INSTRUCTION MANUAL

RANKOR

MARBLE CUTTER

RMS150001

MADE IN CHINA

READ AND FOLLOW ALL SAFETY PRECAUTIONS IN THE INSTRUCTION MANUAL.

Content

Safety Notes

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, or severe injury. Save all warnings and instructions for future reference. The power tool in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

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 flammable liquids, gases or dust. Power tools create sparks that may ignite the dust or fumes.**
- **Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.**

Electrical safety

- **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.**
- **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.**
- **Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.**
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges and moving parts. Damaged or entangled cords increase the risk of electric shock.**
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use. Using a cord suitable for outdoor use reduces the risk of electric shock.**
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. The use of an RCD reduces the risk of electric shock.**

Personal safety

- **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.**
- **Use personal protective equipment. Always wear eye protection. Protective equipment such as dust masks, non-skid safety shoes, hard hats, and hearing protection for appropriate conditions will reduce personal injuries.**
- **Prevent unintentional starting. Ensure the switch is off position before connecting it to the power source or battery pack or picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools with the switch on invites accidents.**
- **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.**
- **Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.**
- **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.**
- **If devices are provided for connecting dust extraction and collection facilities, ensure these are connected and properly used. The use of dust collection can reduce dust-related hazards.**

Power tool use and care

- ▶ **Don’ t 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.**
- ▶ **Do not use the power tool if the switch does not turn on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.**
- ▶ **Disconnect the plug from the power source 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**
- ▶ **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.**
- ▶ **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. Poorly maintained power tools cause many accidents**
- ▶ **Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp edges are less likely to bind and are easier to control.**
- ▶ **Use the power tool, accessories, tool sets, etc., in accordance with these instructions, taking into account the working conditions and the work to be performed. Using the power tool for operations different from those intended could result in a hazardous situation.**

Service

- ▶ **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.**

Safety Warnings for Marble Cutter

- ▶ **Unplug from the power outlet before performing any adjustment, changing an accessory, or storing the tool. These preventive safety measures reduce the risks of electrical shocks and of turning the tool on by accident.**
- ▶ **Do not overload your tool; use it only for the adequate purpose. The correct power tool will do the job better and safer. Using the power tool for purposes different from what is indicated in the manual might lead to hazardous situations.**
- ▶ **Perform maintenance on your power tool. Check if the moving parts are misaligned, bent, or broken or if they bear any condition that might affect the correct operation of the machine. In case of finding an abnormality that can't be solved, or if in doubt, have the tool serviced before using it again. Many accidents are caused by a lack of correct maintenance of power tools.**
- ▶ **Keep the cutting tools sharp and clean. The proper maintenance of the tool's cutting edges prevents them from bending and improves handling.**
- ▶ **Keep hands away from the cutting blade and the cutting area; never put your hands under the workpiece because the cutting blade might cause serious injuries.**
- ▶ **Properly place the tool on the workpiece before turning the equipment on. Always pay attention to the position of the cutting blade, which is exposed.**
- ▶ **Keep hands away from the cutting blade and the cutting area; never put your hands under the workpiece. The disc spins under the workpiece, and putting your hand near the cutting area increases the risk of accidents.**
- ▶ **Do not hold the material to be worked in your hands or put it on your leg. The material must be adequately clamped down, reducing contact with the body and the possibility of losing control of the equipment.**
- ▶ **Hold your tool by the handle when working. Do not operate the tool on surfaces under which there might be electrical wires, water, or gas pipes. The contact with electrical wires or water might cause electrical shocks. The electric motor generates sparks that, if in contact with flammable gases, might cause an**
- ▶ **explosion.**

Always use blades of the correct size and with round holes. Blades with shapes that don't match the
- ▶ **backing flange on which they'll be assembled will work irregularly, causing a loss of control of the tool. Never use damaged or incorrect bolts or washers. The ones that come with your tool were specially manufactured for your grinder to provide the best performance and guarantee the safe operation of the equipment.**

- ▶Never plug or unplug the tool from the power outlet if either the plug or the power outlet is wet. First, turn off the circuit (circuit breaker or fuse) that energizes the tool. Then, remove the plug from the power outlet and check the plug and the presence of water.
- ▶Wait for the blade to come to a complete stop, noting that there is a period of inertial movement before the tool stops after it's turned off.
- ▶Use only accessories that are designed and compatible with the speed indicated on the tool and in this manual.
- ▶This tool might create or spread dust that may cause severe and permanent respiratory and other injuries. Work in well-ventilated places to reduce exposure to these substances, and always use a dust mask.
- ▶This product must not be used by people likely to lose consciousness suddenly. Examples: epilepsy, low or high blood pressure, sunstroke, etc.

Product Description and Specifications

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, or severe injury. While reading the operating instructions, unfold the graphics page for the machine and leave it open.

Intended Use

This tool was designed for light professional use. It must be used horizontally on a solid base and for wet-cutting mineral materials such as marble, granite, etc.

Product Features

The numbering of the product features refers to the illustration of the machine on the graphics page.

1. ON/OFF button

2. Lock-on button

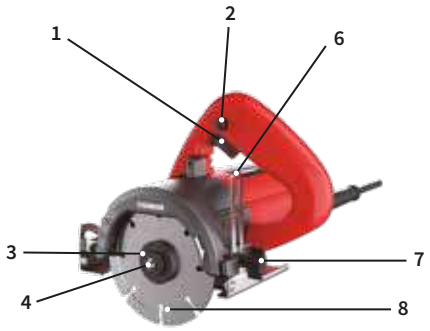
3. External flange

4. Clamping screw

6. Cutting-depth scale

7. Depth adjustment knob

8. Diamond blade



Technical Data

Model No.	RMS150001
No Load Speed	12800r/min
Max. Disc Diameter	110mm
Rated Power	1500W
Frequency	50/60Hz
Voltage	220-240V~

Assembly and Operation

1. **Before plugging your tool into the power outlet, check if the local power supply and your tool have the same voltage. Check if the tool is in good condition by performing a quick visual inspection. If any abnormality is found, immediately suspend the use and contact the nearest authorized dealer for repair.**
2. **To turn the tool on, press the on/off button. For continuous use, press the lock-on button to keep the tool operating. Press the on/off button to unlock. For assembly and disassembly adjustments, the tool must always be turned off, the power cord must be unplugged from the power outlet, and the blade must be stopped.**

Installing and removing the cutting blade

1. **Place the blade on the backing flange.**
2. **Tighten the flange nut firmly with the wrench and simultaneously turn the socket tool counterclockwise.**
3. **Make sure the bolt is firmly installed.**
4. **Use only the recommended blade in the correct diameter and thickness.**
5. **To remove the disc, follow the procedure mentioned above in reverse order.**

Adjusting the cutting depth

1. **To increase or reduce the cutting depth, loosen the bolt to adjust the cutting depth by turning it anti-clock wise.**
2. **When the desired depth is reached, fix the base by turning it clockwise.**
3. **The user can place the depth scale in the desired position at any moment.**
4. **Ensure the bolt to adjust the cutting depth is properly fixed before using the tool.**

Cutting

1. **Align the front part of the tool with the cut line on the workpiece. Hold the tool firmly.**
2. **Place the tool base on the workpiece without the blade touching it.**
3. **Turn on the tool and wait for the blade to achieve full speed.**
4. **Move the tool forward smoothly on the material's surface until the cut is complete. The cut line must be continuous.**
5. **This tool must be used only on horizontal surfaces.**
6. **Move the tool smoothly in a straight line. Forcing, excessively pressing, or letting the blade bend or get stuck in the cut might cause the motor to overheat and make the tool jolt dangerously.**
7. **For cutting deeper than 20 mm, make two or more notches to prevent the motor from bogging down.**

Adjustment of depth cutting: Loosen the butterfly nut slowly and push the base plate to adjust properly; the cutting depth shall not exceed 20 mm at most.

Motor Brushes

Ensure the tool is unplugged from the power outlet and the blade is stopped!

- ▶ **Remove the cover of the access port to the motor brushes and check the brushes regularly. Replace the motor brushes when they are 6 mm or shorter.**
- ▶ **Keep the motor brushes clean so that they move freely on the support. The two motor brushes must be replaced together.**
- ▶ **Use only FIXTEC motor brushes.**
- ▶ **Remove the old motor brushes, insert the new ones, and fix the cover.**

Assembling the Wet Cutting System

Use the wet cutting system only when the tool is protected by a circuit breaker for stray voltage.

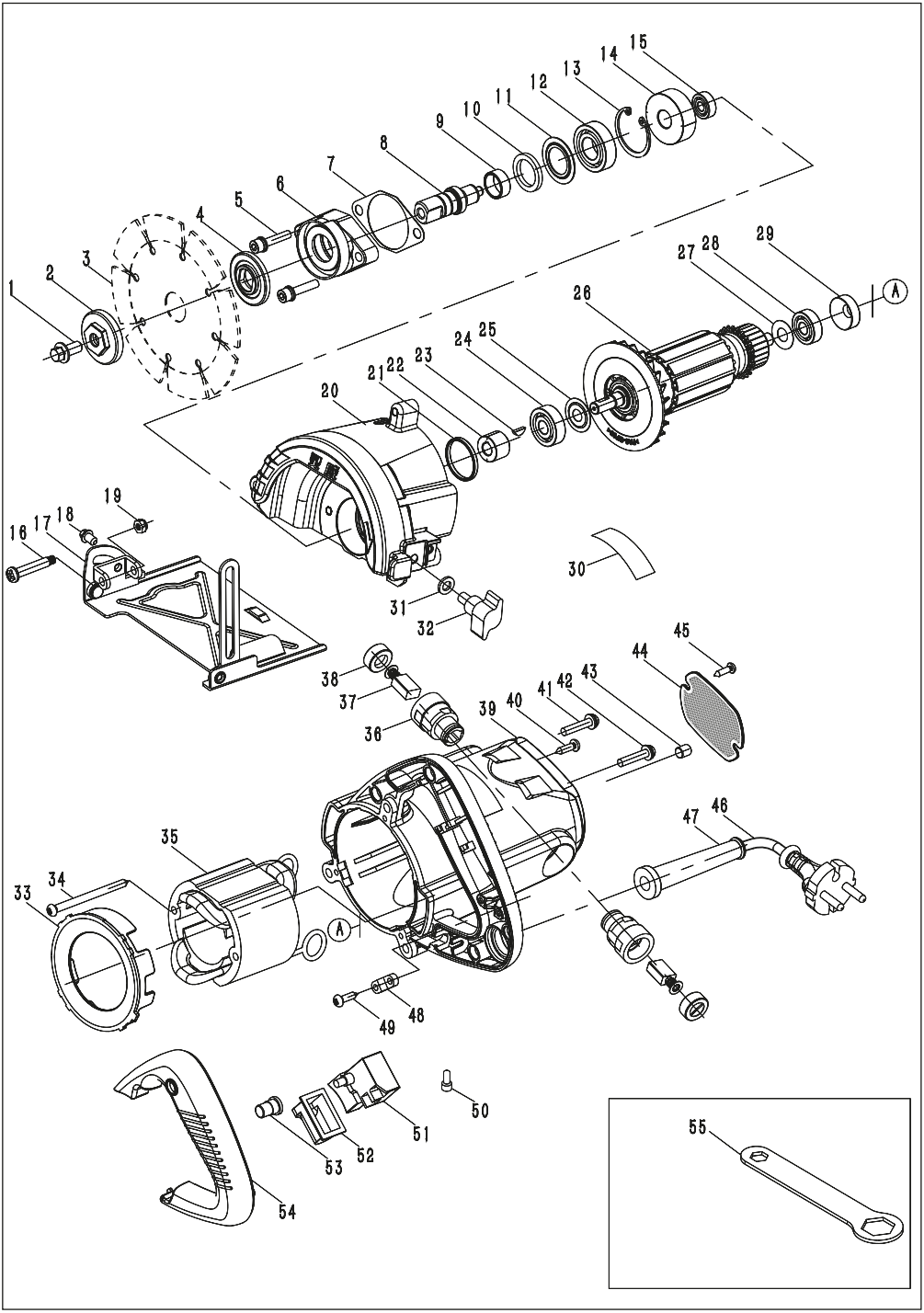
- **The wet cutting system is used to reduce dust production in the air, improve the quality of the cut, and increase the blade's life span.**
- **Connect the hose to the flow control valve.**
- **Connect the hose to the water supply point.**
- **Align the flow control valve set with the hole for the screw on the body of the tool.**
- **Tighten it firmly with the screw.**

CLEANING AND MAINTENANCE

- **Before performing any cleaning or maintenance, unplug the tool from the power grid.**
- **After use, clean the tool with a damp cloth (do not pour water on the tool) and store it in a clean, dry place protected from moisture and dust. Keep your tool out of reach of children and people unfamiliar with the use of the equipment.**
- **Do not pull or carry the tool by the electric cord or allow its contact with edges, sharp elements, rough surfaces, oil, or chemicals that may damage its flexible and insulating properties.**
- **Do not move the tool with the trigger locked in the "on" position.**
- **If required to repair or replace the electric motor brushes, contact the nearest assistance. Original parts must be used. The use of non-original parts may result in warranty loss and may cause damage to the equipment or injury.**

MARBLE CUTTER SPARE PARTS LIST

Exploded view No.	Part Name	Qty	Exploded view No.	Part Name	Qty
1	Hex flange bolt M8×18 - Left	1	29	608 Bearing sleeve	1
2	Upper pressure plate	1	30	Nameplate	1
3	Cutting disc	1	31	Flat washer φ12×φ6.5×1.5	1
4	Lower pressure plate	1	32	Adjustment screw	1
5	Hex socket screw set M5×25	1	33	Cable clamp	1
6	Front cover	1	34	Cross head self-tapping screw ST4×60	2
7	Sealing paper pad	1	35	Stator	1
8	Output shaft	1	36	Brush holder	2
9	Steel sleeve	1	37	Carbon brush	2
10	Wool circle φ25×φ18×3.5	1	38	Brush holder cover	2
11	Washer φ18.5×φ31.5×0.7	1	39	Casing	1
12	6002 Bearing	1	40	Cross head self-tapping s crew ST4×18	4
13	Hole elastic retainer 32	2	41	Cross head screw set M5×30	2
14	Large gear	1	42	Cross head screw set M5×25	1
15	606 Bearing	1	43	Hex socket flat head set screw M5×8	2
16	Cross shaft position screw M6×37	1	44	Wire mesh cover	1
17	Base plate	1	45	Cross head countersunk self-tapping screw ST4×10	2
18	Hex flange bolt M6×8	1	46	Cable 2×0.75mm²×2.5m	1
19	Lock nut M6	2	47	Sheath	1
20	Head shell	2	48	Cable clamp 17mm	1
21	Flat large O-ring	2	49	Cross head self-tapping screw ST4×14	2
22	Small gear	2	50	Connector cap	1
23	Semicircular key φ2.5×10	1	51	Switch	1
24	629 Bearing	1	52	Switch cover	1
25	629 Stainless steel washer φ29×φ9×0.5	1	53	Self-locking cap	1
26	Rotor	10	54	Handle cover	1
27	Washer φ8×φ18×0.5	1	55	Wrench	1
28	608 Bearing	1			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