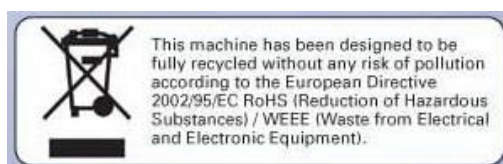


TILE CUTTING SAW FTA-202G

Operating/user manual
(Original instructions in English)



NOTE: Before you use the machine, carefully read instructions properly. Before attempting to operate the machine properly, familiarize yourself with the controls and make sure you know how to stop it quickly in an emergency. Save this user's manual and the other documents supplied with this machine for future reference.

Manufacturer: WESTLANDS MACHINERY (ZHUHAI) CO., LTD.

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Read operator's instructions

Dear customer, thanks for your choice of stone cutter FTD-202G. Please read this manual carefully before installation and operation, and follow it. Please keep this manual in a safety place for future reference.

I SPECIFICATION

FTA-202G

| | |
|-------------------------------|---------------------|
| Mains voltage (Volt): | 220~240V/50Hz |
| Motor capacity S1: | 900W |
| Insulation class | B |
| House protection class | IP54 |
| No load speed (rpm): | 2900 |
| Max. Cutting Depth 90° /45° : | 35/30mm |
| Maximum Cutting Length: | 762mm |
| Diamond blade size: | Ø200XØ22.23mm(bore) |
| Table/Extension size: | 1100X500mm/0~250mm |
| Net weight: | 53 kgs |
| Max weight of work piece: | 50kgs |
| Max Operating Mass: | 87kgs |

Noise emission values determined according to EN 61029 and EN 12418:

The sound pressure level at the work station,

| | |
|--|--------------------------------------|
| No load: LpA ≤71.4dB (A) | LpA ≤72.3dB (A) |
| Under load: LpA=97.9dB(A) | LpA=99.1dB(A) |
| load: Uncertainty KpA=1.5 m/s ² | Uncertainty KpA=1.5 m/s ² |

The sound power level of the machine,

| | |
|--------------------------------------|--------------------------------------|
| No load: LwA=84.4dB(A) | LwA=85.3dB(A) |
| Uncertainty KwA=1.5 m/s ² | Uncertainty KwA=1.5 m/s ² |
| Under load: LwA=110.9dB(A) | LwA=112.1dB(A) |
| Uncertainty KwA=1.5 m/s ² | Uncertainty KwA=1.5 m/s ² |

Vibration total values determined according to EN 61029:

| | |
|--|--|
| No load: Vibration emission value a _h =1.20 m/s ² | Vibration emission value a _h =1.20 m/s ² |
| Uncertainty K=0.73 m/s ² | Uncertainty K=0.76 m/s ² |
| Under load: Vibration emission value a _h =1.15 m/s ² | Vibration emission value a _h =1.15 m/s ² |
| Uncertainty K=2.95 m/s ² | Uncertainty K=3.04 m/s ² |

Cooling water pump specification:

| | |
|-------|--------|
| Power | 10W |
| Qmax | 700L/H |
| Qhead | 1.4m |

Caution! Any modification which could lead to a change in the original characteristics of the machine, such as rotational speed or maximum diameter of the cutting-off wheel may be carried out only by the manufacturer of the machine.

II OPERATOR'S INSTRUCTIONS

RANGE OF APPLICATIONS AND PROPER USE

The stone cutter is developed for the cutting of small and moderate size ceramic, marble, granite, and masonry sheet. This cutting machine has the possibility to tilt the diamond blade to cut on the bias (45-90 degree). The diamond blade is cooled by water pump.

Use only the continuous rim diamond blade recommended by the manufacturer.

Warning: Never attempt to cut wood, metal and other similar material with this machine.

Never use this machine in potential explosive environment or underground environment.

KNOW YOUR PRODUCT:



| | |
|------------------|---------------|
| 1. Machine frame | 5. Slide Rail |
| 2. Table | 6. Handle |
| 3. Diamond blade | 7. Rail Stand |
| 4. Blade guard | 8. Stand |



DIRECTION OF BLADE: Please make sure the diamond blade always towards the same direction as the arrow which is molded on the blade guard.

GENERAL SAFETY RULES

WARNING! When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury including the following.

Read all these instructions before attempting to operate this product and save these instructions.

- 1 –Keep work area clear
 - Cluttered areas and benches invite injuries.
- 2 – Consider work area environment
 - Do not expose tools to rain.
 - Do not use tools in damp or wet locations.
 - Keep work area well lit.
 - Do not use tools in the presence of flammable liquids or gases.
- 3 – Guard against electric shock
 - Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
- 4 – Keep other persons away
 - Do not let persons, especially children, not involved in the work touch the tool or the extension cord and keep them away from the work area.
- 5 –Store idle tools
 - When not in use tools should be stored in a dry locked-up place, out of reach of children.
- 6 – Do not force the tool
 - It will do the job better and safer at the rate for which it was intended.
- 7 – Use the right tool
 - Do not force small tools to do the job of a heavy duty tool.
 - Do not use tools for purposes not intended, for example do not use circular saws to cut tree limbs or legs.
- 8 –Dress properly
 - Do not wear loose clothing or jewelers; they can be caught in moving parts.
 - Non-skid footwear is recommended when working operations create dust.
 - Wear protective hair covering to contain long hair.
- 9 –Use protective equipment
 - Use safety glasses.
 - Use face or dust mask if working operations create dust.
- 10 –Connect dust extraction equipment
 - If the tool is provided for the connection of dust extraction and collecting equipment, ensure these are connected and properly used.
- 11 – Do not abuse the cord
 - Never yank the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.

- 12 –Secure work
 - Where possible use clamps or a vice to hold the work. It is safer than using your hand.
- 13 –Do not overreach
 - Keep proper footing and balance at all times.
- 14 –Maintain tools with care
 - Keep cutting tools sharp and clean for better and safer performance.
 - Follow instruction for lubricating and changing accessories.
 - Inspect tool cords periodically and if damaged have them repaired by an authorized service facility.
 - Inspect extension cords periodically and replace if damaged.
 - Keep handles dry, clean and free from oil and grease.
- 15 –Disconnect tools
 - When not in use, before serving and when changing accessories such as blades, bits and cutters, disconnect tools from the power supply.
- 16 –Remove adjusting keys and wrenches
 - Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 17 –Avoid unintentional starting
 - Ensure switch is in “off” position when plugging in.
- 18 –Use outdoor extension leads
 - When the tool is used outdoors, use only extension cords intended for outdoor use and so marked.
- 19 –Stay alert
 - Watch what you are doing, use common sense and do not operate the tool when you are tired.
- 20 –Check damaged parts
 - Before further use of tool, it should be carefully checked to determine that it will operate properly and perform its intended function.
 - Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation.
 - A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated in this instruction manual.
 - Have defective switches replaced by an authorized service center.
 - Do not use the tool if the switch does not turn it on and off.
- 21 –Warning
 - The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.
- 22 –Have your tool repaired by a qualified person
 - This electric tool complies with the relevant safety rules. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.
- 23 - **Caution!**
 - Please follow the instruction of PRCD to avoid affection of the tool by water.
 - The inspection of hoses and other critical parts which could deteriorate and the maximum permitted pressure of the water supply.

- Never use the tool without the PRCD delivered with the tool.
- Replacement of the plug or the supply cord shall always be carried out by the manufacturer of the tool or his service organization,
- Keep water clear off the electrical parts of the tool and away from persons in the working area.

TRANSPORTATION

- Before transportation, first to lock the cut unit by the lock system.
- This machine is equipped with one set of wheel systems for one person transports it easily from car to job site and for mobility once on the job site. Please refer to part of Moving the saw.

Note: Before moving the saw, the water should be drained out of the water tray.

III SPECIFIC SAFETY RULES

- Ensure that the directional arrow marked on the diamond blade corresponds with the rotational direction of the motor.
- With the machine disconnected from the power supply, rotate the diamond blade by hand to ensure it is free from obstruction.
- Always keep the blade-securing arbor and collars clean.
- Ensure that the blade-securing bolt is securely tightened.
- Never try to cut freehand. Always ensure that the tile to be cut is pressed firmly against the rip fence.
- Ensure that the work piece that will be cut off has sufficient room to move sideways. Failure to do so may result in the off-cut binding against the blade.
- Never cut more than one tile at a time.
- Never cut pieces too small to be held securely against the rip fence without leaving enough space for the hand to be a safe distance from the diamond blade.
- Ensure that the table and surrounding area are clear with the exception of the tile to be cut.
- Before cutting a tile piece, let the diamond blade run freely for a few seconds. If it makes an unfamiliar sound or vibrates excessively, switch it off immediately and disconnect from the power supply.
- Let the diamond blade reach full speed before start cut.
- Let the diamond blade come to a complete stop before removing any jammed or off cut material from around the blade area.
- Never allow the diamond blade to run dry. Failure to keep the water tray topped up will result in possible over-heating of the diamond.
- Do not expose to rain or moisture.
- Wear suitable protective equipment.



**Eye protection
Shall be worn**



**ear protection
shall be worn**



Caution, risk of cutting



**Hand protection
shall be worn**

- Always ensure that the splitting wedge is correctly set for the work.

- Adopt a working position to the left of the diamond blade.
- Ensure that cut off tile pieces are not caught by the blade and sent flying.
- Never remove loose splinters, Chips pieces while the diamond blade is moving.
- Before repairing faults or removing jammed tile, always switch the cutter off and pull out the mains plug.
- If the cutter slot has been knocked out of position, replace the bench liner. Pull out the mains plug first.
- Before switching on, check that all spanners and setting tools have been removed.
- When leaving the workplace, switch off the motor and pull out the plug.
- After carrying out repair or maintenance work all safety and security fixtures must be replaced immediately.
- The manufacturer's safety, working and maintenance instructions and the dimensions stated in the Technical Information must be adhered to.
- The relevant regulations for the prevention of accidents and other generally recognized safety regulations must be followed.
- Observe the code of practice drawn up by the trade association .
- Operation of the cutter in confined spaces is permissible only if a suitable suction extraction system is used.

Caution! Switch off cutter immediately and pull out plug if

- the power feed lead and switch are damaged
 - the motor is overheating
 - smoke is emitted or there is a smell of charred insulating material.
- Use only diamond blade for which the maximum possible speed is not less than the maximum spindle speed of the cutter and the material to be cut;
 - When transporting the machine, use only transportation devices and do never use guards for handling or transportation;
 - Fill the cooling tank 3/4 full of water. It is quite normal for the equipment to cause spluttering during use.
 - Pay attention to the width of the work piece. Please refer to Fig.1, if the marked width on “a” is more than 315 mm, please pull out the extension table to support the work piece.

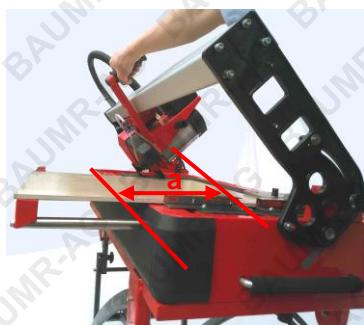


Fig.1

IV SPECIAL SAFETY INSTRUCTIONS BEFORE USING THE MACHINE

● Check the following points:

1. Does the voltage of the motor correspond to the mains voltage.
2. A grounded mains connection (wall socket) needs to be used.
3. Are the mains lead and the mains plug in a good condition without any loose ends or damage.

● Avoid using long extension cables.

● Always place the cutting machine on a flat surface to prevent instability.

● While using the machine

1. Never use cracked diamond blade, replace them.
2. Be sure that the switch is in the OFF-position before connecting the machine to the mains voltage.
3. Always keep away the mains lead from moving parts of the machine.
4. Do not apply side-pressure to the diamond blade. It can break the blade and cause the danger.
5. Remove the plug out of the wall socket before you open the machine.

Warning: before any operation with this machine, make sure sufficient local lighting has been provided.

● IMMEDIATELY SWITCH OFF THE MACHINE IN CASE OF:

1. Malfunction of the mains plug, socket or damaged cables.
2. Broken switch.
3. Smoke or smell caused by scorched insulation.

V INSTALLATION AND OPERATING

A.STARTING AND STOPPING THE SAW Insert the plug into a socket with a safety contact. This must be protected with a fuse e.g. in the terminal box. If an extension cable is required, please note that with a cable length of up to 20 m cable with a cross-section of 1.5 mm² must be used.

To start the saw, press the green button marked "I".

To stop the saw, press the red button "O". (Fig.1)

WARNING: For your own safety, always push the Switch "O" position when the tool is not in use...in the event of a power failure (all of your lights go out) or blown fuse or tripped circuit breaker, turn switch "O" position and remove the key. This will prevent the tool from starting up again when the power comes back on.

Overload Protection: the motor is equipped with Circuit Breaker.

If the motor is over loaded, gets too hot or the current gets very big, the circuit breaker will act automatically. If this occurs, please wait a few minutes until the motor has cooled down and then press the reset button (beside the On-/Off-Switch) and the cutter can restart.

Note: Residual Circuit Device (RCD) is strongly recommended be installed for your own safety.

B. ASSEMBLY Read the manual carefully before installation

1. **Clean** the working area, open the package and remove all packing materials, you will find the



Fig.2

folded machine. (Fig.3)

2. **Lay** the stand on level surface, stand it up according to procedures as shown in Fig.4 to Fig.9.
3. **To** stabilize stands by adjusting the leveling “set screw” located on the bottom of right front leg. (Fig.10).
4. Assemble the saw onto the stand and lock it (Fig.11.1). The saw stands up now.
5. Install the handle on cut unit by attached screws. The screws are attached on the mounting place.
6. **The** cut unit is locked into place by the lock under the slide rail during shipment. Unlock the cut unit before cutting (Fig.11.2&11.3).

NOTE: When not in use, always lock the cut unit to prevent it rolling back and forth along bridge.

Warning: Always lock the cut unit before any maintenance and transportation!

7. For wider tile than the main table designed, the extension table should be pulled out to support the tile., Fig.11.4.



Fig.3



Fig.4-folded stand



Fig.5-pull out right leg



Fig.6-Lock the right legit.



Fig.7- lifts up the frame and unfold the left leg.



Fig.8-lock the left leg.



Fig.9-the stands stand up



Fig.10



Fig.11.1



Fig.11.2 unlock position



Fig.11.3 lock postion



Fig.11.4 extension table

C. FILLING THE WATER TRAY AND DRAINING

1. **Fill** the tray with water through the cutting slot. Don't add chemicals or detergents to the water.
2. **Be** sure that the water level is always between the **MAX** and **MIN** level, so that the diamond blade turns through appropriate water. This is necessary to cool the blade in a correct way.
3. **If** the machine is not used, water should be drained. Take out the bigger table piece, loose the jam on the bottom of the tray, the water will flow out.
4. **After** cleaning the water tray, put back the table, make sure the pin goes into the pinhole (Fig.11.9).

D. MAKING A PUNCH CUT

1. **Loosen** the butterfly knob, the cutting unite will rise (Fig.11.10).
2. **Position** the cutting piece against the angle guide and the fence and keep its back upward, and press the handle for punch cutting. DO NOT force the motor to cut too quickly.



Fig.11.9-make sure the pin goes into pinhole.

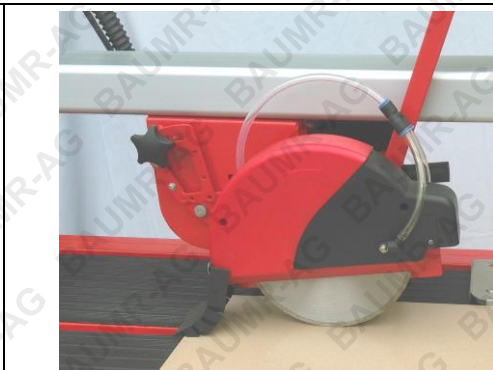
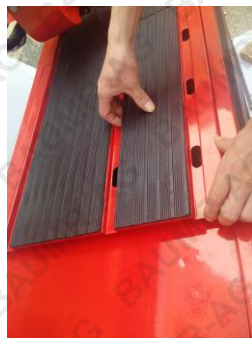


Fig.11.10-loose butterfly know for punch cut



Fig.11.11



Fig.12-Adjust the cutting guide

3. The punch cutting capacity: minimum opening hole size is 75 x75mm for cutting piece with 20mm thickness, and the over cutting distance is 19mm; maximum opening hole size is 610x610mm for cutting piece with 35mm thickness, the over cutting distance is 45mm (see Fig.11.11)

E. MAKING A STRAIGHT CUT

1. **Loosen** the knob of rip/miter guide and position the rip/miter guide so that it is in straight line, with the zero aligned with the notch. This indicates "no angle", or a straight cut. The rip/miter guide will be at a 90° angle o the fence. Tighten knob to keep guide in position. (Fig.12).



Fig.13-Making straight cut



Fig.14-Making angle cut



Fig.15

2. **Slide** the rip miter gauge against the tile and lock the gage by tightening the knob.
3. **Position** the tile firmly against the fence and rip/miter guide, slowly and smoothly pull blade assembly handle towards you to begin cutting. DO NOT force the motor to cut too quickly. (Fig.13).

F. MAKING A MITRE CUT

1. **Loosen** the knob and position the rip/miter guide so that the correct angle you want, 0° to 45° , is lined up with the notch. Tighten knob at that position.
2. **Align** the tile with rip/miter guide and hold firmly against guide. Turn on laser switch. Note that laser will show cutting line. As in above straight cut, slowly and smoothly pull blade assembly handle towards you to begin cutting. (Fig.14)

G. MAKING A BEVEL CUT

1. **Loosen** the knobs located on each rail stand of stoner cutter (Fig.15).
2. **Tilt** the bridge to the desired bevel angle 0° to 45° . Be sure to line up the bevel angle degree markings on each of rail stand, it will be easier to detect the degree through transparent window.
3. **Tighten** the knobs and follow directions above to make cut.

H. MOVING THE SAW

1. Lift the machine and drag the wheels to make them stand against ground (Fig.11.5, 11.6, 11.7).
2. Then raise the opposite end by handle to move the saw forward.

Note: While the machine is in use, make sure the wheels are hanged up to locked position Fig. 18.8.

Note: Before moving the saw, drain the water tray and lock the cut unit.



Fig.11.5



Fig.11.6



Fig.11.7



Fig.11.8



I. REPLACING THE DIAMOND BLADE

WARNING! Disconnect the power supply before installing or making adjustments to the diamond blade.

● **CHOICE OF THE DIAMOND BLADE** Only use diamond blade with diameter of 200mm, the bore of the blade must be 22.23mm.

● REPLACING THE DIAMOND BLADE

1. **First**, to disconnect the water supply, press the blue ring and pull out the water supply tube from the inlet connection on the blade guard (Fig.16).



Fig.16



Fig.17



Fig.18

2. **Then**, remove the blade guard by removing the two securing screws (Fig.17, 18).
3. **Ensure** that the shaft and flanges are clean and re-fit the blade in the opposite manner. Directional arrows on blade **MUST** line up with directional arrow on blade guard, so that material to be cut is against the direction of rotation.
4. **Replace** the flange back, and adjust the blade to get the best balance of Blade.
5. **Fix** the lock nut tightly.
6. **Re-install** the removed guard.

VI MAINTENANCE

CAUTION! While maintaining and cleaning the machine pull the plug from the mains socket. Never use water or other aggressive liquids while cleaning electrical parts of the machine.

● Periodic maintenance of the saw will prevent unnecessary problems. Keep the ventilation slots of the stone cutter clean to prevent overheating of the motor.

● Dry the saw as much as possible after using.

● PUMP MAINTENANCE



Fig.19.1



Fig.19.2-Remove the connection box cover



Fig.19.3-Loose and pull out the terminal



Fig.19.4-Loose and replace the pump.

Warning: Please make sure that you have pulled the Plug from the main socket when you do the following maintenance.

1. **Clean the pump** To clean the pump, remove the intake cover, and then take out of the filter foam and impeller cover. Use a small brush or stream of water to remove any debris on the foam and the impeller. (Fig.19.1)

Note: Please clean the pump immediately after you stop use. Otherwise the dry debris could stick the filter foam and the impeller, which will cause you to replace the filter foam or the pump.

2. **Replace the filter foam** To replace the filter foam, remove the intake cover, then take out of the filter foam and put into a new one.
3. **Replace the pump** After replacing new filter foam, if the pump still does not work, you have to replace problem pump with a new one, only use the pump recommended by the manufacturer of the machine. The changing procedures are as follows:
 - 3.1 Loosen the bolt of the pump connecting box located inside the main frame and remove the cover (Fig.19.2).
 - 3.2 Loosen the bolt of the pump cable lock and take the pump plug out of connecting box (Fig.19.3,19.4).
 - 3.3 Take out the pump and replace a new one, install the new pump by reversing above procedures 3.1 to 3.2.

Note: Only an authorized person should perform other repairs!

VII TROUBLE SHOOTING

Below we have listed a number of possible causes and corresponding solutions in case the machine does not function as it should:

● The motor gets hot.

1. The ventilation slots in the motor are blocked with dirt:
 - Clean the cool ventilation slots;
2. The motor is defective:
 - Have your stone cutter repaired by your supplier.

● The connected machine does not work.

1. Interruption in the mains connection;
 - Check mains connection for fracture.
2. The switch is broken.
 - Have your stone cutter repaired by your supplier.

VIII ACCESSORIES

1. Rip/mitre cutting guide.
2. Hexagonal blade wrench.
3. Motor shaft holding wrench.
4. Handle.



Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.

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