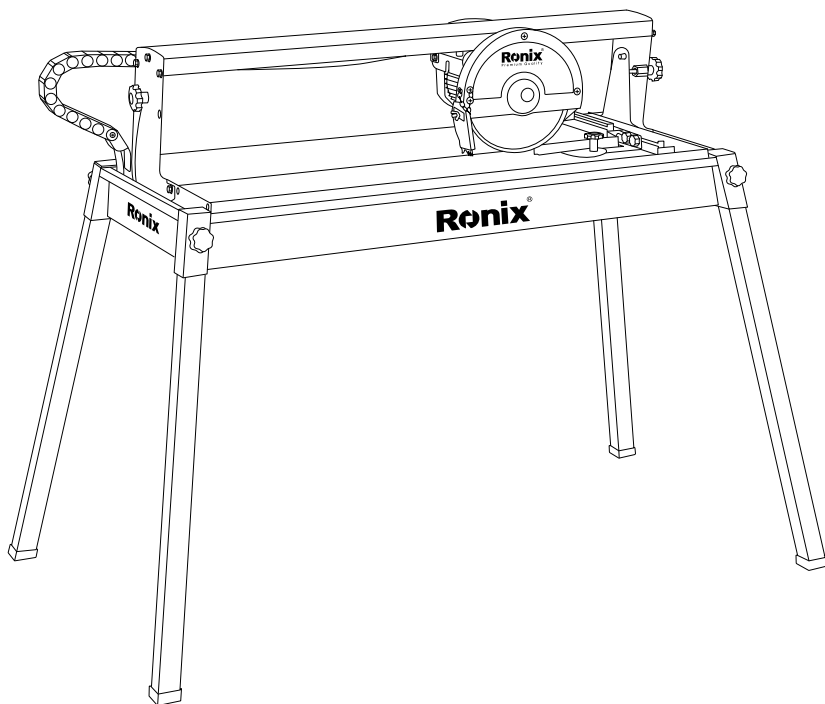


Ronix[®]

Premium Quality

TILE SAW

5620

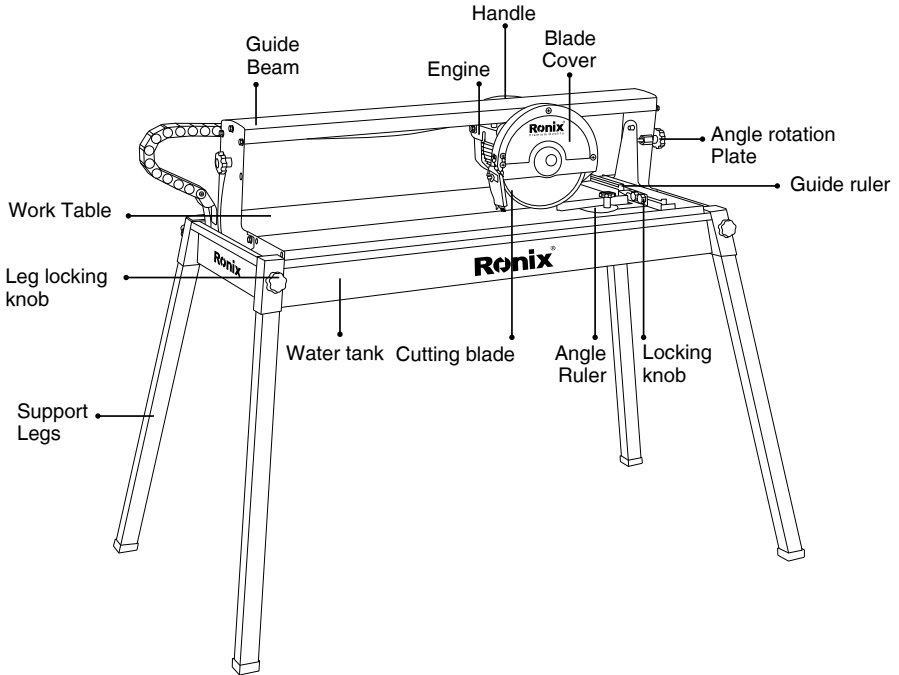


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SPECIFICATION

Model	5620
Power	800W
Voltage	230V
Frequency	50Hz
Product Dimention	Length: 1230mm×Width: 690mm×Height: 820mm
Table Dimention	890×394mm
Disk Diameter	ϕ200×ϕ25.4×2.4mm
Table Material	Aluminum Profile
Disk Material	65Mn, Corundum, Metal Powder
No Load Speed	2990RPM
Angle Cutting	0-45° 0°: 32mm 45°: 28mm
Max Cutting Length	620mm
Supplied in	color box
Weight	23.45Kgs (Excluding Color box and Accessories) 27.20Kgs(Excluding Color box)
Include	Rubber Feet 4pcs, Support Legs 4pcs, Legs Locking Knob 4pcs, Angle Ruler 1set, Wrench 2pcs, Water Plug 1pc

PART LIST



SAFETY SYMBOL

WARNING!

Attention! Read and remember the following graphic safety symbols. They inform you of the actions you must take to ensure the safety of those around you and yourself, as well as the measures needed to ensure the safe and lasting operation of the tile machine.



Read the operation manual carefully before using the tile machine.



Use personal protective equipment. Always wear products to protect your eyesight and hearing.



Use safety shoes, gloves and helmets.



The danger of electric shock.



If this instruction is not observed, the tile cutting machine is in danger of injury or damage.

SAFETY RULES

■ PLACE OF WORK

- Familiar with the environment around the workplace.
- Possible danger due to noise from tile cutting machinery.
- Do not use tile cutting machines in wet places, water vapor environments and close places.
- Avoid using tile cutting machines in areas with high humidity, wet environments, and confined spaces where flammable liquids and gases are stored.
- Make sure there are no people (especially children) and animals nearby. They can be injured by scattered particles of materials processed by ceramic tile cutting machine.
- Only work in a good visibility environment, or provide a workplace with enough light.

■ RUNTIME

- To prevent damage, the air humidity should not exceed 70-80% (when the temperature is 25°C).
- The indoor temperature shall not be lower than +5°C and higher than +35°C. On the contrary in this case, the engine may be overcooled or overheated.
- Do not wear loose clothes, jewelry, etc. at work to cover long hair, because all of these can be captured by the moving part of the tile cutting. Wear strong non-slip shoes, strong trousers, protective gloves, goggles (normal goggles are not protective) or protective masks, respirators (if dust is generated during work), headphones (if noise


increases), and safety helmets (if related hazards).

- Make sure that when you open it, you don't keep custom and fixing tools, wrenches, etc.
- Avoid unintentional launches. Before connecting the tile cutter to the plug the socket puts the start key in the closed position.

 **ATTENTION!**

Cheer up and work responsibly! Do not use a tile cutter if you are tired, or if you are affected by alcohol or reaction reducing drugs and other drugs!

- When working, choose a comfortable, stable and continuous one under your control location.
- Protect all parts of your body, mainly fingers, from possible contact with the moving part of tile cutting.

 **ATTENTION!** Wait for the inertial parts of the tile machine to stop completely after closing, and don't try to stop them by hand!

- The tile cutting machine should not be overloaded and should only be used according to the technical specifications to ensure reliable and safe operation.
- To prevent overheating, the machine should be used intermittently and not continuously.
- Compliance with the parameters specified in the technical specifications is necessary for safe and effective use of the machine.
- Observe the vents (grooves) of the motor housing It has always been open and pure.

 **ATTENTION!**

When the power grid is suddenly cut off, the start key should be adjusted to the disconnected position immediately to avoid accidental operation of the ceramic tile machine when re-supplying power.

- Turn off the tile machine and take out the plug every time you work and rest.

■ ELECTRICAL SAFETY

- The equipment plug should match the socket.
- The plug should not be modified in any way to reduce the risk of electric shock.
- Proper sockets that are unmodified can help reduce the risk of electric shock.
- It is important to use unmodified plugs and proper sockets to prevent electric shock.
- Do not use transition plugs for power tools with protective devices.
- Take necessary precautions against electric shock.
- Avoid contact between tool housing and ground surface, such as heating pipes, refrigerators.
- Protect equipment from rain and humidity. Equipment inlet water increases the risk of electric shock.
- Do not allow ropes to be used for other purposes, such as transportation or hang the power tool, or pull the plug from the socket. Protect the power cord from high temperature, oil stains, sharp edges or movable parts of power tools.
- Damaged or entangled wires can increase the risk of electric shock. When working outdoors, use extension cords with appropriate connectors.
- If you cannot apply the instrument only in dry weather, please pass Automatic protection device (protection cut-off device). RCD fault current protection switch is adopted to reduce the risk of electrical failure.
- When the length of extension cable is large and the cross section is small, there is an extra voltage drop in the lead, which may lead to unstable operation of the tile motor. Cable length and cross sectional dimensions in the table: according to the required current, the wire refers to the distance between the switchboard connecting the tile machine and its power cable plug. In this case, it doesn't matter whether the power is supplied to the tile cutting machine through the fixed lead,

the extension cable or the combination of the fixed cable and the extension cable. The extension cord should have a plug at one end and a socket compatible with the ceramic tile electromechanical plug at the other end. Relationship between cable length and conductor section size and consumed current.

Section (mm ²)	Rated current of cable (A)
0.75	6
1.00	10
1.50	15
2.50	20
4.00	25

 **ATTENTION!**

Ceramic tiles have double insulation. This means that all external metal components are electrically insulated from conductive components. This is achieved by placing additional insulation barriers between electrical and mechanical components, which eliminates the need for tools to be grounded. Please remember that double insulation cannot replace the conventional precautions required when using this tool. This insulation system provides additional protection against potential damage to the electrical insulation inside the tool.

Power supply voltage (V)	Consumed Current (A)	Cable length (m)					
		7.5	15	25	30	45	60
		Rated current of cable (A)					
220	2.0 – 0	6	6	6	6	6	6
	3.4 – 2.1	6	6	6	6	6	6
	5.0 – 3.5	6	6	6	6	10	15
	7.0 – 5.1	10	10	10	10	15	15
	12.0 – 7.1	15	15	15	15	20	20
	20.0 – 12.1	20	20	20	20	25	-

■ SPECIAL SECURITY RULES

- Avoid unintentional launches. Always disconnect the network cable from the socket, before performing any tool maintenance or disk replacement work.
- Use only the drive recommended by the manufacturer for a given drive models.
- Only the attached pressure washer can be used. The maximum allowable speed specified on the cutting disc shall be greater than the maximum speed of the tool spindle.
- Never lean on a tool, this can lead to injuries.
- Always wear protective gloves when operating disks.
- Always check the tools for damage. When discovered Replace damaged parts immediately. Ensure that the moving parts of the tool are not stuck, Check their center.
- Always observe the service direction. Only in the direction opposite to the direction in which the disk rotates.
- Don't leave the tool open without control and offline working mode.
- Always wait until the shaft rotation stops completely before leaving an unattended instrument. Always disconnect the cable from the power network at the end of the work.
- Never lock the protective sleeve of the saw blade to block the saw blade debris and dust. If this happens, stop the tool and disconnect it from the network until the jammed shield is released.
- Do not use bent, deformed or other damaged ones.
- The use of segmented cutting discs is not recommended.
- Do not use disks that do not meet technical requirements.
- try to slow down the rotation of the disk by exerting force on the side wall.
- At the beginning of repairing tools, replacing disks and T.P. always removes the wire plug from the network socket.
- Verify that the tool spindle diameter matches the landing hole of the disk.
- Ensure that the tool spindle diameter is consistent with the landing hole of the disk.
- According to the technical inspection: Fill the tank with water.

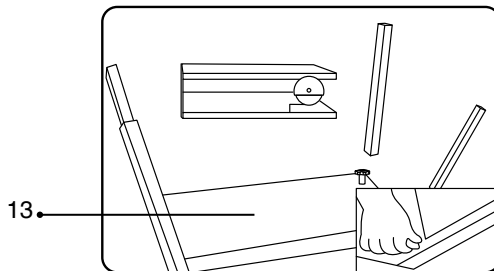
■ BEFORE WORKING, MAKE SURE

- 1- The power supply voltage of the instrument motor matches the power supply network voltage.
- 2- The power grid socket is grounded. It is recommended to connect through ROS tool (maximum value Leakage current 30mA).
- 3- Sockets, extension cords, power cords and their plugs are in good condition, electrical insulation is not damaged, and contact is good.
- 4- The tile cutter stands firmly on a flat, horizontal surface.
- 5- A protective cover is installed.
- 6- There is no damage to the cutting disk.
- 7- there is enough water in the water tray to make the cutting tray moist during operation.

BEFORE OPERATION

■ INSTALL SUPPORTING LEGS

- 1- Invert the water tank (13) and put it on a flat and stable surface.
- 2- Insert four supporting legs in the seat at the corner of the water tank.
- 3- Tighten four legs locking knobs.
- 4- Turn the ready made supported base over to a flat and stable surface.

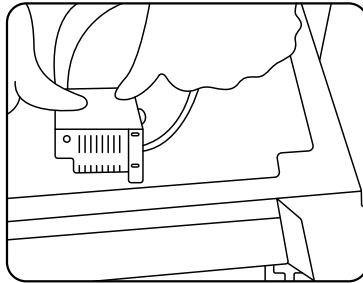


⚠ NOTE:

The tile cutter shall be mounted on a flat horizontal surface, taking into account the weight of the tile cutter and the workpiece.

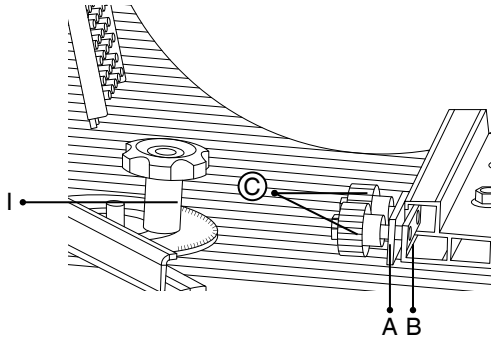
INSTALLATION OF PUMP

- 1- Install the water tank on the base. Fix its position with locking knobs.
- 2- Install the water pump inside the water tank.
- 3- Press the pump body gently until it clicks.
Click to indicate that the pump is fixed.
- 4- Lay hoses and cords around the pump.
- 5- Connect the water supply hose of the water pump to the disc.
Check the connection to the pump and outlet nozzle at the cutting disc.



■ INSTALLATION ANGLE SCALE

- 1- Get out 1 set angle ruler from package.
- 2- Loose two knobs (C) to keep certain gap distance between angle ruler fixing plate(A) and locking block (B), Then push it into guide ruler follow the direction of the arrow.
- 3- Set the required distance, fasten two knobs (C) again.
- 4- Loose angle ruler knob (I), set the required distance, fasten knobs (I) again.



■ **FILL THE TANK WITH WATER**

Electric ceramic tile machine equipped with special cooling water tank.
Cut diamond disks.

! ATTENTION!

It is strictly forbidden to operate the tile cutting machine without cooling the cutting plate with water!

1- Pour clear water into the tank to the maximum water level specified on the tank.

! ATTENTION!

Water can only be injected on disconnected instruments!

2- Before cutting tiles, turn on the tile cutter and make sure that water is delivered to the cutting plate.

3- Check the water level in the container regularly. Water should be higher than the pump level and the low point of the cutting disk.

4- Maintain the water level during operation. Prevent the liquid level indicated on the tank from dropping.

5- When starting up, the feed water pump will automatically start up.

CUTTING DISC INSTALLATION

ATTENTION!

Before replacing the cutting disc, be sure to turn off the tile cutter and disconnect the plug from the socket.

- 1- Remove the protective cover of the cutting disc by loosening the screw.
- 2- Loosen the nut (left hand thread) with two wrenches. The wrench may not match.
- 3- Remove the outer flange and move the cutting disc onto the inner flange on the spindle.
- 4- Install a new cutting disc, and the arrows on the cutting disc and protective sleeve should be in the same direction.
- 5- Use a special wrench to install the outer flange and nut in place. Install the protective cover.

ATTENTION!

Never use a ceramic tile machine without a protective cover.

OPERATION

- 1- Before opening the ceramic tile cutting machine, please ensure that the cutting disc has nothing to stir and has the function of free rotation. Check if the ceramic tile cutter is damaged, assembled correctly, and installed reliably.
- 2- Ensure that there is sufficient water in the container to supply the cutting disc.
- 3- Make sure the power cord is dry and laid in such a way that no water splashes on the power cord while the tile machine is working.
- 4- Mark the position/direction of the cut on the workpiece to be machined, and install the machined tile on the workbench, close to the groove corner support and rack.
- 5- Adjust the position of groove rack and check whether the cutting is correct.

6- Connect the tile machine to the 220V power network.

7- Open the tile cutting machine, wait for the maximum speed of the cutting disk, hold the motor moving handle tightly, and smoothly move the motor and cutting disk block on the guide rail frame for cutting.

■START

1- Connect the power tool to the power supply.

2- Press the green button (I) of the switch(D) to turn on the tile machine.

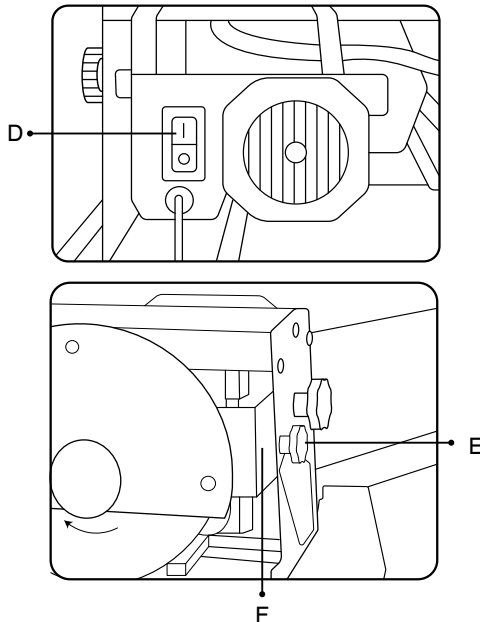
3- Disconnect the red button (O) of the power tool switch (D).

4- Before clicking the 'Release' button, ensure that the cutting disc is not disturbed and can rotate freely. Before placing the workpiece into the cutting disc, please wait for it to completely overlock. After working, remove the tiles when the disc is completely stopped.

5- Install the tool to the required position, and then tighten all fixing bolts.

6- Loosen retaining nut (E).

7- Remove transport support locking knob (F).



■ STRAIGHT LINE CUTTING

- 1- Pour water into the tank.
- 2- Tighten all fixing bolts.
- 3- Mark cutting lines on the machined parts.
- 4- Put the tile on the table and press it tightly against the support of the guide rail and the rack at the corner inclined plane. Adjust the angle ruler if necessary inclined plane.
- 5- Turn on the tile cutter and wait for the maximum speed of the cutting plate.
- 6- Hold the handle and move the motor with the handle.

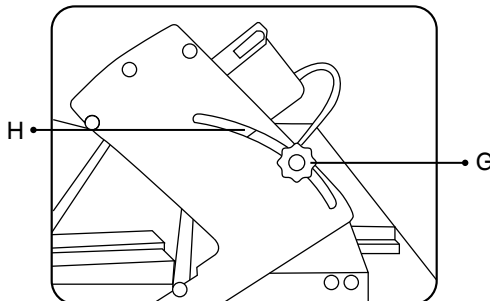
⚠ ATTENTION!

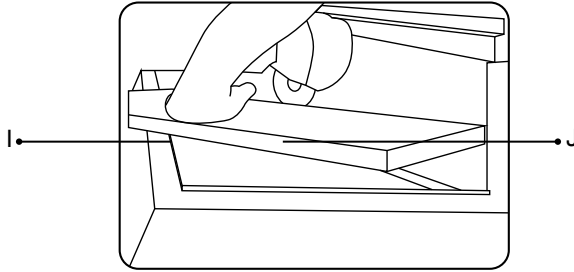
Do not press on the cutting plate.

The disc must pass through the materials a constant speed. Depending on the thickness and type of tile, cutting may take different times. Never try to push the cutting disc through the tile, which may cause the motor to stop, the cutting speed to slow down and the edges to be uneven.

■ OBLIQUE CUT

- 1- Operation procedure is the same as straight line cutting.
- 2- For chamfering, loosen the knob(G).
- 3- Tilt the guide rail to the desired angle under the guidance of angle scale (H).
- 4- Tighten retaining knob(G).





ANGULAR CUTTING

- 1- Operating procedure is same as the straight line cutting.
- 2- To perform angle cutting, set the bevel angle rack (J) to the required angle, using ruler knob (I).

■ SUGGESTIONS ON HOW TO HANDLE CERAMIC TILES

- After opening the tool, start cutting the tiles after the spindle is fully rotated.

Keep the tiles in a horizontal position, especially at the beginning of sawing.

- Pay attention to the water level in the sink and add water if necessary.
- Do not allow the power cord to approach the mobile node of the tool.
- It is not recommended to use excessively long extension cords; When using the extension wire on the coil, it must be completely released.
- Do not close the vent of the tool, pay attention to its cleanliness.
- Do not touch the disk until it completely stops and cools down.
- Never apply pressure to the side of the diamond disc, as this may cause the disc to rupture.

Flying saucer fragments may cause serious injury

- During the work process, always ensure that the entire surface of the workpiece is against the desktop.
- Ensure that the workpiece remains in a horizontal position, especially during the initial stage of work. In this case, the diamond disc will not bounce during the cutting process.
- Carefully carry out maintenance work. Ensure that the tools are sharp

and clean. This will make the cutting more precise and safe.

■ MAINTENANCE AND REPAIR

- After work, before cleaning, replace diamond disc or tank with water.
Disconnect the cable plug from the network socket with water.

- The tile cutting machine must be cleaned immediately after the work is finished. For this the following steps need to be taken:

1- Disconnect the power cord plug from the network socket

2- Remove the water tank and discharge dirty water

3- Remove the protective cover and clean it

4- Release the handwheel, move the workbench and wipe the whole tool.

5- Wipe dirt and dust with soft cloth or napkin on tool shell and vent.

Suggestions on sustainable pollution

Soak soft tissue in soapy water to eliminate it.

ATTENTION!

Solvents are not allowed to eliminate pollution: gasoline, alcohol, etc.

- The tool does not require additional lubricant. All maintenance work can only be carried out in special service facilities Center.

- Regularly check whether the power cord plug and network socket are in good condition. Also check the extension cord regularly. Do not use tile cutting machine if there are protective devices or switches Failure.

- If any trouble is found, please contact the service center.

Malfunction	Possible causes	Elimination measures
Non-engine Start	No voltage of power grid Nutrition	Check for presence or absence Grid voltage
	Circuit breaker fault	Contact service center
	The motor windings are burnt out	Contact service center

The engine is not running at full speed, nor is it running at full power	Low voltage	Check the grid voltage
	Network congestion	Check the grid voltage
	Winding fracture	Contact service center
	It's too long. Extension cord	Replace the extender with a shorter extender
Engine overheating, stop, disconnect fuse	Engine overload	Reduce engine load & maintain this operating condition
	Winding burnt or broken	Contact service center
	Insufficient power of fuse or circuit breaker	Install fuses or circuit breakers with appropriate power
Elevation Vibration, clearance Cutting disc	Disk imbalance (cutting disk with debris)	Replace cutting disc
	Poor cutting disc Fixed	Installing disc rear fastening flange nut
Odor of smoke and insulation burning	Rotor or stator winding fault	Contact service center
There is no cooling water supply on the disc	- Low water level Pallet - Disconnect the feed hose - pump failure	- Add water to the maximum - Check the hose and its Connect - Contact the service center

STORAGE

- Before storing tiles for a long time, it is recommended to lubricate them with machines. Unoiled worktable surface, hinged threaded joint of tile cutting machine (except cutting disk), for anticorrosion.

- Tile cutting machine, user manual, and all accessories should follow Store in a dry and safe place. This provides an opportunity to get all the details and all the necessary information in the future.
- Tools should be kept in the manufacturer's packaging, heated, Ventilated spaces inaccessible to children at temperatures of + 5°C to +35°C and relative humidity not exceeding 85% (+ 25°C), excluding direct sunlight.
- The tools in the manufacturer's packaging can transport all kinds of covered ones Transportation when the air temperature is -10°C to + 40°C and the relative humidity is 85% (the temperature is + 25°C).
- During transportation, any possible impact should be avoided, and move the kit inside the vehicle.



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