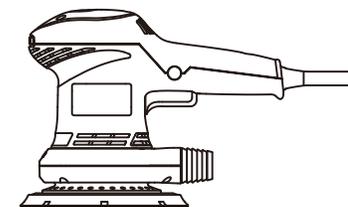


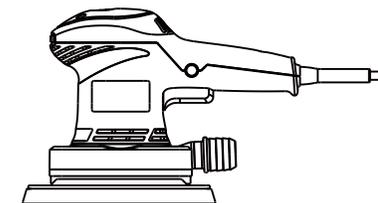


OPERATOR'S MANUAL
MANUAL del OPERADOR

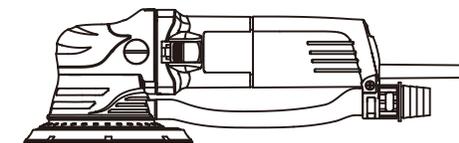
ELECTRIC SANDER



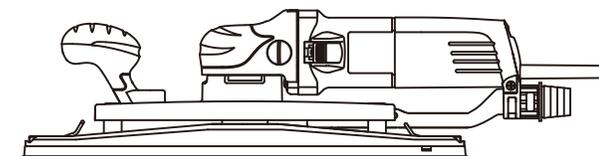
ES516



ES517



ES502



ES550

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



To reduce the risk of injury, user must read and understand operator's manual.

1. IMPORTANT SAFETY INSTRUCTIONS

BEFORE USE AND OPERATION, FIRSTLY READ CAREFULLY THIS MANUAL. KEEP THE MANUAL IN A SAFE PLACE FOR FURTHER REFERENCE (THIS MANUAL THE GUARANTEE CARD PROVIDES THE BASIS FOR ANY CLAIMS).

ASSIGNMENT

This tool is designed to be used as a sander.

Before work and operation, user shall read carefully all warnings, instructions, guidelines, drawings and tool specifications.

This tool is not intended to be used for brushing, polishing or cutting. Any misuse or use inconsistent with intended purpose may result in hazard and body injuries.

⚠ WARNING

CAUTION: Precautions

► Normal use of this product is likely to expose the user to dust and/or microscopic particles containing chemicals that may cause cancer, birth defects or other reproductive harm. Always wear appropriate personal protection equipment and clothing when using this product. Before operation, firstly read carefully and follow all instructions provided with this product. Failure to follow any warnings and operating instructions may result in damages and serious injury or death.

► Always wear approved safety goggles when using this product. (Users and Bystanders)

► Never use this tool for any application that is inconsistent with intended purpose.

► Only use accessories designed for this tool.

► Any alteration or modification is forbidden.

► Improper operation and/or maintenance of the tool, modification of the tool, or use of the tool with accessories not designed for it could result in serious injury or death.

► Always select the correct accessories of the correct size and design for the nature of work that is to be delivered.

► Always work in a clean, well-lighted, organized and adequately equipped area to ensure total safety.

► Before any repairs, firstly check that the tool is in a secure position that prevents any displacement.

INFORMATION REGARDING PRODUCT

► Tool for professionals purposed for sanding and other works in terms of preparation for painting.

► Special design reduces vibration, fatigue, also during prolonged operation- (use of original accessories is recommended).

► Constant speed: tool keeps stable output speed even under heavy load.

► Soft-start function for a smooth and safe start.

2. TECHNICAL DATA

ES516 ELECTRIC SANDER



Model	ES516-6/3	ES516-6/5
Orbit Diameter	3mm	5mm
Product	Random Orbital Electric Sander	
Backing Plate	6"(148mm)	
Power	400W	
Free Speed	4000-10000/min	
Dust Removal	Self-vacuuming+Central vacuuming	
Power Cord	5M	
Thread	M8	
Accessories	Carbon brush, wrench	
Input Voltage	220-240V~ 50/60Hz (CE/CN/SAA) 100-120V~ 50/60Hz (US/JP)	
Weight	1.6kg	
Dia. of dust exhaust adaptor	30mm	

ES502 ELECTRIC SANDER



Model	ES502-6/9	ES502-6/12
Orbit Diameter	9mm	12mm
Product	Random Orbital Electric Sander	
Backing Plate	6"(148mm)	
Power	600W	
Free Speed	4000-7000/min	
Dust Removal	Central vacuuming	
Power Cord	5M	
Thread	M8	
Accessories	Carbon brush, wrench	
Input Voltage	220-240V~ 50/60Hz (CE/CN/SAA) 100-120V~ 50/60Hz (US/JP)	
Weight	2.2kg	
Dia. of dust exhaust adaptor	30mm	

ES517 ELECTRIC SANDER



Model	ES517-3	ES517-5
Orbit Diameter	3mm	5mm
Product	Oscillating electric sander	
Backing Plate	93x175mm	
Power	400W	
Free Speed	4000-10000/min	
Dust Removal	Self-vacuuming+Central vacuuming	
Power Cord	5M	
Thread	M4	
Accessories	Carbon brush, wrench	
Input Voltage	220-240V~ 50/60Hz (CE/CN/SAA) 100-120V~ 50/60Hz (US/JP)	
Weight	1.9kg	
Dia. of dust exhaust adaptor	30mm	

ES550 ELECTRIC SANDER



Model	ES550-5
Orbit Diameter	5mm
Product	Oscillating electric sander
Backing Plate	70x400mm
Power	600W
Free Speed	4000-7000/min
Dust Removal	Central vacuuming
Power Cord	5M
Thread	M8
Accessories	Carbon brush, wrench
Input Voltage	220-240V~ 50/60Hz (CE/CN/SAA) 100-120V~ 50/60Hz (US/JP)
Weight	3.2kg
Dia. of dust exhaust adaptor	30mm

3. SAFETY RULES

⚠ WARNING

Before operation, firstly read carefully this manual. Failure to follow all instructions listed below may result in electric shock, fire and/ or serious injury. The term "power tool" in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) one.

WORK AREA

► Keep work area clean and well-lighted. 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.

CAUTION! Distraction can cause you to lose control over the power tool.

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.

► Avoid body contact with earthed or grounded surfaces such as pipes, radiators, heaters 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. Any contact with water poses the risk of electric shock.

► Any modification of power cord is forbidden. 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 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 the power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operation power tools may result in serious personal injury.

► During operation personal protection equipment is required. Always wear safety goggles. Personal protection equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce risk of body injuries.

► Avoid accidental starting. Ensure the switch is in the OFF position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents and serious body injuries.

► Do not overreach. Keep proper foot position and balance at all times. This enables better control of the power tool in unexpected situations.

► During operation proper clothing is required. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught or trapped by moving parts.

► If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly operated. Use of such devices can reduce dust related hazards.

PRECAUTIONS DURING OPERATION

► Do not force the power tool. Use and operate the power tool according to its intended purpose. The correct power tool will do the job better and will ensure safety.

► Do not use the power tool, if the switch does not turn on and off. Any power tool with inoperative switch poses hazard and must be repaired.

► Before any adjustments, changing accessories or

storing power tools, firstly disconnect the plug from the power source. 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 pose hazard when operated by untrained or unauthorized users.

► User shall regularly perform maintenance inspections and check in respect of misalignment, clearance, play, defects, damages, excessive wear of other irregularities that may affect power tool operation. In case of any damage, power tool shall be repaired before use. Many accidents are caused by poor maintenance.

► Keep cutting tools sharp, clean and in good repair. Properly maintained cutting tools with sharp cutting edges ensure control over the power tool during operation.

► Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool inconsistent with intended purpose can result in a hazard or accident.

SERVICE

► Any works related to power tool servicing shall be performed by qualified person. For repairs and service use only original spare parts to ensure safety during power tool operation.

4. INSTRUCTIONS REGARDING SANDING

ACCESSORIES INSTALLATION AND DISMANTLING

1. To install the backing disk, firstly unplug the power tool and place it on tool rest with the spindle upright.
2. Attach the backing disk to the spindle, and make sure the key aligns into the recessed slot.
3. Lock the backing disk with the bolt supplied with the power tool, with Allen wrench.
4. Align the backing disk with the sanding pad Velcro, attach the sanding pad to the backing disk, and make sure the backing disk fastens the sanding pad positioned centrally.
5. To remove the sanding pad, just peel off the pad and unscrew with the Allen wrench.

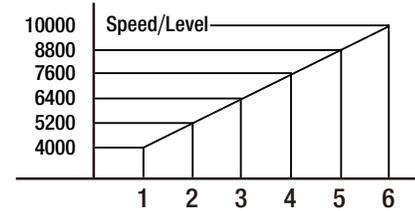
START, STOP AND SPEED CONTROL

► The sander features with a dial speed control, which controls the sander's maximum rotations per minute. You can control speed with trigger switch. Available speed range is from 1 to 6. Generally, lower speeds are recommended for tight work areas and higher speeds are ideal for large surface areas. Use the setting that best suits your job. To control the speed, set the dial to the desired number.

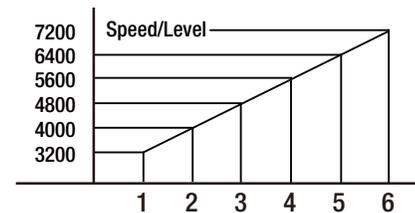
► To start the tool, pull the trigger. To stop the tool, release the trigger.

► For continuous operation, press the button that locks the trigger and pull this button again to stop continuous operation.

ES516/ES517 ELECTRIC SANDER



ES502/ES550 ELECTRIC SANDER



SURFACE PREPARATION

► For best results, clean, dry and degrease the surface before sanding to remove stubborn dirt, dust, insect related stains.

► Select the correct grit number of sanding disc as per work requirements.

SANDING

► While holding the sander firmly against the surface, turn on the sander to begin operation at desired speed. Always start and stop the sander positioned on or against the surface being sanded. Begin by sanding large flat surfaces, such as bonnet, trunk and roof. Do not press down the sander against the surface with force. Move the sander back and forth in long, sweeping strokes. Too much pressure, the wrong angle or improper motion may result in cavities, marks or burning.

DUST COLLECTION

► The sander is equipped with a multi-hole backing disc. To ensure dust-free sanding, the user shall use the sanding disc provided with holes. To ensure dust-free sanding, holes of sanding pad shall be aligned with ones of backing disc.

► The sander is provided with dust extraction function that ensures effective dust collection.

WARNING

► To reduce the risk of injury, keep the power cord away from the path of the sander. Otherwise the sanding pad or backing disk may damage the cord and expose live wires.

► When sanding, apply small pressure and keep the sander moving constantly, especially when working near an edge or where there are abrupt changes in the contour of the work surface.

PREVENT DISK DAMAGE

► Any contact of sanding pads with rough edges of a work surface may result in damages, cavities and sudden kick-back. To prevent such risk, operate the sander at low speed when sanding rough surfaces, tricky areas such as near trimming or between a mirror and car window. Do not take chances with a sander. Sand these surfaces by hand. Or use the "coast-down" technique to avoid snagging or kickback risk. To coast-down, turn the motor ON for a few seconds, then turn it OFF and apply the sanding pad to the surface. This way the rotating speed of the pad will be lower when the pad is in contact with the surface. Coast-down technique is recommended when working in areas with crevices or pockets.

MAINTENANCE

► Keep your tool in good repair and conduct maintenance on regular basis. Before use, firstly check the power tool in respect of the general condition, switches, power cord along with the extension for damage. Check for loose screws, misalignment, operation of moving parts, improper mounting, damaged part sand any other abnormalities that may affect safety during operation. If abnormal noise or vibration is evident, turn the tool off immediately and ensure repairs are provided before reuse. Operation of damaged power tool is forbidden. Until repair is completed, the power tool shall be labelled with "DO NOT USE" plate. During operation in normal conditions, re-lubrication is not necessary until the motor brushes needs replacement.

WARNING

► To prevent the risk of body injury, always before any works related to maintenance, firstly unplug the power tool. Never disassemble the tool or do any rewiring, if the power tool is connected to power source.

CLEANING

► Clean all vents and remove dust and debris. Keep the tool handle clean, dry and free of oil or grease. For cleaning use a soft cloth lightly moistened with a mild detergent.

► **CAUTION!** Some cleaning agents and solvents including gasoline, turpentine and paint dedicated thinners containing ammonia or chlorinated cleaning solvents for household are harmful to plastics and other insulated parts. Never use flammable or combustible solvents around the power tool.

▲ WARNING

►To prevent the risk of body injury, electric shock and tool damage, do not immerse tool in water or any other liquid and protect the tool against any contact with water.

REPAIRS

►In case of any damage or when repair is necessary, contact the nearest authorized service.

PRECAUTIONS

(1) Always use the backing disk recommended by the manufacturer.

(2) Any works related to cutting with this tool and grinding wheels is forbidden.

(3) Max. operating speed of the backing disk shall be always higher than the rated speed of the power tool.

During tool operation always wear approved personal protection equipment including safety goggles, gloves, hearing protectors and use of protective clothing is recommended.

(4) Personal protection equipment and dust collection devices shall be chosen according to the type of material (5) purposed for sanding. For further instruction please consult system manufacturer.

(6) In case of power supply failure, release the trigger and disconnect the device from power source.

(7) Only use the carbon brush and lubricants recommended by the manufacturer.

5. Service

5.1 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, carbon brush, 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(e.g. carbon brush) or recommended accessories and lubricants.

•The user disassembles, or causes damage by repairing, rebuilding, disassembling, or maintaining in non-ShineMate authorized service points.

•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.

5.2 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 hereby declare under our responsibility that the said electrical device (sander) remains in compliance with the Essential Requirements for Safety Directives 2006/42 / EC concerning machines, 2014/35/EU low voltage, 2014/30/EU concerning electromagnetic compatibility.

Moreover the device fulfils the requirements of standards:

EN 62841-1, EN 62841-2-4, 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:

Serial No.

Warranty Card

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.