

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 in dry rooms.



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

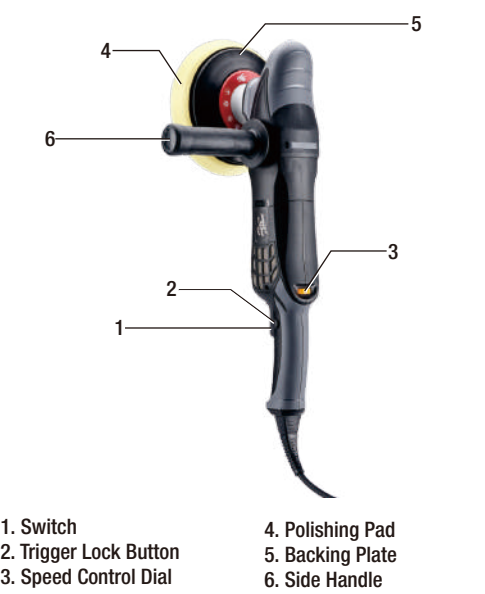


Do not throw device in the fire. There is a risk of explosion.



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

3. PRODUCT DESCRIPTION



6.5 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.

WARNING! Rotary polishers are not allowed to work in speed 1-2 for a long time to avoid overheating. You can adjust to speed 3-6 to work continuously in normal time.

6.6 Preventing The Paint From Burning

►This can occur if you polish at high speed for long time or you allow the polishing pad to stay in one spot for even a long 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 working at high speed which are more likely to burn through paint.

6.7 Preventing Snagging

WARNING! To reduce the risk of injury, please follow the instructions followed. Snagging can cause the tool to kick back, and lost of control.

►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.

6.8 Filter Mesh

►The machine has enlarged air inlet and outlet for better heat dissipation.

►A dust-proof mesh is installed at the vent to prevent metal dust, wool, fiber and other debris from entering the machine and affecting the machine's heat dissipation and performance; in addition, the dust-proof mesh is removable for daily cleaning.

7. MAINTENANCE AND CARE

7.1 Dust Removal

Regularly clean the power tool and ventilation slots with air compressor. But not too close, or high-speed airstream damage internal parts.

7.2 Power Cord

Don not bend the power cord at will. Check the power cord frequently and replace it in time if it is damaged.

7.3 Lubrication

Every 4-6 months or 200-300 hours of operation, the gearbox of the machine needs to be filled with lubricating oil. It is recommended to use Mobil EP1 lithium grease for filling.

Technical Data

Model	EP830
Input Voltage	220-240V~50/60Hz
Input Power	Rated 1500W(Max.2250W)
Output Shaft	M14-2
Input Voltage	120V~50/60Hz
Input Power	Rated 1200W(Max.1800W)
Output Shaft	5/8"-11
No Load Speed	700-3000/min
Backing Plate	Standard 125mm(5") Max.180mm(7")
Foam / Wool Pad	Suggested 150mm(6") Max.200mm(8")
*Net Weight	1.98kg
Gear System	Double Reduction
Power Cable	5 meter, Fixed/Detachable
*no cable or accessories	

4. INTENDED USE

The machine is designed for paint surface polishing and is suitable for long-term heavy-load continuous use such as sheet-metal painting, transportation, ship/ yacht, aviation, etc. It can also easily handle automobile paint repair work.

WARNING! To guarantee electrical safety, the machine must not be damp or operated in a damp environment. The user bears the responsibility for damage and accidents caused by improper use.

5. MACHINE CONFIGURATION

5.1 Brushless Motor

High-voltage brushless motor provides long service life and high power; no need to replace carbon brushes; moreover, the brushless motor is smaller and the machine is lighter.

Compared with brushed motors, brushless motors can convert electrical energy into more mechanical energy. Under the same power, the machine has higher conversion rate and stronger power.

5.2 Electronics Control

Machine electronic control components have the following features:

(1) Constant speed
The preselected motor speed is maintained on a constant level. Electronic controls ensure a steady cutting speed even when operating under different loads.
Note: The performance will be weakened in speed 5-6. The performance will also be weakened within low speed load protection polisher.

(2) Soft start
The smooth start-up ensures safety and reduces splash of polishing compound, extending the switch trigger and gear service life.

(3) Stepless speed setting

8. CAUSES AND CORRECTIVE MEASURES

WARNING! Always disconnect the mains plug from the socket before performing maintenance work on the machine!

8.1 If machine can not start up, Or work intermittently, Check in following steps:

- (1) Check the power cord for broken, or the plug for damaged.
- (2) Check the wire inside the machine for loose or broken.
- (3) Check and replace the switch.
- (4) Check and replace the speed control dial.

8.2 Fails To Adjust Speed

- (1) Check and replace the speed control dial.

8.3 Abnormal Sound

- (1) Check the gear for worn out.
- (2) Check the motor for iron scraping, which is usually accompanied by overheat or burnt smell(The iron scraping is caused by the deformation of the casing after heating, resulting in abnormal sound and high temperature of the machine).
- (3) Check the backing plate for lock in place.

8.4 Serious Heating

- (1) Do not use the machine for a long time in low speed(1-2), which causes the motor to work slowly and poor heat dissipation, thus overheating the machine. You can set the machine in highest speed and idle it for a few minutes to reduce the temperature.
- (2) Frequent dusting of motors and air intakes.
- (3) Use backing plate of proper size. The polishing pad that over machine design-size is not allowed to use.

8.5 Obvious Spark In The Ventilation Slots Or Weak Power

- (1) Check the motor for overheating and burning.
- (2) Check the cooper sheet in the armature for severe wear, change the armature if needed.

8.6 Strong Smell Of Burning

- (1) Stop using the machine at once and check the source. Generally the burnt smell is caused by the controller burning, or the motor overheating.

8.7 Backing Plate Deflecting

- (1) Check the backing plate for lock in place and thread for match up.
- (2) Check the shaft of backing plate for loosing.
- (3) Check the bearing or shaft for wear.

9. ACCESSORIES

9.1 Original Accessories

Use only ShineMate recommended accessories for a maximum performance since these accessories have been tested with the products. Other accessories may cause serious machine imbalance that decreases the quality of the working results and increase machine wear.

Stepless speed setting meets multiply applications, the user can adjust speed according needs:

Speed 1-2: Even apply of polishing compound.

Speed 3-4: Elimination of scratches and marks.

Speed 5-6: Restoration of mirror shine.

WARNING! Do not use power tool continuously in low speed for a long time to avoid overheating.

(4) Accelerator switch
The power tool features an accelerator switch, the father you press the switch, the faster it will operate. The speed can be regulated steplessly between 300/min and the maximum speed preset on the speed control dial.

Note: The function only valid for power tool with an accelerator switch.

(5) Double torque
The gear system with double reduction has double torque output and ultra-long service life for continuous work under load.

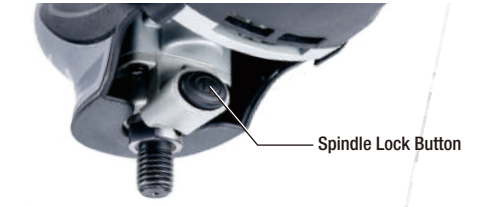
Note: The function only valid for power tool with the gear system of double reduction.

5.3 Install Backing Plate

Only use backing plate that is suitable for the maximum speed specified.

►Spindle lock
The backing plate are fitted with a thread and are screwed directly onto the spindle.

►Button position
The spindle lock button is located on the lower side of the machine, which effectively prevents damage to the machine caused by accidentally touching it during work.



►Procedure
(1) Press the spindle stop button after polisher stops completely.
(2) Rotate the spindle to its locking position and lock it while pressing the button.
(3) Install or remove the backing plate from the spindle.

WARNING! Do not press the spindle lock button when the machine is spinning! Otherwise, the machine will be damaged.

5.4 Attach Polishing Accessories

Stick Fix is a system that simplifies the attachment of polishing accessories to the backing plate.

Ensure accurate attachment of foam/wool pad to backing plate by looking at the edge of polishing pad. If the polishing pad is offset, it may cause vibration.

WARNING! Do not use large size polishing pad that exceed the design range of the machine.

5.5 Install Side Handle

Side handle can be installed on the left and right sides of the head of polisher as needed.

10. SERVICE

10.1 Warranty Service

- (1) During the warranty period, ShineMate is only due to material defects in the product or process problems caused by the failure to give free repair, the user requires warranty must be presented with purchasing bills and warranty cards, clear statement of the full name of the purchased product model, the body of the nameplate on the product code, the date of purchase, while providing the machine and accessories requires warranty, and are authorized by the maintenance center to verify, or do not have warranty rights.
- (2) During the warranty period, the following consumable parts are not covered by the warranty due to natural wear and tear in use:
 - Wear in service: commutator, bearing, bushing, gear, O-ring, etc..
 - Consumables: Power cord, plug, cable sheath, handle, housing, polishing pads, backing plate of sander, etc..
- *Non-warranty parts and maintenance labor costs are the responsibility of user.
- (3) The following are not covered under warranty:
 - Failure to present a valid warranty card and proof of purchase, or the information on the warranty card does not match the physical object.
 - Damage caused by failure to use, maintain and store the product in accordance with the instructions for use.
 - Damage caused by drooping, water ingress, etc., due to improper use, storage or transportation.
 - Damage caused by failure to use original ShineMate parts or recommended accessories and lubricants.
 - The user disassembles, or causes damage by repairing, rebuilding, disassembling, or maintaining in non-ShineMate authorized service points.

6. OPERATION

6.1 Detachable Cable(Optional)

EP830 supports quick tool-less replacement of cables, making it easy to install and disassemble the cable and vacuum hose together during use; and cables can be used interchangeably among the quick-connect products, and only one power socket is needed for multiple tools, greatly improving the on-site environment.

WARNING!

- 1. When the cable is used for multiple machines, the cable provided with the highest power machine should be used as the interchangeable cable.
- 2. When the cable is plugged into the socket, if the other end is not connect with the machine, it needs to be covered with a protective cover and placed in a safe place away from moisture, mess, and dust. Do not place it randomly.



6.2 Power On And Startup

The power voltage and frequency must be consistent with those indicated on the machine nameplate.

When using the switch, press to start, release to stop. Press the switch lock button to achieve continuous operation, press the switch again to stop the continuous working mode.

6.3 Speed Control

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

- (1) Set the speed control dial to the desired maximum speed.
- (2) Adjust the speed by increasing or decreasing the pressure on the variable speed trigger;
- (3) Use the trigger lock to LOCK ON the tool for continuous use, if desired.
- (4) To stop the tool, release the trigger

6.4 Guidance

►Do not work on the power tool if its electronics are defective as this may lead to excessive speeds. Defective electronics mean that there is no smooth start-up and the speed regulation fails.

►Do not overload the machine by pressing with excessive force! The best polishing results are achieved with moderate application pressure. The polishing capacity and quality are mainly dependent on the selection of the correct polish.

►Hold the machine with two hands, one on the motor housing and one on the gear head or additional handle to ensure safe guidance.

- Damage caused by forcing the brakes or exerting excessive pressure on power tools when they are operated at high speed.
- Damage caused by starting a power tool without reaching a constant speed or stopping it completely before it starts to process a work piece or change functions.
- Working in dusty or humid environments for long periods of time without timely maintenance due to the entry of foreign objects.
- Battery damage caused by frequent under-charging or under-discharging of the battery or by being hit or changing the charger plug on its own.
- (4) ShineMate reserves the right to modify the above terms and conditions at any time without notice, and has the final interpretation of the above warranty terms.
- (5) Visit the official website www.ShineMate.com for the latest product information.

10.2 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 62841-2-3,	EN 55014-1,
EN 61000-3-2,	EN 61000-3-3,	EN 55014-2,
2014/30/EU,	2006/42/EC	



You now own a quality product manufactured by ShineMate.

Distributed by:

Warranty Card

Serial No.

DETAILS OF PRODUCT:

Machine _____ Model _____

Voltage _____ Purchase Date _____

Customer name and address _____

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.