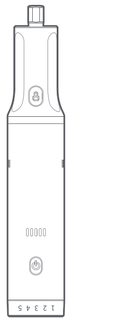
MOVA



8V Rotary Tool Kit Instruction Manual

MRT008

The illustrations in this manual are for reference only.
Please refer to the actual product for accuracy.

Safety Instructions
General Safety Warnings for Power Tools

⚠ **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 this warning refers to either mains powered (corded) power tools or battery powered (cordless) 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. Power tools create sparks, which may ignite 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, or 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. Use of an RCD reduces the risk of electric shock.
Note: The term residual current device (RCD) may be replaced by the term ground fault circuit interrupter (GFCI) or earth leakage circuit breaker (ELCB).
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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, or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to a power source and/or battery pack, picking up or carrying the tool.
- Carrying power tools with your finger on the switch or energizing 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 the connection of 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
- 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.
- 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.
- 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.
- Store idle power tools out of the reach of children and do not allow people 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 tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- Use the power tool, accessories, 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.

Battery Tool Use and Care
- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When the battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may leak from the battery; avoid contact. If contact occurs, rinse immediately with water. If the liquid gets into the eyes, seek medical attention immediately. Liquid ejected from the battery may cause irritation or burns.
- Do not use damaged or modified battery packs or tools. A damaged or modified battery pack may behave unpredictably and cause fire, explosion, or injury.
- Do not expose the battery pack to fire or high temperatures. Exposure to fire or temperatures above 130°C may cause the battery pack to explode.

Service
- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure the safety of the power tool.
- Never attempt to service a damaged battery pack. The battery pack should only be serviced by the manufacturer or an authorized service provider.

Additional Safety Instructions

General safety warnings for sanding, sanding, wire sanding, polishing or sanding and cutting operations:
(1) This power tool is intended to perform the function of a sander, sanding machine, wire brush, polisher or cut-off tool. Read all safety warnings, instructions, illustrations and regulations supplied with this power tool. Failure to understand all instructions listed below will result in electric shock, fire and/or serious injury.
(2) Do not use an accessory that is not recommended and specifically designed by the tool manufacturer.
Otherwise the accessory may be fitted to your power tool and it will not guarantee safe operation.
(3) The rated speed of the accessory must be at least equal to the maximum speed indicated on the power tool.
Accessories operating at speeds greater than their rated speeds can burst and splash.
(4) The outside diameter and thickness of the accessory must be within the rated capacity of the power tool.
Incorrect accessory sizes cannot be adequately guarded or controlled.
(5) Grinding wheels, flanges, backing pads, or any other accessory must have a bore sized for mounting to the spindle or flange of the tool.
Accessories with shaft holes that do not fit the power tool mounting will destabilize, vibrate excessively and cause loss of control.
(6) Do not use damaged accessories. Inspect accessories before each use, e.g., grinding wheels for chips and cracks, backrest pads for cracks, tears or excessive wear, wire brushes for looseness or broken wires. If a power tool or accessory has been dropped, check for damage or install an undamaged accessory. After inspecting and installing the accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at its maximum unloaded speed for 1 min.
Damaged accessories will usually shatter during this test.
(7) Wear protective equipment. Use a face shield, safety goggles or safety glasses as applicable. When applicable, wear a dust mask, hearing protection, gloves, and a workshop apron that will deflect small abrasive or workpiece debris. Eye protection must deflect flying debris from all types of operations. Dust masks or mouthpieces must be able to filter particles generated by the operation.
Prolonged exposure to high intensity noise can cause deafness.
(8) Keep bystanders at a safe distance from the work area. Anyone entering the work area must wear protective equipment. Pieces of workpieces or broken accessories may fly out and cause injury to bystanders immediately behind the operating area.
A cutting accessory touching a live wire can electrify exposed metal parts of the power tool and electrocute the operator.
(9) Hold the power tool only by the insulated gripping surface when operating in a location where the cutting accessory may cut into a concealed wire or its own electrical wiring.
The cutting accessory touching a live wire may electrify the exposed metal parts of the power tool and expose the operator to the risk of electric shock.
(10) Keep the flexible cord away from rotating accessories.
If not properly controlled, the flexible cord could be cut or tangled and make it possible for your hand or arm to become entangled in the rotating accessory.
(11) Do not lower the power tool until the accessory has completely stopped moving.
Rotating accessories may grab surfaces and pull on the power tool and cause you to lose control of the tool.
(12) Do not start the power tool when carrying it.
Accidentally touching the rotating accessory could entangle your clothing and cause the accessory to injure your body.
(13) Clean power tool vents frequently.
Motor fans can draw dust into the housing, and excessive metal powder deposits can lead to electrical hazards.
(14) Do not operate power tools near flammable materials.
Sparks may ignite these materials.
(15) Do not use accessories that require coolant.
Using water or other coolant may cause galvanic corrosion or electric shock.

Further Safety Instructions for All Operations

Backlash and Related Warnings
Bounce is a sudden reaction force caused by a jammed or entangled rotating grinding wheel, backing pad, wire brush, or other accessories. Jamming or entanglement causes a rapid blockage of the rotating accessory and subsequent movement of the uncontrolled power tool in the opposite direction of rotation of the accessory at the point of jamming. For example, if a grinding wheel is entangled or jammed in the workpiece, the edge of the wheel that extends into the jamming point may enter the surface of the material and cause the wheel to climb out or rebound. The wheel may fly toward or away from the operator, depending on the direction of motion of the wheel at the point of jam.
The grinding wheel may also shatter under these conditions.

Bouncing is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking the proper precautions given below.
(1) Maintain a firm grip on the power tool so that your body and arms are in the correct position to resist the bouncing force. If an auxiliary handle is available, it should be used straight to maximize control of the rebound force or counter-moment at start-up.
If proper precautions are taken, the operator can control the counter moment or rebound force.
(2) Never put your hand close to the rotating accessory.
The accessory may bounce back against the hand.
(3) Do not stand where the power tool will move if rebound occurs.
The rebound will drive the tool against the direction of wheel movement at the point of entanglement.
(4) Be especially careful when working on sharp corners, edges, etc. Avoid bouncing and entanglement of accessories. Avoid bouncing and tangling accessories.
Sharp corners, edges and bouncing have a tendency to entangle rotating accessories and cause uncontrolled bouncing.
(5) Do not attach saw chains, wood carving blades or band saw blades.
These saw blades produce frequent bouncing and runaway.

Additional Safety Instructions for Sanding and Cutting Operations

Specialized safety warnings for grinding and abrasive cutting operations:
(1) Use only the type of grinding wheel recommended for the power tool and a guard specifically designed for the grinding wheel selected.
Grinding wheels not designed for power tools cannot be adequately guarded and are unsafe.
(2) Use the grinding wheel only for the recommended purpose. For example, do not grind with the side of a cut-off wheel.
The force applied to the side of the grinding wheel may break it.
(3) Always use an undamaged wheel flange of the proper size and shape for the selected wheel. A properly fitted wheel flange supporting the wheel reduces the likelihood of wheel breakage.
Cutting wheel flanges can be different from wheel flanges.
(4) Do not use worn grinding wheels from large size power tools.
Grinding wheels used on large size power tools are not suitable for the high speed conditions of smaller size tools and may burst.

Additional Safety Instructions for Cutting Operations

Additional specialized safety warnings for wheel cutting operations:
(1) Do not "clamp" the cutting wheel or apply excessive pressure. Do not attempt to cut too deeply.
Overstressing the wheel increases the load on the wheel during cutting, tends to tangle or jam, and increases the likelihood of backlash or wheel bursting.
(2) Do not turn your body toward the rotating grinding wheel or stand behind it.
When moving the wheel away from the operator's side at the point of operation, the possible rebound can cause the rotating wheel and power tool to push toward you.
(3) When the grinding wheel is jammed or cuts are interrupted for whatever reason, turn off the power tool and hold the tool still until the grinding wheel comes to a complete stop.
Never attempt to disengage the cutting wheel from the cut while the wheel is still running or rebound will occur. Investigate and take corrective action to eliminate the cause of wheel jamming.
(4) The cutting operation must not be restarted on the workpiece. Allow the grinding wheel to reach full speed before carefully re-entering the cut.
If the power tool is restarted on the workpiece, the grinding wheel may jam, climb up or bounce.
(5) Supports and panels or oversized workpieces minimizes the risk of wheel jamming and bouncing. Large workpieces sag under their own weight.
Supports must be placed under the workpiece near the cut line and on both sides of the wheel near the edge of the workpiece.
(6) Use extreme caution when making "blind cuts" into walls or other blind areas.
An outstretched wheel may cut into gas or water pipes, electrical wires, or objects that could cause a rebound.

Additional Safety Instructions for Sanding Operations

Safety warnings specific to sanding operations:
When sanding, do not use oversized sanding disc paper. Follow the manufacturer's recommendations when selecting sanding disc paper. Large sanding disc paper that exceeds the sanding pad discs poses a risk of tearing and can cause the discs to tangle, tear or bounce.

Additional Safety Instructions for Polishing Operations

Safety warnings specific to polishing operations:
Do not allow any loose portion of the polishing cap or attached cord to rotate, retract or adjust a loose attached cord.
Loose and rotating attached cords can entangle fingers or snag on the workpiece.

Additional Safety Instructions for Wire Brush Operations

Safety warnings specific to wire brush operations:
(1) Be aware that the wire strands can be thrown out with the brush even during normal operation. Do not overstress the wire by placing excessive loads on the brush. The wire brush may easily pierce thin clothing or skin.
(2) If a guard is recommended for the wire brush, do not allow the guard to interfere in any way with the wire wheel or brush. The diameter of the wire wheel or brush will increase under work load and centrifugal force.

Safety Warnings About the Tool's Built-in Battery

This tool has a built-in battery, so please be careful of the following when using the tool:
(1) It is prohibited to disassemble, open or shred the tool.
(2) Prohibit exposure of the tool to heat or flame. Avoid storing in direct sunlight.
(3) Do not short-circuit the exposed terminals of the tool. Do not store multiple tools in a box or drawer in such a way as to prevent them from short-circuiting each other or being short-circuited by other metal objects.
(4) Do not subject the tool to mechanical shock.
(5) In the event of battery leakage, do not allow the leaked liquid to come into direct contact with the skin or eyes. If contact occurs, flush the skin with plenty of water and seek medical attention.
(6) Do not use a charger that is not specific to the device.
(7) Keep tools away from children.
(8) Do not use non-equipment specific batteries.
(9) Keep the tool clean and dry.
(10) If the charging extremity of the tool becomes dirty it should be wiped with a clean, dry cloth.
(11) The tool should be charged before use. Use the correct charger and refer to the manufacturer's instructions or the correct instructions in the equipment instruction manual for charging.
(12) Do not charge the tool for long periods of time when not in use.
(13) After prolonged storage, the tool needs to be subjected to several charge/discharge cycles to obtain optimum performance.
(14) Use the battery at room temperature (20°C±5°C) for best performance.
(15) Keep the original instruction manual of the product for future reference.
(16) Handle the battery properly.

Symbols

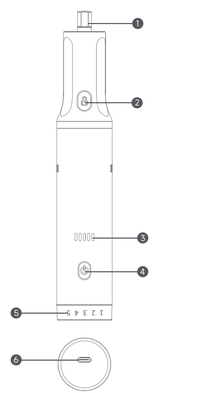
CE	This product conforms to relevant safety standards.
	To reduce the risk of injury, the user must read the instruction manual.
	Do not dispose of old appliances with domestic rubbish.
Li-ion	Separate collection symbol - Battery with heavy metal element "**Li-ion**".

Powered by MOVA

Scan the QR code to view the product tutorial and electronic manual

Manufacturer: Woting Technology (Suzhou) Co., Ltd.
Address: Floor 9, Building B, No. 7 Qianzhu Road, Taihu Lake Street, Wuzhong District, Suzhou, Jiangsu Province, P.R.China

Product Overview



1. Chuck Nut
2. Spindle Lock
3. Cooling Vents
4. Power Button /Speed Control Button
5. Speed Indicator/Power Indicator
6. USB-C Charging Port

Specifications

Model	MRT008
Net Weight	260 g
Dimensions	207 mm (L) x 37 mm (Ø)
Rated Voltage	7.2 V
No-load Speed	10000-28000 r/min
Battery Type	Lithium battery
Battery Capacity	1100 mAh

Accessories

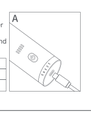
Clamping head	3.0 mm x 1 (built into the device body) 2.35 mm x 1 3.17 mm x 1
Drill bit	3.17 mm x 2
Grinding head	Sand ring x 4 Sand ring stretching wheel x 1, Shank diameter 3.17 mm Corundum cylindrical grinding head x 1, Shank diameter 3.0 mm Red corundum cylindrical grinding head x 1, Shank diameter 3.0 mm Corundum conical grinding head x 1, Shank diameter 3.0 mm Red corundum conical grinding head x 1, Shank diameter 3.0 mm Corundum spherical grinding head x 1, Shank diameter 3.0 mm Red corundum spherical grinding head x 1, Shank diameter 3.0 mm Red corundum trapezoidal grinding head x 1, Shank diameter 3.0 mm Corundum trapezoidal grinding head x 1, Shank diameter 3.0 mm Red corundum T-shaped grinding head x 1, Shank diameter 3.0 mm
Milling cutter	Diamond bulb x 1, Shank diameter 3.17 mm Diamond cone x 1, Shank diameter 3.17 mm Diamond cylinder x 1, Shank diameter 3.17 mm
Brush	Nylon brush x 1, Shank diameter 3.0 mm Diamond brush x 1, Shank diameter 3.0 mm Disc metal brush x 1, Shank diameter 3.17 mm
Diamond needle	Diamond grinding needle x 1, Shank diameter 3.0 mm
Felt polishing wheel	Felt wheel x 4 Felt grinding head x 3, Shank diameter 3.0 mm Core bar of felt wheel x 1, Shank diameter 3.17 mm
Cutting blade	Corundum cutting blade x 1 Stainless steel cutting blade x 1 Rock-slag cutting blade x 4 Cutting blade arbor x 2, Shank diameter 3.0 mm
Wrench	Wrench x 1
Charging cable	Charging cable x 1

Operations

⚠ **Note:** Please read the instructions carefully before using the product.

1. Preparation Before Use
- Please charge the product before first use.
- When charging the product, insert the charger plug into the power outlet, the power indicator ⑤ icon will light up and show the charging status.

Charging Status	Indicator Light
Charging	Blinking
Fully charged	Steadily on



⚠ **Note:** We recommend using a power supply of 5V, 2A or above for charging.

2. Installation
⚠ **WARNING**: Disconnect the charging cable before operation. Never use the device while charging, as this may cause safety hazards or equipment damage.
1. Press the **Spindle Lock** button ② and hold it.
2. Loosen (but not detach) the chuck nut ① by hand or with a wrench (included in accessories) until accessories can be fixed in. After installing the accessories, rotate the chuck nut until the accessories are locked.
⚠ **Notes**
- Do not press the **Spindle Lock** button while the device is running.
- Whenever possible, replace the accessory by inserting it into the chuck nut to minimize unbalance.
- The device comes with a factory-installed 3.0 mm clamping head. The accessory kit includes additional 2.35 mm and 3.17 mm clamping heads. To replace:
1. Manually unscrew the chuck nut. (**counterclockwise**)
2. Remove the original clamping head.
3. Install the accessory clamping head.
4. Securely tighten the chuck nut. (clockwise)

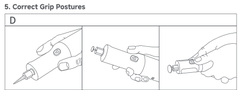


3. Power on/off
- **Power on**: Short press the **Power** button 4) icon to turn on the device, and it will automatically enter 1st gear.
- **Power off**: Press and hold the **Power** button for 3 seconds, the device will automatically shut down.
⚠ **Notes**
- Do not put the device down while it is running.
- Overloading during operation will activate overcurrent protection. Frequent overloading can cause motor overheating.



4. Speed Adjustment
After the device is turned on, short press the **Speed Control** Button, you can adjust the rotational speed.
⚠ **Notes**
- Do not place the device on dusty surfaces. Dust particles may enter the device thus affecting the use of the device.
- Excessive loading at low speeds may cause motor overheating due to insufficient cooling.

5. Correct Grip Postures

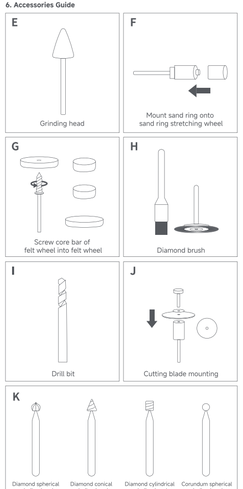


a
Pencil Grip
Precision work (e.g., carving)

b
Peeler Grip
Rough work (e.g., grinding)

c
Golf Club Grip
Parallel-surface work (e.g., cutting wheels)

6. Accessories Guide



7. Rotational Speed Regulation
⚠ **Note:** For proper use of the accessories, refer to the table below for recommended speeds when working with different materials.

Functions	Image Ref	Accessories	Cork	Hard wood	Plastic	Steel	Aluminum, copper etc.	Shells, stone	Ceramics	Glass
Grinding/ Sharpening	E	Grinding head	/	/	4-5	4-5	4-5	4-5	4-5	/
Sand grinding	F	Sand ring	2-5	2-5	2-5	2-5	2-5	2-5	2-5	/
Cleaning /Polishing	G/H	Stainless steel flat brush	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4
		Felt wheel/Core bar of felt wheel	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5
Drill hole	I	Drill bit	4-5	4-5	4-5	/	/	/	/	/
Carving	K	Diamond grinding needle	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5
Cutting	J	Milling cutter	3-5	3-5	3-5	/	/	/	/	/
		Diamond blade	/	/	/	4-5	4-5	/	/	/
		Saw blade	/	/	/	/	4-5	4-5	4-5	4-5
Accessories		Clamping head	For accessories with a diameter of 3.00 mm/3.17 mm/2.35 mm							
		Wrench	Mounting/dismounting accessories							
		Cutting blade arbor	Connecting rubber corundum grinding blades/sandpaper/diamond cutting blades/cutting blades/grinding blades							
		Sand ring stretching wheel	Mounting sand rings							

Gear Settings

Gear	1	2	3	4	5
RPM	10000±10%	14000±10%	18000±10%	22000±10%	28000±10%

Maintenance

- Your device does not require additional lubrication or other maintenance.
- Do not clean your device with water or chemical cleaners. Simply wipe it with a dry cloth.
- Store your device in a dry environment and keep the motor vents clean.
- Avoid using the device in excessively dusty environments whenever possible.

Disposal

CAUTION: Batteries/rechargeable batteries must not be disposed of with household waste!
- **Please return any electrical equipment that you will no longer use to the collection points provided for their disposal.**
This helps avoid the potential effects of incorrect disposal on the environment and human health.
This will contribute to the recycling and other forms of reutilisation of electrical and electronic equipment.
- **Information concerning where the equipment can be disposed of can be obtained from your local authority.**
Your town or local authority can provide information about public collection points. This symbol can be found on batteries/rechargeable batteries which contain hazardous:

Pb = contains lead
Cd = contains cadmium
Hg = contains mercury
Li = contains lithium

Disclaimers

This product contains certain hazardous substances that are exempt under applicable environmental regulations. Please be aware of the following statements.

1. 25-Year Eco-Friendly Use Period
From the date of production, the product guarantees:
- No leakage or chemical mutation of toxic/hazardous substances
- No significant environmental pollution risks
- No adverse effects on users' health or property

2. Post-Use Requirements
After 25 years, the product must enter formal recycling systems.

3. Important Distinctions
The Eco-Friendly Use Period is strictly an environmental reliability timeframe, and differs from:
- Product safety lifespan (determined by electrical/mechanical performance)
- Manufacturer's warranty period
- Electromagnetic safety compliance periods

Material Composition Statement:
Power Switch: Contacts contain Cadmium.
Batteries: PCB solder contains lead.
Printed Circuit Board: Solder contains lead.
Motor Assembly:
- Copper brush holders contain lead.
- Oil-impregnated bearings contain lead.
Copper Inserts:
- Electrical terminal blocks: Lead-containing copper alloy
- Housing fasteners: Lead-containing copper rivets

After-Sales Service Card

Warranty
1. The product is warranted for 1 year from the date of purchase. Please refer to your local laws and regulations for the specific warranty period applicable in your area.
2. During the warranty period, if any non-human-induced quality issues occur, the product is eligible for free repair or replacement after confirmation by our company.
3. The warranty does not cover any of the following:
- Product failures or damages caused by the consumer due to improper use (not following the 'Safety Information' and 'Cautions' in the product manual), maintenance, or storage (including operational errors, liquid ingress, incorrect plugging/unplugging, scratches, handling, bumps, inputting inappropriate voltage, inhaling white ash, sand, dust, special adhesive chemicals, metal, and other micro-particles, etc.);
- The whole machine and accessories have exceeded the free warranty period;
- Normal wear and tear, and consumable parts (such as scratches on the shell);
- Damage caused by disassembly by oneself or by non-MOVA authorized service centers;
- No valid proof and valid invoice or invoice copy;
- The model and product attributes on the proof do not match the model attributes of the repaired product or have been altered;
- Damage caused by natural disasters, accidents, or other irresistible forces.

4. For more warranty information, please refer to the official MOVA website: https://www.mova.tech/

CONTACT US
https://www.mova.tech/pages/contact-us