ 60Hz
Current Rating	1.7A
No-Load Speed	15000 r/min
Base Size	5.5 x 5.5 x 3.1inch;Velcro base
Length Of Cable	2m with UL plug
Standard Accessories	Sander paper x 12pcs

Operating Instructions

INSTALLING AND REMOVING THE ABRASIVE DISC



CAUTION

For your safety, always turn off the switch and unplug the sander from the power source before performing any maintenance or cleaning.



Fig.2

1. Unplug the sander.
2. Remove all sanding dust or dirt from the sanding pad fig. 2
3. Align the holes on the abrasive disc with the holes in the sanding pad, making sure that the pad is centered and the edges are aligned with the edges of the sanding pad.
Note: The holes in the abrasive disc must line up with the sanding pad holes for the dust collection system to function properly.
4. Press the abrasive disc to the pad.

Replacement Sandpaper

Uses universal Velcro 3 7/8 in. x 5 1/2 in. detail sanding sheets with hook and loop backing found in most home improvement stores. Sanding sheets can have holes, removable discs or slots.

To Remove.

1. Unplug the sander.
2. Peel the disc off the sanding pad.

Installing And Removing The Dust Box

Your tool is equipped with a dust box, empty it frequently during use and before storing the sander.



1. To install dust box, align the notches on both sides of dust bag with the buckles on both sides of dust port and push the dust bag completely onto place over the dust port on the back of the sander (Fig. 3).
2. To remove dust box, simply pull away from the tool.

Note: The sander's dust collection system will only work if the sandpaper has holes that line up with the dust collection holes in the baseplate (there are 4 other holes in the baseplate for the screws). Sanding dust is only partially absorbed. Some dust remains on the work piece.

CAUTION

Be extremely careful of dust disposal, materials in fine particle form may be explosive. Do not throw sanding dust on an open fire. Combustion from mixture of varnishes, lacquers, polyurethane, oil or water with dust particles can occur if there is a static discharge, spark introduced in the box, or excessive heat.

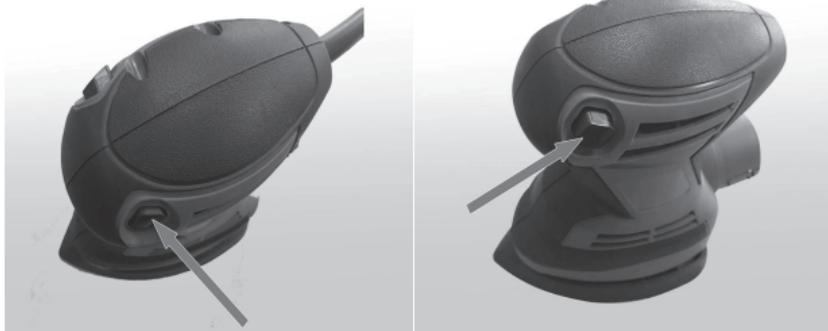
On/Off Switch

NOTICE

Always hold the sander off the work piece when turning the switch on or off. Contact the work piece after the sander has reached its full speed and remove it from the work before turning the switch off. Operating in this manner will prolong the tool life and will greatly increase the quality of your work.

This random orbit sander is equipped with a ON/OFF switch, located on the front of the handle. Make sure that the switch is in the off position (the "0" position, Fig. 4), then plug in the tool.

1. **TO TURN OFF:** press the switch to the off position (the "0" position, Fig. 4).
2. **TO TURN ON:** press the switch to the on position (the "1" position, Fig. 5).



1. To install dust box, align the notches on both sides of dust bag with the buckles on both sides of dust port and push the dust bag completely onto place over the dust port on the back of the sander (Fig. 3).
2. To remove dust box , simply pull away from the tool.

Note:

- a. To minimize sanding marks, keep the sander moving slowly while it is touching the work piece.
- b. Occasionally stop the sander and check the sandpaper for tears, wear, or fraying. If necessary, replace the sandpaper.
- c. Empty the dust bag regularly in order to ensure the optimum removal of dust by suction.
- d. From time to time, clean the dust exhaust opening with a dry brush.
- e. Clean the housing only with a damp cloth, do not use any solvents!

Maintenance



CAUTION

For your safety, always turn off the switch and unplug the sander from the power source before performing any maintenance or cleaning.

Periodic maintenance of your sander allows for long life and trouble free operation. The sander can generate considerable quantities of sanding residue. A cleaning and maintenance schedule should be maintained. As a common sense and preventive maintenance practice, follow these recommended steps:

1. Inspect the pad; check it for wear or damage.
2. Keep the ventilation slots of the motor clean to prevent overheating of the motor. Remove all dust from the ventilation slits of the motor. Use a vacuum cleaner or a brush.
3. Electric tools are subject to accelerated wear and possible premature failure when they are used to work on fiberglass, wallboard, spackling compounds or plaster. The chips and grindings from these materials are highly abrasive to electrical tool parts, such as bearings, brushes, commutators, etc. Consequently, it is not recommended that this tool be used for extended work on any fiberglass material, wallboard, spackling compound, or plaster. During any use on these materials, it is extremely important that the tool is cleaned frequently by blowing with an air-jet.
4. Use a soft clean and damp cloth to wipe the tool housing. A mild detergent can be used but nothing with alcohol, petrol or other cleaning agent. Never use caustic agents to clean plastic parts.
5. The sander requires no additional lubrication.

Troubleshooting



CAUTION

Disconnect power supply before service.

Problem	Possible cause	Fault correction
Tool will not start.	Cord not connected.	Check that cord is plugged in.
	No power at outlet.	Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads
	Tool's thermal reset breaker tripped (if equipped).	Turn off tool and allow to cool. Press reset button on tool.
	Internal damage or wear. (Carbon brushes or switch, for example.)	Have authorized service center service tool.
Tool operates slowly.	Extension cord too long or wire size too small.	Eliminate use of extension cord. If an extension cord is needed, use shorter/ heavier gauge cord.
Performance decreases over time.	Sandpaper is worn or damaged.	Replace as needed.
	Carbon brushes worn or damaged.	Have authorized service center replace brushes
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have authorized service center service tool.
Overheating	Forcing tool to work too fast.	Allow tool to work at its own rate.
	Accessory misaligned.	Check and correct accessory alignment.
	Sandpaper is worn or damaged.	Replace as needed.
	Blocked motor housing vents	Wear ANSI-approved safety goggles and NIOSH-approved dust mask/ respirator while blowing dust out of motor using compressed air.
	Motor being strained by long or small diameter extension cord.	Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load.



MADE IN CHINA

