




## Brushless Polisher Instruction Manual







## Definitions: Safety Alert Symbols and Words

This instruction manual uses the following safety alert symbols and words to alert you to hazardous situations and your risk of personal injury or property damage.

 **DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

 **WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.  
(Used without word) Indicates a safety related message.

**NOTICE:** Indicates a practice not related to personal injury which, if not avoided, may result in property damage.

### General Power Tool Safety Warnings

**WARNING:** 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.

## SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

### 1) Work Area Safety

- a) Keep work area clean and well lit . Cluttered or dark areas invite accidents .
- b) 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.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### 2) Electrical Safety

- a) 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.
- b) 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.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) 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.
- e) 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.
- f) If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter



(GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.

### 3) Personal Safety

- a) 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.
- b) 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.
- c) 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.
- d) 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.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- g) 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.
- h) 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.

### 4) Power Tool Use and Care

- a) 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.
- b) 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.
- c) 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.
- d) 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.
- e) 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.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) 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.
- h) 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.

### 5) Battery Tool Use and Care

- a) 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.
- b) Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.



- c) 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.
- d) 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.
- e) 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.
- f) 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.
- g) 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.

## 6) Service

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

## Safety Instructions for All Operations

- a) 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.
- b) 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.
- c) 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.
- d) 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.
- e) 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.
- f) Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbor 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.
- g) Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. 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.
- h) 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 filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- i) 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.
- j) Position the cord clear of the spinning accessory. If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.
  - k) 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.
  - l) 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.
  - m) 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.
  - n) Do not operate the power tool near flammable materials. Sparks could ignite these materials.
  - o) Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

## **Further Safety Instructions for All Operations**

### **Kickback and Related Warnings**

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing 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 abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

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

- a) 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 reaction or kickback forces, if proper precautions are taken.
- b) Never place your hand near the rotating accessory. Accessory may kickback over your hand
- c) 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.
- d) 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.
- e) 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 Specific Safety Instructions for Polishers**


- Clean out your tool often, especially after heavy use. Dust and grit containing metal particles often accumulate on interior surfaces and could create an electric shock hazard.
- Do not operate this tool for long periods of time. Vibration caused by the operating action of this tool may cause permanent injury to fingers, hands and arms. Use gloves to provide extra cushion, take frequent rest periods and limit daily time of use.




- Ensure the switch is in the lock-off position when not in use and before connecting to the power source or battery pack.

## Additional Safety Information

 **WARNING:** Never modify the power tool or any part of it. Damage or personal injury could result.

 **WARNING:** ALWAYS use safety glasses. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if operation is dusty. ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:


- ANSI Z87. 1 eye protection (CAN/CSA Z94.3),
- ANSI S12.6 (S3. 19) hearing protection,
- NIOSH/OSHA/MSHA respiratory protection.


 **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:


- lead from lead-based paints,
- 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.

- Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water. Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.














 **WARNING:** Use of this tool can generate and/or disperse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.

 **WARNING:** Always wear proper personal hearing protection that conforms to ANSI S12.6 (S3.19) during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.

 **CAUTION:** When not in use, place tool upside down using tool rests on a stable surface where it will not cause a tripping or falling hazard. Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over.

Air vents often cover moving parts and should be avoided. Loose clothes, jewelry or long hair can be caught in moving parts

The label on your tool may include the following symbols. The symbols and their definitions are as follows:

<b>V</b>	volts
<b>Hz</b>	hertz
<b>min</b>	minutes
 or DC	direct current
	Class I Construction (grounded)
.../min	per minute
BPM	beats per minute
IPM	impacts per minute
RPM	revolutions per minute
sfp <sub>m</sub>	surface feet per minute
SPM	strokes per minute
OPM	oscillations per minute
A	amperes
W	watts
 or DC	alternating current
 or AC/DC	alternating or direct current
	Class II Construction (double insulated)
no	no load speed
n	rated speed
	earthing terminal
	safety alert symbol
	visible radiation
	avoid staring at light
	wear respiratory protection
	wear eye protection
	wear hearing protection
	read all documentation
<b>IPXX</b>	IP symbol


## BATTERIES AND CHARGERS

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below and then follow charging procedures outlined. When ordering replacement battery packs, be sure to include the catalog number and voltage.





## READ ALL INSTRUCTIONS

### Important Safety Instructions for All Battery Packs

 **WARNING:** Read all safety warnings, instructions, and cautionary markings for the battery pack, charger and product. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

- Do not charge or use the battery pack in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Inserting or removing the battery pack from the charger may ignite the dust or fumes.
- 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.
- NEVER force the battery pack into the charger. DO NOT modify the battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury. Consult the chart at the end of this manual for compatibility of batteries and chargers.
- Charge the battery packs only in TECCPO chargers.
- DO NOT splash or immerse in water or other liquids.
- Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 104 °F (40 °C) (such as outside sheds or metal buildings in summer). For best life store battery packs in a cool, dry location. NOTE: Do not store the battery packs in a tool with the trigger switch locked on. Never tape the trigger switch in the ON position.
- Do not expose battery pack or tool/appliance to fire or excessive temperature. Exposure to fire or temperature above 265 °F (130 °C) may cause explosion.
- Do not incinerate the battery pack even if it is severely damaged or is completely worn out. The battery pack can explode in a fire. Toxic fumes and materials are created when lithium-ion battery packs are burned.
- If battery contents come into contact with the skin, immediately wash area with mild soap and water. If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.
- Contents of opened battery cells may cause respiratory irritation. Provide fresh air. If symptoms persist, seek medical attention.

 **WARNING:** Burn hazard. Battery liquid may be flammable if exposed to spark or flame.

 **WARNING:** Fire hazard. Never attempt to open the battery pack for any reason. If the battery pack case is cracked or damaged, do not insert into the charger. Do not crush, drop or damage the battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on). Damaged battery packs should be returned to the service center for recycling.

### Storage Recommendations

1. The best storage place is one that is cool and dry, away from direct sunlight and excess heat or cold.
2. For long storage, it is recommended to store a fully charged battery pack in a cool dry place out of the charger for optimal results.

**NOTE:** Battery packs should not be stored completely depleted of charge. The battery pack will need to be recharged before use.





## Battery Pack Cleaning Instructions

Dirt and grease may be removed from the exterior of the battery using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.

## Transportation

**⚠ WARNING:** Fire hazard. Do not store or carry the battery pack so that metal objects can contact exposed battery terminals. For example, do not place the battery pack in aprons, pockets, tool boxes, product kit boxes, drawers, etc., with loose nails, screws, keys, etc. Transporting batteries can possibly cause fires if the battery terminals inadvertently come in contact with conductive materials such as keys, coins, hand tools and the like. The US Department of Transportation Hazardous Material Regulations (HMR) actually prohibit transporting batteries in commerce or on airplanes in carry-on baggage UNLESS they are properly protected from short circuits. So when transporting individual battery packs, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

**NOTE:** Li-ion batteries should not be put in checked baggage.

## Important Safety Instructions for All Battery Chargers

**⚠ WARNING:** Read all safety warnings, instructions, and cautionary markings for the battery pack, charger and product. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

- DO NOT attempt to charge the battery pack with any chargers other than a TECCPO charger. TECCPO chargers and battery packs are specifically designed to work together.
- These chargers are not intended for any uses other than charging TECCPO rechargeable batteries. Any other uses may result in risk of fire, electric shock or electrocution.
- Do not expose the charger to rain or snow.
- Pull by the plug rather than the cord when disconnecting the charger. This will reduce the risk of damage to the electric plug and cord.
- Make sure that the cord is located so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.
- Do not use an extension cord unless it is absolutely necessary. Use of improper extension cord could result in risk of fire, electric shock or electrocution.
- When operating a charger outdoors, always provide a dry location and use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- An extension cord must have adequate wire size (AWG or American Wire Gauge) for safety. The smaller the gauge number of the wire, the greater the capacity of the cable, that is, 16 gauge has more capacity than 18 gauge. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. When using more than one extension to make up the total length, be sure each individual extension contains at least the minimum wire size. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The lower the gauge number, the heavier the cord.

## Minimum gauge for Cord sets

Volts		Total length of Cord in Feet (meters)			
120V		25 (7.6)	50 (15.2)	100 (30.5)	150 (45.7)
240V		50 (15.2)	100 (30.5)	200 (61.0)	300 (91.4)
Ampere Rating		American Wire gauge			
More Than	not More Than				
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Recommended	

Do not place any object on top of the charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat. Place the charger in a position away from any heat source. The charger is ventilated through slots in the top and the bottom of the housing.

- Do not operate the charger with a damaged cord or plug— have them replaced immediately.
- Do not operate the charger if it has received a sharp blow, been dropped or otherwise damaged in any way.
- Do not disassemble the charger; Incorrect reassembly may result in a risk of electric shock, electrocution or fire.
- Disconnect the charger from the outlet before attempting any cleaning. This will reduce the risk of electric shock. Removing the battery pack will not reduce this risk.
- NEVER attempt to connect 2 chargers together.
- The charger is designed to operate on standard 120V household electrical power. Do not attempt to use it on any other voltage. This does not apply to the vehicular charger.

**⚠ WARNING:** Shock hazard. Do not allow any liquid to get inside the charger. Electric shock may result.

**⚠ WARNING:** Burn hazard. Do not submerge the battery pack in any liquid or allow any liquid to enter the battery pack. Never attempt to open the battery pack for any reason.

**⚠ CAUTION:** Burn hazard. To reduce the risk of injury, charge only TECCPO rechargeable battery packs. Other types of batteries may overheat and burst resulting in personal injury and property damage.

**⚠ CAUTION:** Under certain conditions, with the charger plugged into the power supply, the charger can be shorted by foreign material. Foreign materials of a conductive nature, such as, but not limited to, grinding dust, metal chips, steel wool, aluminum foil or any buildup of metallic particles should be kept away from the charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug the charger before attempting to clean.

This Class B digital apparatus complies with Canadian ICES-003.  
 This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



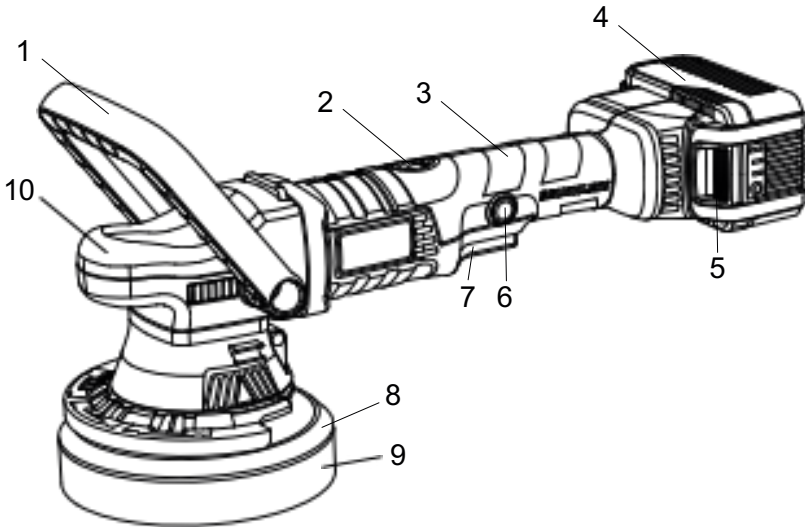
## Specification

Model no	PMPO01D
Voltage	20v
No load speed	1500-5500/min
Backing pad	6in
Maximal orbit	9mm

## Function Description

The numbering of the products features refers to the illustration of the machine (FIG. 1).

1	D auxiliary handle
2	Speed dial
3	Handle
4	Battery pack
5	Battery release button
6	Switch lock
7	Trigger switch
8	Backing pad
9	Polish pad
10	Head cover
11	Charger
12	Red LED
13	Green LED

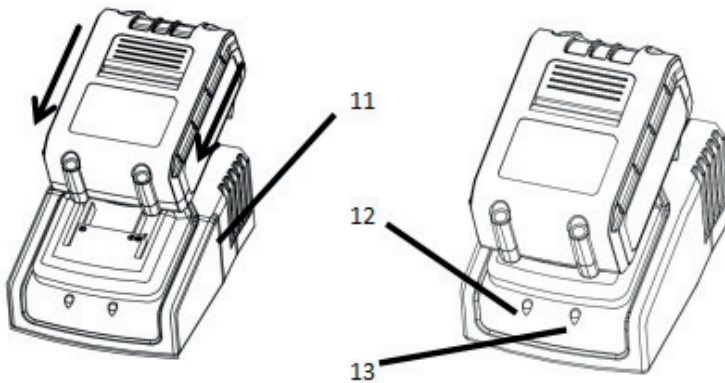




## Charging a Battery

**NOTE:** To ensure maximum performance and life of lithium-ion battery packs, charge the battery pack fully before first use.

1. Plug the charger into an appropriate outlet before inserting battery pack.
2. Connect the charger and battery pack, making sure the battery is fully seated. The (charging) light will blink continuously indicating that the charging process has started.
3. The completion of charge will be indicated by the light remaining ON continuously. The battery pack is fully charged and may be removed and used at this time or left in the charger.



## Indicator for Charging Process

Refer to the information below for the charge status of the battery pack.



The Red LED always light when the battery is charging.



The Green LED always light if the battery is fully charged



The Battery will not be charged if the battery temperature is deviation. In that case, the Green LED flashes until the battery cool down to normal temperature.



The battery will never be charged if the battery is damaged. In that case, the red LED always flashes.

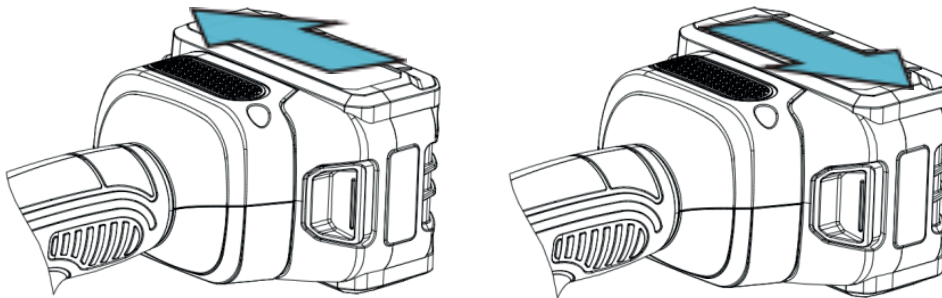


## sembly/ Adjustment setup

### 1. Installing and Removing the Battery Pack (FIG. 3)

NOTE: For best results, make sure your battery pack is fully charged.

- To install the battery pack (10) into the tool handle, align the battery pack with the rails inside the tool's handle and slide it into the handle until the battery pack is firmly seated in the tool and ensure that it does not disengage.
- To remove the battery pack from the tool, press the release button ( 11) and firmly pull the battery pack out of the tool handle. Insert it into the charger as described in the charger section of this manual.



## Operation

This machine can be used for manually polishing or waxing, with a higher speed and higher intensity than a rotary machine. The machine makes excentric movements also called Dual Action. This means it makes many small oval movements per minute that are comparable to rotating hand movements. The rotations are ovals which never follow 100% the same track because the polishing pad rotates feely around the axle. Because the machine has this excentric movement, the chance of holograms, machine tracks, burn marks and other damage to laquer is much smaller. This contrary to normal rotating polishing machines or rotary machines.

### Handles

This machine is supplied with two handles. The side handle can simply be screwed unto the machine. The other handle can be used in several ways (see the images below). To change the position of the handle loosen the screws with the supplied hex key tool. The handle can then be moved to the desired position.

Position1

Position2

Position3

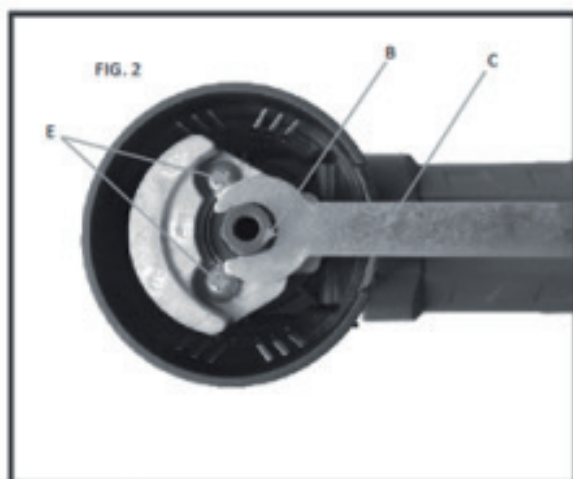
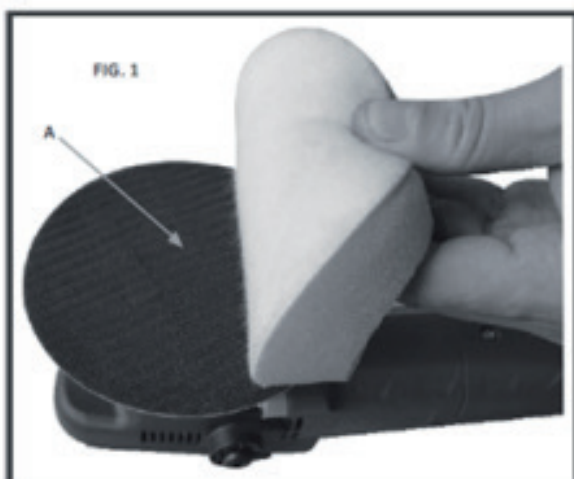


## stalling the polishing pad (figure 1)

1. Place the tool on a flat surface with the backing pad (A) pointed upwards
2. Remove any dust that might be on the backing pad
3. Place the polishing pad onto the backing pad and press firmly
4. Test the machine on a flat surface and start the engine. Always make sure to test the machine and make sure the polishing pad is properly fixed before using the machine on a lacquered surface.
5. Remove the polishing pad by pulling it from the packing pad.

## Replacing the backing pad (figure 2)

1. Loosen the screws that attach the backing pad (B) by using the supplier wrench (C)
2. While holding the nut, use your other hand to turn the backing pad counter-clockwise to loosen it from the machine.
3. To attach the backing pad, repeat these steps in reverse order.
4. A distance ring has been provided to keep some distance between the backing pad and the plate-screws (E), make sure this is in place before attaching the backing pad.



## Before starting the machine

- Make sure the power source matches the tool requirements (both the socket and any extension cords that might be used)
- Make sure the power cord and plug are in good condition
- Before attaching the item to a power source, check if the ON/OFF switch is functional
- Check if all parts of the machine are in good, undamaged condition. Make sure any accessories are properly attached.
- Make sure the ventilation openings are clean and unblocked

## ON/OFF Switch

To turn on the machine, push the ON/OFF switch and push it towards the head of the tool. The machine will be locked and keep turning. To release the machine, shove the switch back to the original position.

## Using the machine

- Make sure the car is washed and cleaned before use. Never use the machine on an unwashed surface. Any grit or sand remained on the vehicle would damage the lacquer when using the polisher.
- Remove all jewellery (rings, bracelets, etc.) and make sure you are wearing no loose clothing. Fasten long hair so it will not get caught in the rotating parts of the machine.



- Work in a well-lit, well-ventilated environment.
- Use the correct wax or polisher for the treatment you are planning  
Always hold the polishing machine close to the surface. This way, the machine will work more efficiently also prevent the polishing liquid from splatter.
- 1. Attach the polishing pad to the backing pad, make sure it is centred well
- 2. Put amount of wax / polishing liquid on the polishing pad
- 3. While keeping the machine switched off, divide the product over the surface to be polished. This will limit splatter and make sure the product is evenly divided over the surface. When working large surfaces, split it into smaller parts and treat them one by one.
- 4. Put the machine on to the surface, then switch it on at the lowest speed. Continue to spread the product over the surface to be polished. Hold the machine firmly and make sure you have a good foothold.
- 5. Raise the speed and apply the product in straight tracks. Make sure there is a 50% overlap in these tracks. Move slowly over the surface until the polishing product has become transparent or has dried (depending on the type of product you are using).
- 6. Clean any remaining product with a microfiber cloth (manually) or a lambs wool polishing pad that fits with the machine.

## Cleaning / Maintenance

- Remove the battery pack from the device before carrying out any work or transporting it. If the device is switched on accidentally, there is a danger of injury.



Always wear protective gloves when handling the saw blade 1 be done regularly. This will ensure a long and reliable service life.

### Cleaning

- Do not spray the appliance with water and do not immerse it in water. Electric shock hazard!
- Keep clean the ventilation slots, motor housing and handles of the appliance.
- Use a damp cloth or a brush. Do not use cleaning agents or solvents. You may otherwise irreparably damage the appliance.
- Clean the saw blade holder 2 with a brush or by blowing out with compressed air. To do this, remove the saw blade 17 from the device.


### Storage


- Store the device in a dry location protected from dust, out of the reach of children.
- Remove the battery pack 9 from the device before storing for extended periods (e.g. over winter).
- Only store the battery pack partially charged. The battery should be charged to 40 - 60% (two LEDs in the charge indicator 12 light up) before storing for extended periods.
- Check the battery pack charge about every 3 months when storing for extended periods and recharge as necessary.
- Store the battery pack at temperatures between 50 °F (10 °C) to 77 °F (25 °C). Avoid extreme cold or heat during storage to prevent the battery pack from losing capacity.




Troubleshooting		
Problem	Possible Cause	Possible Solution
Unit will not start	Battery pack not installed properly  Battery pack not charged.	Check battery pack installation.  Check battery pack charging requirements.
Battery pack will not charge.	Battery pack not inserted into charger.  Charger not plugged in  Surrounding air temperature too hot or too cold	Insert battery pack into charger until LED appears  Plug charger into a working outlet. Refer notes "for more details."  Move charger and battery to a surrounding air temperature of above 40 degrees F(4.5°C) or below 105 degrees F(+40 5°C)
Unit shuts off abruptly	Battery pack has reached its maximum thermal limit.  Out of charge. (To maximize the life of the battery pack, it is designed to shutoff abruptly when the charger is depleted	Allow battery pack to cool down  Place on charger and allow to charge

## Protecting the Environment

 Separate collection. This product must not be disposed of with normal household waste. Should you find one day that your TECCPO product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.

 Separate collection of used products and packaging allows materials to be recycled and used again.  
Re- use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.  
Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

### Batteries

 There are no user serviceable parts inside.  
At the end of your products life return the whole unit to your service agent or to a local recycling station to have the battery recycled. Do not throw the unit out with household waste.



## Warranty

### Your Warranty Includes

#### 30 Days Money Back Guaranty

With in first 30days of your purchase, you are allowed to return your product for a full refund.

#### 30 Days to 3 Months(6 Months)

We will replace the defective unit due to manufacture fault with a new one. (You will receive extra 3 months if you register on our website.)

#### 3 Months to 24 Months

Within 24 months, we will provide timely and effective online after-sales service after your purchase.

**Please be noted that accesories are free, not included.**

### How to Return Your TECCPO Products

- Contact [support@teccpotools.com](mailto:support@teccpotools.com) with your order number.
- We will issue you RMA# and return address for your return.
- Please fill out RMA info, tear off this page and leave it inside your return package. We will issue replace/return after receiving your return.

### Return Products Details

To get your returns processed as quickly as possible, please fill this form and include it in your return package.

Purchase Name	
Order Number	
Date of Purchase	
Your Email Address	
Where did you buy it	

- If your product is purchased from Amazon Fulfilled channel, please contact Amazon for return within 30 days of purchase.

