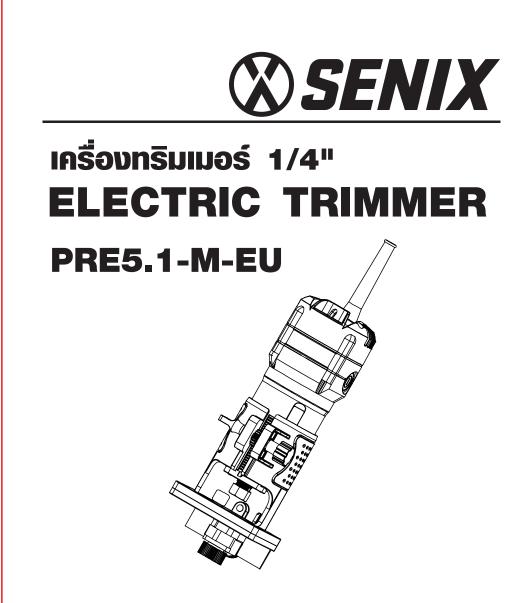
| NO. | DESCRIPTION               | NO. | DESCRIPTION              |
|-----|---------------------------|-----|--------------------------|
| 1   | CABLE C/W PLUG            | 32  | ADJUSTMENT KNOB A        |
| 2   | TRIANGLE BUCKLE           | 33  | WASHER                   |
| 3   | ROUND BUCKLE              | 34  | ADJUSTMENT BLOCK         |
| 4   | TAPPING SCREW ST4*16      | 35  | DEPTH ADJUSTMENT BLOCK   |
| 5   | REAR COVER                | 36  | FIXING POLE              |
| 6   | SWITCH                    | 37  | NUT M5                   |
| 7   | TAPPING SCREW ST4*12      | 38  | POSITION BLOCK           |
| 8   | CABLE CLAMP               | 39  | ADJUSTMENT KNOB B        |
| 9   | SWITCH POLE               | 40  | SLOTTED HEAD SCREW M4*10 |
| 10  | CABLE PROTECTOR           | 41  | TAPPING SCREW M4*10      |
| 11  | MIDDLE COVER              | 42  | BASE PLATE               |
| 12  | BRUSH TERMINAL            | 43  | FENDER                   |
| 13  | BRUSH HOLDER              | 44  | DUST GUARD               |
| 14  | CARBON BRUSH (2pcs)       | 45  | FIXING NUT A             |
| 15  | BRUSH COVER               | 46  | SPRING WASHER            |
| 16  | SPECIFICATION LABEL       | 47  | FIXING NUT B             |
| 17  | LOGO LABEL                | 48  | PINION GEAR              |
| 18  | STATOR ASSEMBLY           | 49  | FASTENER                 |
| 19  | BEARING 608               | 50  | RUBBER CASE              |
| 20  | DUST RING                 | 51  | PITCH PLATE              |
| 21  | TAPPING SCREW ST4*65      | 52  | PIN                      |
| 22  | ROTOR ASSEMBLY            | 53  | ROD                      |
| 23  | BEARING 6002              | 54  | SPANNER 12               |
| 24  | COLLECT C/W CLAMP         | 55  | SPANNER 17               |
| 25  | COLLECT C/W CLAMP NUT     | 56  | GUIDE BUSH               |
| 26  | SLOTTED HEAD SCREW ST4*12 | 57  | NUT M6*12                |
| 27  | BEARING COVER             | 58  | FIXING BRACKET           |
| 28  | HOUSING                   | 59  | GUIDE BASE               |
| 29  | DEPTH INDICATOR LABEL     | 60  | WAVE WASHER              |
| 30  | TAPPING SCREW ST4*22      | 61  | WASHER                   |
| 31  | DUST COVER                | 62  | WING NUT                 |



SIAM GLOBAL HOUSE PUBLIC CO.,LTD

232 MOO 19 TUMBON ROBMUANG AMPHUR MUANG ROI-ET,45000 THAILAND

GENERAL SAFETY RULES

\*\*Read and understand all instructions.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal

GENERAL OPERATIONAL PRECAUTIONS

1. WORK AREA

a. Keep work area clean and well lit. Cluttered benches and dark areas invite accidents. b. Do not operate power tools in explosive atmospheres, such as in presence of flammable liquids gases, or dust. Power tools create sparks which may ignite the dust of fumes. c. Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

a. Double Insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way, if the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double Insulation 回 eliminates the need for the three wire grounded power cord and grounded power supply system. b. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of

electric shock if your body is 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 to carry the tools or pull from a receptacle. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

a. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in

b. 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. c. Avoid accidental starting. Be sure switch is "OFF" before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch "ON" invites accidents. d. Remove adjusting keys or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury. e. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool f. Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or ear plugs must be used for appropriate conditions.

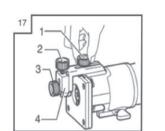
a. Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to lose of control. b. Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed. c. Do not use tool if switch does not run it on or off. Any tool that cannot be controlled with the switch is dangerous and must be d. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

e. Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hand of untrained users.

f. Maintain tools with care. Keep tools sharp and clean. Keep handles dry, clean and free from oil and grease. Any alteration or modification is a misuse and may result in a dangerous condition. g. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

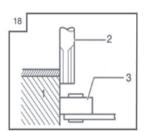
h. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool, may become hazardous when used on another tool.

b. Use the fixing nut (A) to assemble the bearing guide to the base plate. Loose the fixing nut (B) to adjust the distance between cutting bits and the bearing guide seat. When achieve proper distance, screw the fixing nut (B) tightly (Fig 17).



2. Adjusting nut Bearing guide seat

c. When operating the tool, please keep the bearing guide tightly to the edge of the work piece (Fig 18).



2. Cutting bit 3. Bearing guide seat a. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury. b. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instruction may create a risk of electric shock or injury.

1. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with "live" wire

will make exposed metal parts of the tool "live' and shock the operator. Under no circumstance is the trimmer base ever to be removed from the trimmer in order to use bits that are too large to use with the base assembly attached. The removal of the trimmer base and using the trimmer "Free Hand" can lead to SERIOUS

MARNING This trimmer has sharp, fast-moving parts. MISUSE CAN CAUSE SEVERE INJURY. Never operate the trimmer if the clear plastic cover is not in place.

 Never touch the bit, collet or any other moving parts while the trimmer is in operation. Never lay the trimmer down until it has stopped rotating completely. Hold the tool firmly when starting, as start up rotation creates significant torque. This can cause you to drop the tool if you are Secure the object being routed by clamping, or holding in a vise. Never hold by hand.

2. Make sure the workpiece is free of nails or other debris. These can interfere with the cutting process, and possibly cause damage or injury. 3. Be careful to use the Power Switch properly. Be aware that the trimmer will continue to operate while the Power Switch is ON. You must manually turn the switch to

4. Hold the tool firmly while cutting. The action of the blade against the workpiece can cause it to "kick out," jumping rapidly away from the workpiece. If you experience excessive "kick out" check your blade to assure that it is the proper type for the material being cut, and that it is sharp. 5. Do not handle the trimmer bit immediately after use; it may be very hot, potentially causing burns or iniury. 6. People with pacemakers should consult their physician(s) before using this product. Electromagnetic fields in close proximity to a heart pacemaker could cause

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

Lead from lead-based paints

 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.

Crystalline silica from bricks and cement or other masonry products

7. Avoid overloading the tool. 8. If the speed drops abnormally, decrease the pressure on the bit immediately.

interference to or failure of the pacemaker.

9. Do not apply excessive pressure to the trimmer while cutting. 10. Always use sharpened bits. If the bit stops abruptly, or the bit becomes blocked, release the trigger switch immediately. 11. Never start the trimmer while the bit is in contact with any material. Allow the tool to reach its normal operating speed before applying it to the workpiece.

The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations WARNING that may occur. It must be understood by the operator that COMMON SENSE AND CAUTION ARE FACTORS WHICH CANNOT BE BUILT INTO THIS PRODUCT, BUT MUST BE SUPPLIED BY THE OPERATOR.

SYMBOLS IMPORTANT: Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

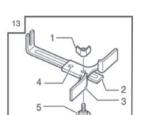
| Symbol                  | Name                                    | Designation/Explanation                                     |  |
|-------------------------|---|---|--|
| V                       | Volts                                   | Voltage (potential)   |  |
| A                       | Amperes                                 | Current   |  |
| Hz                      | Hertz                                   | Frequency (cycles per second)                               |  |
| W                       | Watt                                    | Power   |  |
| min                     | Minutes                                 | Time  |  |
| Ø                       | Diameter                                | Size of drill bits, grinding wheels, etc.                   |  |
| n <sub>0</sub>          | No load speed                           | Rotational speed, at no load                                |  |
| /min                    | Revolutions or reciprocation per minute | Revolutions, strokes, surface speed, orbits etc. per minute |  |
| $\sim$                  | Alternating current                     | Type or a characteristic of current                         |  |
|                         | Direct current                          | Type or a characteristic of current                         |  |
| $\overline{\mathbb{T}}$ | Alternating or direct current           | Type or a characteristic of current                         |  |
|                         | Class II construction                   | Designates Double Insulated Construction tools              |  |
| <b>(4)</b>              | Earthing terminal                       | Grounding terminal  |  |

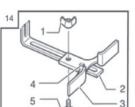
| ECIFICATION | ۱S |
|-------------|----|

| SPECIFICATIONS |                   |                    |  |  |  |
|----------------|-------------------|--------------------|--|--|--|
|                | Voltage           | 220-240 V~50/60 Hz |  |  |  |
|                | Rated input power | 510 W              |  |  |  |
|                | No load speed     | 35000 RPM          |  |  |  |
|                |                   |                    |  |  |  |

a. If you assemble the parallel guide a according to the Fig 12 and Fig 14, then you could cut the circle with the tool. The cutting radius (the distance between cutting bits and the center of circle): Minimum Radius: 70mm

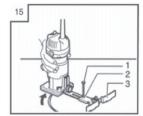
Maximum Radius: 221mm b. If you want to cut the circle between 70mm to 121 mm radius, you could assemble the parallel quide according to Fig 13. c. If you want to cut the circle between 121mm to 221 mm radius, you could assemble the parallel guide according to Fig 14. d. You could not cut the circle between 172mm to 186 mm radius.





2. Base plate

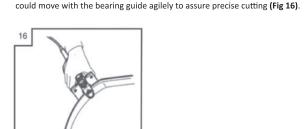
e. Put the center hole on the parallel guide onto the center on work piece. Put a nail less than 6mm to the center hole to fix the parallel guide. Cutting the work piece by direction of clock wise (Fig 15).



Parallel guide

Center hole

3. Parallel guide a. You could operate the tool conveniently with for home furniture like desk, bed, seat etc with the bearing guide. The tool



b. Use the bolt and wing nut to assemble guide bar to the parallel guide (Fig 10).



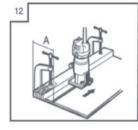
Guide barWing nut

c. Use the fixing screw to assemble the parallel guide. Screw out the wing nut on parallel guide. Adjust the distance between the cuting bits and parallel guide. Adjust the distance between the cutting bits and parallel guide. When achieving the proper distance, please fixing the wing nut tightly (Fig 11).



2. Parallel guide 4. Base plate

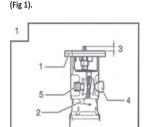
d. If the distance from the edge of the work piece to cutting line is too far. then you could not use the parallel guide. Under such condition, please fix a straight plate onto the work piece tightly as a guide plate for cutting. Then move the tool forward along the edge of this guide plate (Fig 12).



OPERATING INSTRUCTION

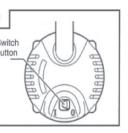
MARNING Before adjusting the function of the tool, please make sure the tool is off and the plug does not connect to the electricity.

Screw out the fixing knob till loose. Adjust the base seat assembly to your satisfied depth. Then screw the fixing knob to be tightly

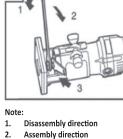


Base seat Depth Indicator 5. Adjusting screw

3. Cutting depth To turn on the tool, just turn the switch button to "I" position. To turn off the tool, just turn the switch button to "O" position (Fig 2).

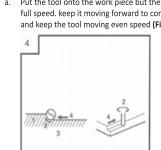


When assemble the bits, put the bit into the collet first, and then use the two spanners to fixing the clamping nut. Use the spanners to disassemble the bits contrary procedure (Fig 3).



Keep

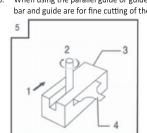
4. Reversing Switch Action a. Put the tool onto the work piece but the cutting bits does not touching it. Turn on the tool. When the tool achieves the full speed. keep it moving forward to correct direction. Make sure to keep the base plate trimly with the working objects and keep the tool moving even speed (Fig 4).



2. Rotating direction of cutting bits 4. Feeding direction

If moving the tools forward too fast will cause the bad quality of work piece, damaging the cutting bits or motor of the tool. If moving the tools forward to slowly will cause the cutting WARNING bits too hot and bad quality of work piece. Before starting cutting, please try cutting firstly

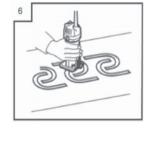
to some wasted work piece. This will tell you the cutting quality and then you could adjust b. When using the parallel guide or guide bar, please make sure to install it onto the right hand of feeding direction. Parallel bar and guide are for fine cutting of the tools (Fig 5).



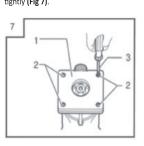
2. Rotating direction of cutting bits 1. Feeding direction Parallel guide

MARNING If feeding the tool too much will cause overload of the motor. The maximum cutting depth of the tool is 3mm. If you need depth more than 3mm, you could achieve it by cutting

a. There is a guide bush in accessories. The cutting bit could get through the guide bush cutting the work piece according to

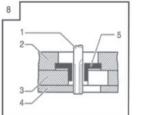


b. Take down the base plate by loosen the screws. Put the guide bush onto the base plate then fix back onto the tool. Screw it



Screwsdriver

c. Fix the logo guider onto the work piece. Put the tool onto the guider. Move the tool forwards to cutting the work piece



Guide bush 3. Logo guider

a. When cutting edge or groove of work piece, the parallel guide is quite useful (Fig 9).

