

Supplier:

K&FP Limited

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Manufacturer:

Yongkang Meiloy-K&FP Tools Co.,Ltd.

No.218 Meilong Rd., Yongkang, Zhejiang, China

IMPORTANT SAFETY INSTRUCTIONS

**WARNING**

READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

WORK AREA SAFETY

- Keep 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 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 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 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. Use of 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 ground fault circuit interrupter (GFCI) protected supply. Use of an GFCI 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 a dust mask, non-skid safety shoes, hard hat 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 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 that have 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 jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry 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. Use of dust collection can reduce dust-related hazards.
- Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

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 remove the battery pack, if detachable, 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 and accessories. 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.
- 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.
- Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.



OPERATOR'S MANUAL
MANUAL del OPERADOR
用户使用说明书



EB212

CORDLESS RANDOM ORBITAL POLISHER



WARNING
ADVERTENCIA
警告

To reduce the risk of injury, user must read and understand operator's manual.
Para reducir el riesgo de lesiones, el usuario debe leer y entender el manual.
为了降低受伤风险，用户必须阅读并理解使用说明书

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 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 be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 265°F (130°C) may cause explosion.
- Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

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.
- Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

SPECIFIC SAFETY RULES FOR POLISHERS

- This power tool is intended to function as a polisher. Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.
- Operations such as grinding, sanding, wire brushing or cutting-off are not recommended to be performed with this power tool. Operations for which the power tool was not designed may create a hazard and cause personal injury.
- Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation.
- The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.
- The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be

adequately guarded or controlled.

- Threaded mounting of accessories must match the polisher spindle thread. For accessories mounted by flanges, the arbour hole of the accessory must fit the locating diameter of the flange. Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
- Do not use a damaged accessory. Before each use inspect the accessory such as, backing pad for cracks, foam pads tear or excess wear. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this test time.
- Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
- Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.
- Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
- Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- Do not operate the power tool near flammable materials. Sparks could ignite these materials.
- Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.
- Kickback and Related Warnings

Kickback is a sudden reaction to a pinched or snagged rotating pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.

For example, if an foam pad is snagged or pinched by the workpiece, the pad may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Pads may also break under these conditions.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces, if proper precautions are taken.

►Never place your hand near the rotating accessory. Accessory may kickback over your hand.

►Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.

►Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory. Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

►Do not attach a saw chain woodcarving blade or toothed saw blade. Such blades create frequent kickback and loss of control.

►Safety Warnings Specific for Polishing Operations:
Do not allow any loose portion of the polishing backing plate or its attachment strings to spin freely. Tuck away or trim any loose attachment strings. Loose and spinning attachment strings can entangle your fingers or snag on the workpiece.

ADDITIONAL SAFETY WARNINGS

WARNING! To reduce the risk of injury, when working in dusty situations, wear appropriate respiratory protection or use an OSHA compliant dust extraction solution.

►Always use common sense and be cautious when using tools. It is not possible to anticipate every situation that could result in a dangerous outcome. Do not use this tool if you do not understand these operating instructions or you feel the work is beyond your capability; contact SHINEMATE or a trained professional for additional information or training.

►Maintain labels and nameplates. These carry important information. If unreadable or missing, please contact a SHINEMATE service facility for assistance.

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 paint
- crystalline silica from bricks and cement and other masonry products, and
- 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 those dust masks that are specially designed to filter out microscopic particles.

suddenly "kick back" and it may cause the pad to burn through the paint. To reduce the risk of snagging, use the polisher at low speeds when polishing rough surfaces. For tricky areas such as near trim or between a mirror and window on a car, do not take chances with a polisher. Polish these surfaces by hand.

MAINTENANCE

WARNING!
To reduce the risk of injury, always unplug the charger and remove the battery pack from the charger or tool before performing any maintenance.
Never disassemble the tool, battery pack or charger. Contact a SHINEMATE service facility for ALL repairs.

Maintaining Tool

Keep your tool, battery pack and charger in good repair by adopting a regular maintenance program. Inspect your tool for issues such as undue noise, misalignment or binding of moving parts, breakage of parts, or any other condition that may affect the tool operation. Return the tool, battery pack, and charger to a SHINEMATE service facility for repair. After six months to one year, depending on use, return the tool, battery pack and charger to a SHINEMATE service facility for inspection. If the tool does not start or operate at full power with a fully charged battery pack, clean the contacts on the battery pack. If the tool still does not work properly, return the tool, charger and battery pack to a SHINEMATE service facility for repairs.

WARNING! To reduce the risk of personal injury and damage, never immerse your tool, battery pack or charger in liquid or allow a liquid to flow inside them.

Cleaning

- Clean out dust and debris from the tool vents and electrical contacts by blowing with compressed air.
- Remove dirt and dust from the housing with a paint brush or dry cloth, keeping away from all electrical contacts.
- Never use flammable or combustible solvents around batteries, charger, or tools.
- Never immerse your tool, battery or charger in liquid or allow a liquid to flow inside them.

Repairs

For repairs, return the tool, battery pack and charger to the nearest authorized service center.

ACCESSORIES

WARNING! Use only recommended accessories. For a complete listing of accessories, go online to www.SHINEMATE.com or contact a distributor.

EXEMPTION FROM LIABILITY

The manufacturer and his representative are not liable for any damage and lost profit due to interruption in business caused by the product or by an unusable product.

SPECIFICATIONS

Model EB212
Product Cordless Random Orbital Polisher
Orbit Size 12mm
No Load Speed 4000-7000/min
Input Voltage 10.8V DC
Backing Plate 74mm(3")
Foam/Wool Pad 80-90mm
*Weight 0.78kg
Thread 1/4"-20
Dimension 203.5x106x80mm

*no battery pack or accessories

INTENDED USE

The polisher is designed for industrial and automotive surface polishing works.

Complied buffing and polishing pads:
Foam pads, wool pads, felt pads, micro-fiber pads

Complied battery packs:
B1225A 10.8V (2.5 Ah)
B1250A 10.8V (5.0 Ah)

Complied chargers:
BC121
BC122

WARNING! Only use the charger and battery pack specified by SHINEMATE. Read the operator's manual supplied with your charger and battery.

FUNCTIONAL DESCRIPTION



- 1. Foam Pad
- 2. Backing Plate
- 3. Accelerator Switch
- 4. Control Panel
- 5. Battery Pack

SYMBOLOLOGY



Before switching on the power tool, read the operating manual!



Device is suitable for use indoors only. Store electric power tool and batteries in dry rooms.



There is a risk of electric shock in case of incorrect use.



Only charge batteries at temperatures between 4°C to 40 °C. Protect the battery from heat, e.g. from continuous exposure to sunlight and fire.



Do not throw battery in the fire. There is a risk of explosion.



Do not expose the device to rain, keep the device away from water.



Recycling raw materials instead of waste disposal. Do not throw the electric power tools into the household waste! Power tools must be collected separately and recycled in an environmentally friendly manner.

ASSEMBLY

Removing/Inserting the Battery

To remove the battery, push in the release buttons and pull the battery pack away from the tool.

WARNING! Always remove battery pack before changing or removing accessories.

To insert the battery, slide the pack into the body of the tool. Make sure it latches securely into place.

Installing Polishing Pads/Backing Plate

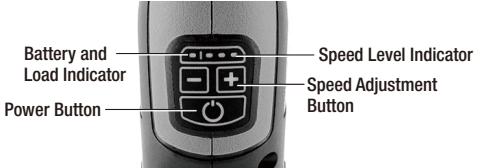
- 1.To install, remove the battery pack and place the tool on its tool rest with the machine upright.
- 2.Attach the backing plate onto the spindle.
- 3.Use hex-wrench to secure the backing plate with the bolt supplied with the machine.
- 4.Press the polishing pad securely onto the backing plate. Use a centering tool, if provided, to ensure the pad is aligned for proper balance.
- 5.To uninstall, remove the battery pack and reverse the procedure.

OPERATION

Starting, Stopping and Controlling Speed

Generally, lower speeds are recommended for tight work areas and higher speeds are ideal for large surface areas. Use the speed control button to set the maximum speed for the application.

- 1.Press the power button, the LED light on the right side lights up green, the machine is activated.
- 2.When activated, press the switch to start the machine; release the switch to stop.
- 3.The speed can be adjusted by compression of the trigger.
- 4.Double-click the switch to make the machine work continuously; click the switch again to stop the machine.
- 5.The battery power reserve and load conditions of the machine indicated by the smart load indicator LED on the left side:
 - **Green:** sufficient battery power reserve/light load
 - **Yellow:** medium battery power reserve/medium load
 - **Red:** Low battery power reserve/heavy load
- 6.In activation mode, the maximum rpm can be adjusted by pressing the speed adjustment button "+" or "-".
- 7.The three LED lights on the right side of the control panel are speed level indicator; one LED light represents two speed levels.
- 6-Level Speed: 4,000, 4,600, 5,200, 5,800, 6,400, 7,000 rpm.
- 8.Sleep mode:
 - When the machine is in the activated state, it will automatically enter the sleep mode if there is no action for 5 minutes;
 - When in the sleep state, the power indicator light will be off.
- 9.Speed memory function: when the machine is turned off and restarted, the speed level before shutdown will be retained.



Polishing

Always use side or bail handle for proper control. Move the polisher back and forth in long, sweeping strokes. Too much pressure, the wrong angle or improper motion may cause swirl marks or burning. For detailed polishing instructions, read the instructions provided with the finishes, waxes and polishes.

Preventing Burning Through Paint

It is easy to burn through the paint on a surface. This can occur if you polish at too high a speed or if you allow the polishing pad to stay in one spot for even a short period of time. To prevent burning through paint, use very light pressure and keep the polisher moving constantly, especially when working near edges or where there are abrupt changes in the contour of the work surface. Be particularly careful when using higher RPM's which are more likely to burn through paint.

WARNING! To reduce the risk of injury, follow instructions for preventing snagging. Snagging may cause the tool to kick back and the operator to suddenly lose control of the tool.

Preventing Snagging

Snagging occurs when polishing pads get caught on rough edges of a work surface. Snagging can cause the tool to



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DETAILS OF PRODUCT:

Machine _____ Model _____

Voltage _____ Purchase Date _____

Customer name and address _____

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STATEMENT OF WARRANTY CARD

- (1) This product is guaranteed from defects in material and workmanship, for the detailed guarantee period, subject to your local distributor and legal warranty regulations, effective and evidenced from date of original invoice or delivery note.
- (2) Defects caused by normal wear and tears, unauthorized/improper maintenance/handling or overload are excluded from this guarantee.
- (3) In the event of malfunction within the guarantee period, please return the product UNDISMANTLED to your dealer with the warranty card.
- (4) Your statutory rights in respect of defective products remain unaffected by the warranty.