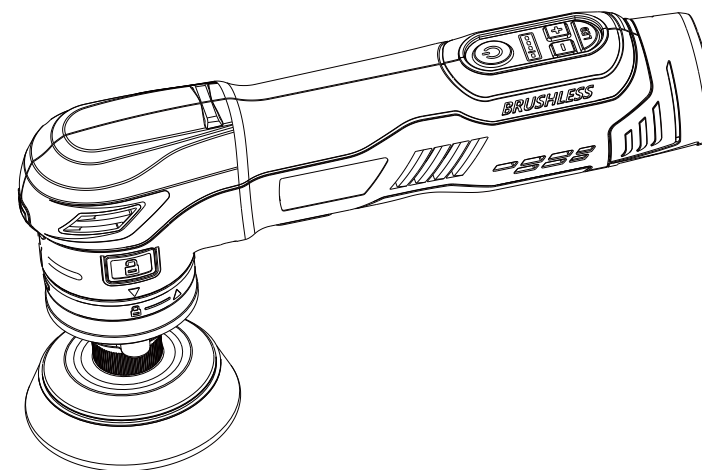




OPERATOR'S MANUAL
MANUAL del OPERADOR
用户使用说明书



EB210

Cordless Mini Polisher

Rotary & Orbital

Supplier:

K&FP Limited
info@shine-mate.com
www.ShineMate.com

Manufacturer:

Yongkang Meiloy-K&FP Tools Co.,Ltd.
No.218 Meilong Rd., Yongkang, Zhejiang, China



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

IMPORTANT SAFETY INSTRUCTIONS



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

1. GENERAL SAFETY WARNINGS FOR POWER TOOLS 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.

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 bonnet 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.

2. SYMBOLOGY



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 pack in the fire. There is a risk of explosion.



Do not expose the battery pack to rain, keep the battery pack 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.

3. SPECIFICATIONS

Art. No.	EB210
Orbit Size	3mm; 5mm; 12mm
Input Voltage	10.8VDC
Speed (High-torque rotary head)	700-1800/min
(High-speed rotary head)	3000-8000/min
Backing Plate	31, 48, 62mm
	Max. 74mm
Foam Pad	44-78mm
	Max. 80mm
Battery Capacity	2.5Ah / 5.0Ah
Complied chargers	BC121 / BC122
Working Temperature	+4°C to +40°C
Charging Temperature	+4°C to +40°C

Weight:

Polisher (no accessory)	625g
Battery pack B1225A(2.5Ah)	178g
Battery pack B1250A(5.0Ah)	360g
High-Torque Rotary Polishing Head(Quick-change) ..	196g
High-Torque Rotary Polishing Head(Threaded)	157g
High-Speed Rotary Polishing Head	148g
3mm, 5mm Orbital Sanding Head	137g
12mm Orbital Polishing Head	166g

Size:

Polisher (machine only)	231x57x61.5mm
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4. INTENDED USE

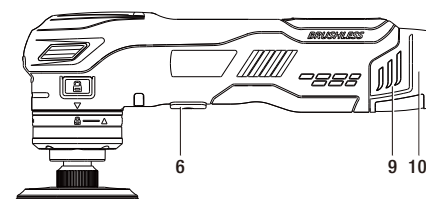
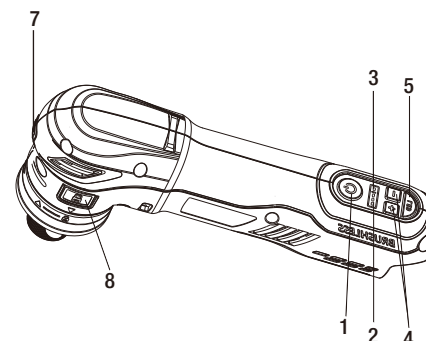
The polisher is designed for industrial and automotive surface polishing works.

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

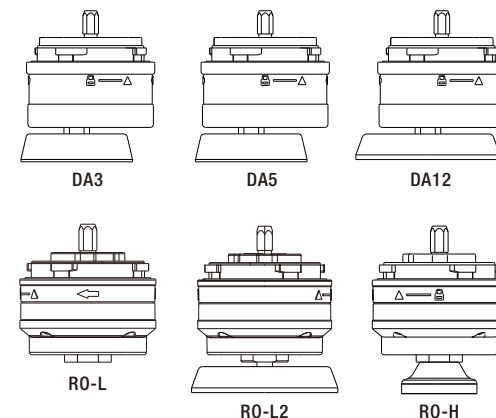
Note: It is recommended to use with polishing consumables with a speed over 8000 rpm.

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

5. MACHINE STRUCTURE



1. Power button
2. Battery and load indicator
3. Speed level indicator
4. Speed adjustment button
5. LED light button
6. Switch
7. LED light
8. Quick-change button
9. Battery pack release button
10. Battery pack



Quick-Change Working Head

DA3 3mm Orbital sanding/polishing head

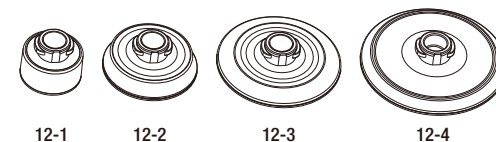
DA5 5mm Orbital sanding/polishing head

DA12 12mm Orbital polishing head

R0-L High-torque rotary polishing head (Quick-change)

R0-L2 High-torque rotary polishing head (Threaded)

R0-H High-speed rotary polishing head



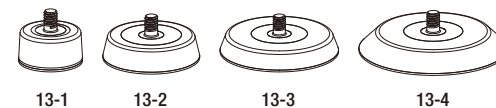
Quick-Change Backing Plate

12-1 Quick-change backing plate Ø31mm

12-2 Quick-change backing plate Ø48mm

12-3 Quick-change backing plate Ø62mm

12-4 Quick-change backing plate Ø74mm



1/4"-20 Threaded Backing Plate

13-1 Threaded backing plate Ø31mm

13-2 Threaded backing plate Ø48mm

13-3 Threaded backing plate Ø62mm

13-4 Threaded backing plate Ø74mm



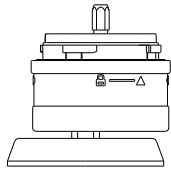
1/4"-20 Threaded Backing Plate

14-1 Threaded backing plate Ø15mm

14-2 Threaded backing plate Ø31mm

EB210 QUICK-CHANGE HEADS AND BACKING PLATES GUIDE

12mm Orbital Polishing Head
(Thread 1/4"-20)



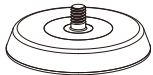
DA12



13-1



13-2

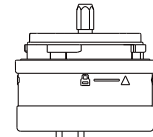


13-3



Polishing Pad

3mm Orbital Sanding/Polishing Head
(Thread 1/4"-20)



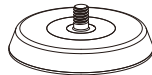
DA3



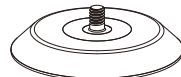
13-1



13-2



13-3



13-4

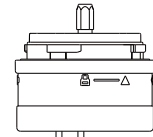


Polishing Pad



Sanding Disc

5mm Orbital Sanding/Polishing Head
(Thread 1/4"-20)



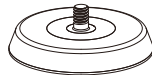
DA5



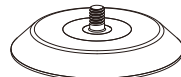
13-1



13-2



13-3



13-4

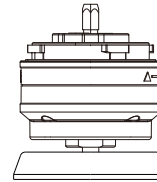


Polishing Pad



Sanding Disc

High-Torque Rotary Polishing Head
(Thread 1/4"-20)



R0-L2



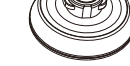
15-2



15-1



12-1



12-2



12-3

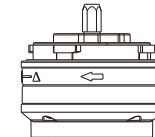


12-4

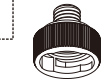


Polishing Pad

High-Torque Rotary Polishing Head
(Quick-change head)



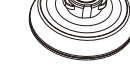
R0-L



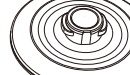
15-1



12-1



12-2



12-3

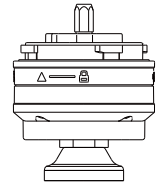


12-4



Polishing Pad

High-Speed Rotary Polishing Head
(Thread 1/4"-20)



R0-H



16-1



16-2



14-1



14-2



Polishing Pad

i NOTE

Part of the accessories listed in this manual are optional. The actual products are subject to the selected kit configuration.

Output Shaft Adapter



15-1 Quick-change adapter



15-2 Threaded adapter

Extension Rod



16-1 40mm Rod

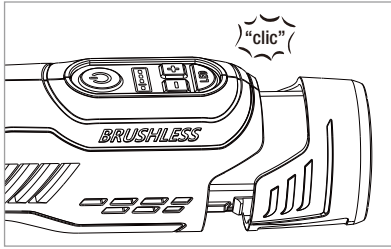


16-2 80mm Rod

6. ASSEMBLY

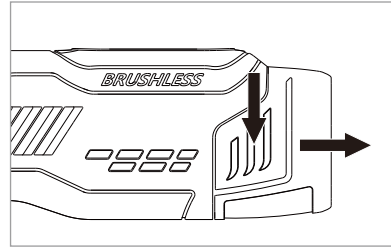
Inserting/Removing battery pack

To install the battery, slide the pack into the the power tool until it clicks into place.
To remove the battery, press the release button 9 and pull out the battery pack.



NOTE

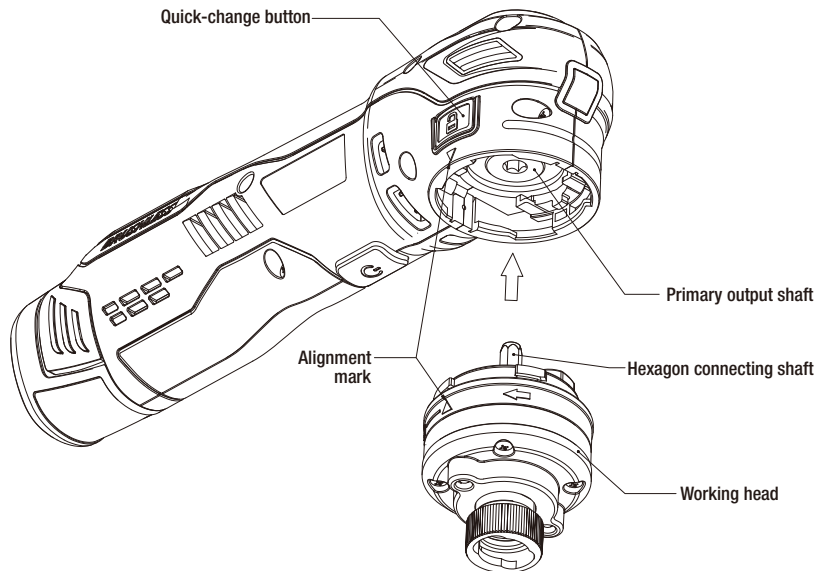
1. When inserting the battery pack into the machine, slide the battery pack in and make sure it is firmly seated.
2. The batteries are not fully charged on delivery. Prior to initial operation, charge the batteries fully. Refer to the charger operating manual.



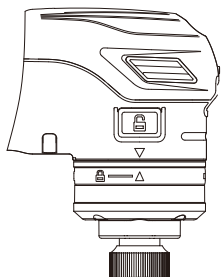
WARNING!

1. When the device is not in use, protect the battery contacts. Loose metal parts may short-circuit the contacts; and cause explosion and fire hazard!
2. Always remove battery pack before changing or removing accessories.

6.2 Installing and removing the working head

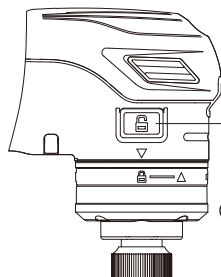


Steps to lock:



- ① Insert the working head align the triangular marks
- ② Rotate clockwise
- ③ Working head successfully installed

Steps to unlock:



- ① Press the unlock button
- ② Rotate counterclockwise to unlock

Steps to install working head:

1. Align the hexagon connecting shaft of the working head with the inner hexagon hole of the primary output shaft, and push inward; The next step cannot be performed before the connecting shaft is installed;
2. After the connecting shaft is installed, rotate to align the triangular alignment mark on the working head and the machine;
3. After the alignment, further press the mounting part of the working head inward to the end;
4. After the end faces are attached, turn the working head clockwise until the triangular alignment mark of the machine is aligned with the lock mark on the working head. At this time, the working head is automatically locked, and the working head is successfully installed.

Steps to remove working head:

1. To remove the working head, you must first press the quick-change buttons on the left and right sides, turn the working head counterclockwise, when the triangular alignment mark of the main machine is aligned with the triangular mark on the working head, the working head is unlocked, then pull it out.

6.3 OUTPUT SHAFT ADAPTER

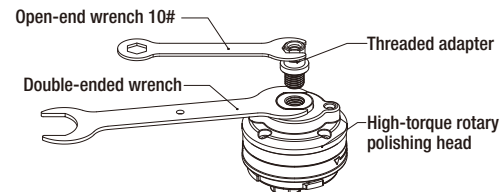
High-torque rotary polishing head RO-L supports replacement of output shaft adapters, quick-change adapter or threaded adapter can be installed accordingly.



Install a quick-change adapter on the high-torque rotary polishing head RO-L to use quick-change backing plates;
Install a threaded adapter on the high-torque rotary polishing head RO-L to use threaded backing plates.

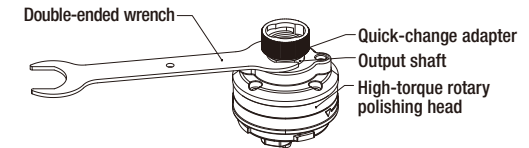
Adapter installation& replacement

(1) Threaded adapter



1. Use a double-ended special wrench to fix the secondary output shaft
2. Use an open-end wrench to fix the threaded adapter and rotate clockwise until fixed
3. To remove the adapter, repeat step "1" "2", and rotate counterclockwise.

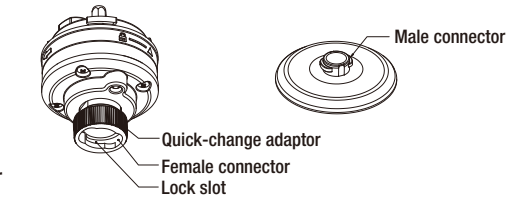
(2) Quick-change adapter



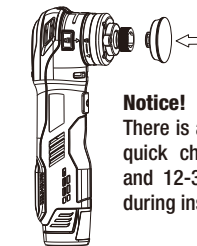
1. Use a double-ended special wrench to fix the secondary output shaft
2. Hold the quick-change adapter with hand and rotate clockwise until fixed
3. To remove the adapter, repeat step "1" "2", and rotate counterclockwise.

6.4 Replacing the backing plate

1. Replacing the quick-change backing plate High-torque rotary head

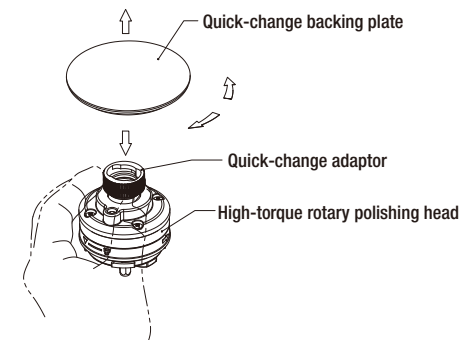


When using the quick-change backing plate, you need to fix the quick-change adaptor of the working head (with the help of an open-end wrench), and align the male adaptor with the female connector, and fits in. Turn clockwise to lock, and counterclockwise to unlock. In the unlocked state, the backing plate can be removed.



Notice!

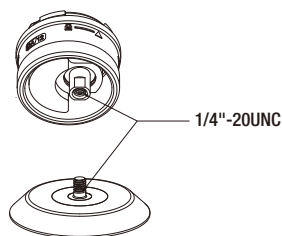
There is a metal spring clamp in the center of quick change backing plate 12-2 (Ø48mm) and 12-3 (Ø62mm). Please press with force during installation.



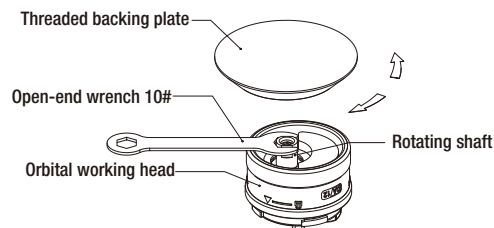
Installing/removing backing plate on a High-torque quick-change rotary head:

1. Hold the adaptor with hand;
2. Align the backing plate, and push inward to the end;
3. Turn it clockwise to lock;
4. Hold the adaptor and turn the backing plate counterclockwise to unlock and take off the backing plate.

2. Replacing the threaded backing plate Orbital working head

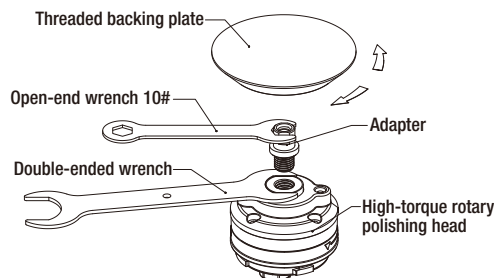


Installing/removing backing plate on a threaded orbital working heads(DA3,DA5,DA12)



1. Use a wrench to fix the rotating shaft;
2. Align the backing plate and rotate clockwise until it is in place;
3. Repeat step "1" and rotate counterclockwise to remove it.

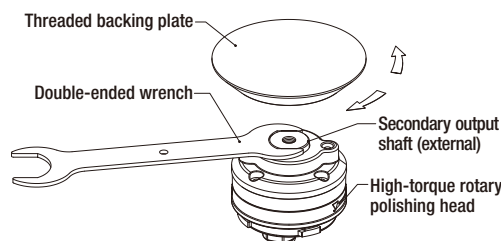
Installing/removing backing plate on a high-torque rotary working head(RO-L)



1. Use a double-ended wrench to fix the secondary output shaft;
2. Use a single open wrench to fix the adapter, rotate clockwise until fixed;
3. Only disassemble/install the threaded backing plate, use a open-end wrench to fix the adapter;
4. Align the backing plate and rotate clockwise until it is in place;
5. Repeat the action "3" and rotate counterclockwise to

remove it;
6. Repeat action "1"& "2", and rotate counterclockwise to remove the adapter.

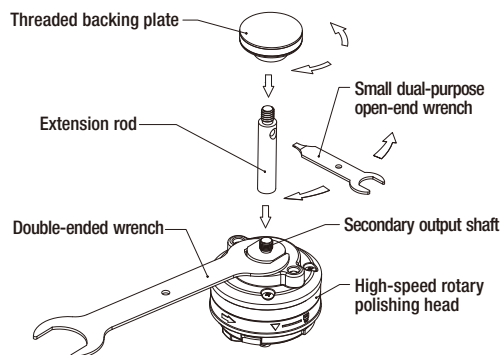
Installing/removing backing plate on a high-torque rotary working head(RO-L2)



1. Use a wrench to fix the secondary output shaft (external);
2. Align the backing plate and rotate clockwise until it is in place;
3. Repeat the action "1" and rotate counterclockwise to remove it;

Note: This working head is equipped with a fixed internal thread output shaft for direct installation of threaded backing plate, can not work with quick-change backing plates.

Installing/removing backing plate on a high-speed rotary polishing head(RO-H)

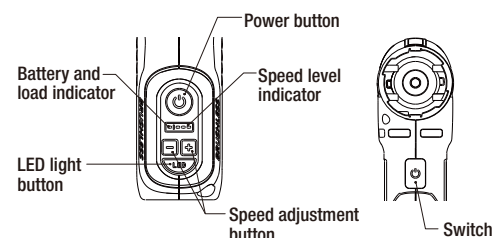


1. Use a wrench to fix the output shaft;
2. Align the backing plate with the secondary output shaft, and rotate clockwise to install;
If an extension rod is used, connect it with the shaft and tighten it by inserting the end of the dual-purpose wrench and rotating clockwise;
3. To remove the backing plate, repeat the action "1", "2", rotate counterclockwise.

ACCESSORIES

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

7. Integrated Control Panel Operation Guide



Turn on/off the machine

1. Install the charged battery;
2. Long press the power switch to connect or disconnect the power;
·When the machine is off, press the power switch for 2-3S, the indicator light is on, and the machine is powered on;
·When the machine is powered on, press the power switch for 2-3S, the indicator light goes out, and the machine is powered off.

Note: The machine will automatically sleep if not used for a long time.

3. After the machine is turned on, press the switch button to control the start and stop of the machine;
Press and hold the switch button, the machine starts to run; release the button, the machine stops running;
Quickly double-click the switch button, the machine will work continuously; click the switch button in the working state, the machine will stop.

Preselecting the speed

1. After turning on the machine, press the "-" and "+" buttons on the control panel to adjust and preset the speed;
· Press "+" to add one speed level (the highest is level 6);
· Press "-" to lower one speed level (the lowest is level 1);
2. Three indicator LEDs on the right side of the control panel are used to display the speed level of the machine; two speed levels share one LED.
3. Rotational speed of the machine
· Level 1 3000/min · Level 2 4000/min
· Level 3 5000/min · Level 4 6000/min
· Level 5 7000/min · Level 6 8000/min
4. Turn off the machine and start it again, the machine will remain the same speed where it was turned off.

Check battery level and machine load

1. The single indicator light on the left of the integrated control panel is the smart load indicator, which displays different colors according to the battery power storage and load conditions of the machine.

Green: sufficient battery power reserve/light load
Yellow: medium battery power reserve / medium load
Red: Low battery power reserve/heavy load

2. When the machine is working, the smart load indicator shows the load status of the machine; when the machine is powered on but not working, the smart load indicator shows the battery level.

LED light on the front

The machine has a LED lighting function, press the "LED" button below the integrated control panel to turn on the LED light on the front of the machine; press the "LED" button again to turn off the LED light.

Working head system

The working heads are optional and supports future additions.

With the first batch of 6 working heads, users can do sanding, high-efficiency rotary polishing, fast orbital polishing, and fine orbital polishing.

1. Random orbital working heads

3mm/5mm Orbital sanding/polishing head (DA3/DA5)

3mm/5mm orbit size, 3000-8000/min, work with 13-1, 13-2, 13-3, 13-4 threaded backing plates, and 32mm/76mm sanding discs for sanding, or foam pad/wool pad/microfiber pad for swirl-free fine polishing.

12mm Orbital working head (DA12)

12mm orbit size, 3000-8000/min, work with 13-1, 13-2, 13-3 threaded backing plates, and foam pad/microfiber pad/wool pad for high-speed swirl-free polishing.

2. Rotary working heads with adapters

High-torque rotary polishing head (RO-L)

Medium-speed, high torque, 700-1800/min for heavy cutting, work with Max.80mm foam pad/wool pad.

Install a thread adapter to use 13-1, 13-2, 13-3, 13-4 threaded backing plates; Install a quick-change adapter to use 12-1, 12-2, 12-3, 12-4 quick-change backing plates and conical sponge.

High-torque rotary polishing head (RO-L2)

Medium-speed, high torque, 700-1800/min for heavy cutting, work with 13-1, 13-2, 13-3, 13-4 threaded backing plates and Max.80mm foam pad/wool pad.

High-speed rotary polishing head (RO-H)

3000-8000/min high speed for high gloss spot polishing. Work with 14-1, 14-2 threaded backing plates and 40mm/80mm extension rod. With multiple accessories: foam pads of all sizes, new types of conical sponge and cylindrical sponge, etc.

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 RPMs which are more likely to burn through paint.

Preventing Snagging

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

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.

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 bonnet 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.

Noise and Vibration

The noise and vibration values have been determined in accordance with EN 62841. The A evaluated noise level of the power tool is typically:

– Sound pressure level L pA : 83.2dB(A);

– Sound power level L WA : 91.2dB(A);

– Uncertainty: K = 3.0dB.

Total vibration value (when polishing painted surfaces):

– Emission value a h : 7.838m/s²

– Uncertainty: K = 1.5m/s²

⚠ CAUTION!

The indicated measurements refer to new power tools. Daily use causes the noise and vibration values to change.

ℹ NOTE

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN62841 and may be used to compare one tool with another.

It may be used for a preliminary assessment of exposure. The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period. For a precise estimation of the vibration load the times should also be considered during which the power tool is switched off or even running, but not actually in use. This may significantly decrease the exposure level over the total working period. Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.

⚠ CAUTION!

Wear ear protection at a sound pressure above 85 dB(A).

Information concerning foam wear

⚠ NOTE

In general, foam wear is much higher in connection with free-wheeling eccentric polishing that with rotational polishing or force-driven eccentric polishing.

Due to the drive, this wear does not take place on the outside of the foam but at the foam core

instead. The harder/longer the cell structure is subjected to strain and damaged as a result, the faster the build-up of heat. Subsequent damage is inevitable. Wear of this kind cannot be seen on the foam externally. The only reliable action is replacement and disposal in good time to prevent thermal damage to the power tool.

8. 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.

Disposal information

⚠ WARNING!

Removing the battery of a battery operated power tool.

1.Do not throw electric power tools into the household waste!

Used electric power tools must be collected separately and recycled in an environmentally friendly manner.

2.Device, accessories and packaging should be recycled in an environmentally friendly manner. Plastic parts are identified for recycling according to material type.

⚠ WARNING!

1.Do not throw batteries into the household waste, fire or water.

2.Do not open used batteries.

ℹ NOTE

Please ask your dealer about disposal options!

9. EXEMPTION FROM LIABILITY

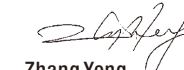
The manufacturer and his representative are not liable for any damage and lost profit due to interruption in business caused by the product or by an unusable product.

The manufacturer and his representative are not liable for any damage which was caused by improper use of the power tool or by use of the power tool with products from other manufacturers.

CE -DECLARATION OF CONFORMITY

We declare under our sole responsibility that the product described under "Technical Data" conforms to the following standards or normative documents:

EN 62841-1, EN IEC 62841-2-3, EN 62841-2-4,
EN IEC 55014-1, EN IEC 55014-2,
2014/30/EU, 2006/42/EC



Zhang Yong
General Manager
Oct 1st, 2022

ShineMate Tool System

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

info@shinemate.com

www.ShineMate.com



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DETAILS OF PRODUCT:

Machine _____ Model _____

Voltage _____ Purchase Date _____

Customer name and address _____

Post Code _____



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DETAILS OF PRODUCT:

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Post Code _____

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.