



7" Electric Tile Saw - BTS50

User Manual

[Revision 1.0 May 2020]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.



You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol or medication.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors and vents.



You **CAN** be INJURED if you do not follow instructions or equipment damage may occur.

General Equipment Use and Care

- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety	General Electrical Safety	General Service Information
<ul style="list-style-type: none"> Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately. Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment. When wiring electrically powered equipment, follow all electrical and safety codes. Wherever possible, use a residual current device (RCD). High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal. 	<ul style="list-style-type: none"> Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet. Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord. Do NOT use equipment that has exposed wiring, damaged switches, covers or guards. Do NOT use electrical equipment in wet conditions or in damp locations. Do NOT use electrical cords to lift, move or carry equipment. Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards. 	<ul style="list-style-type: none"> The equipment must be serviced or repaired at authorised service centres by qualified personnel only. Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained. Do NOT attempt any maintenance or repair work not described in this manual. After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories or performing repair or maintenance. Do NOT adjust while the equipment is running. Perform service related activities in suitable conditions, such as a workshop. Replace worn, damaged or missing warning/safety labels immediately.

Electric Tile Saw Safety

Read all the instructions and warnings carefully before using this product. Failure to follow warnings and instructions can result in severe injury, death, or property damage. Before installation, check if all accessories are complete and without damage. If not, contact customer service. Keep these instructions in a safe place for future reference. Use this product with its original parts only. The manufacturer cannot be held responsible in the event of damage or injury due to incorrect use of this product. The information contained in this manual is believed to be correct at the time of printing. However, the manufacturer reserves the right to change or modify any of the specifications without notice or obligation to update existing units. Repairs should only be carried out by a specialist or a professional and experienced technician. Never attempt to repair the product yourself.

Intended Use. The tile saw is designed to perform cutting jobs on small and medium tiles (floor and wall tiles made of ceramic and similar material) which suit the machine's size. The thickness of tiles may not exceed 35mm. It is intended in particular for use by DIY enthusiasts and crafts persons. The cutting of wood and metal is prohibited. The machine is to be used solely for its intended purpose.

Warnings and Personal Safety

- 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. 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.
- Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
- 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.
- When not in use, tools should be stored in a dry locked-up place, out of reach of children.
- It will do the job better and safer at the rate for which it was intended. 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 logs.
- Do not wear loose clothing or jewellery, they can be caught in moving parts. Non-skid footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
- Use safety glasses. Use face or dust mask if working operations create dust.
- Never yank the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
- Where possible use clamps or a vice to hold the work. It is safer than using your hand.
- 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.
- When not in use, before servicing and when changing accessories such as blades, bits and cutters, disconnect tools from the power supply.
- Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
- Ensure switch is in "OFF" position when plugging in.
- Watch what you are doing, use common sense and do not operate the tool when you are tired.
- 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 centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service centre. Do not use the tool if the switch does not turn it on and off.
- The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.
- 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.

Unpacking

- To prevent accidental starting that could cause possible serious personal injury, assemble all parts of your tile saw before connecting it to the power supply. The tile saw should never be connected to the power supply when you are assembling parts, making adjustments, installing or removing blades, or when not in use.
- Carefully remove all parts from the carton and place the tile saw on a level work surface. Lay out the parts and check them against the parts list.
- If any parts are missing, do not operate this tool until the missing parts are replaced. Failure to do so could result in possible serious injury and damage your new tile saw.
- Do not discard the packing materials until you have carefully inspected the tile saw, identified all parts, and satisfactorily operated your new tile saw.
- If any parts are damaged or missing, do not attempt to plug in the power cord and turn on the switch until the damaged or missing parts have been obtained and installed correctly.

Electrical Safety

- **Always check that the power supply corresponds to the voltage on the rating plate.**
- Remove the plug before carrying out any adjustment, servicing or maintenance.
- Keep work area clear. Cluttered areas and benches invite injuries.
- **Warning: The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; it is important to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use the declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another the declared vibration total value may also be used in a assessment of exposure.**
- Replacing cables or plugs: Immediately throw away old cables or plugs when they have been replaced by new ones. It is dangerous to insert the plug of a loose cable into the wall outlet.
- Grounding: In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing a path of least resistance to disperse the electric current. This machine is equipped with a power cord that has an equipment-grounding prong. Reduce the risk of electrocution by keeping all connections dry and off the ground. Do not touch plugs with wet hands. Failure to follow these warning could result in serious injuries. This machine must have a ground prong in the plug to help ensure that it is grounded. Do not remove ground prong from plug to make it fit a two-pronged outlet! If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician.

General Safety Instructions for Power Tools

- **When using electrical tools, the following safety instructions should be observed to prevent the risk of electric shock, personal injury and fire. Read and observe these instructions carefully before using the tool.**
- Keep the work area clean. Cluttered areas invite injuries.
- Consider your work area environment. Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep your work area well lit. Do not use power tools near flammable liquids or gases.
- Guard against electric shock. Prevent direct contact with the grounded surfaces such as pipes, radiators, ranges and refrigerator enclosures.
- Keep children away. All visitors should be kept at a safe distance from the work area.
- Store idle tools. When not in use, tools should be stored in a dry, high or locked-up place, out of the reach of children.
- Do not force the tool. It will do a better job and operate more safely at the rate for which it was intended.
- Use the right tool for the job. Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. This tool is designed for certain applications and will do a job better and more safely for which it is intended.
- Dress properly. 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 in moving parts.
- Use safety glasses. Also use a dust mask during operations that generate dust and wear ear protection. If the noise level exceeds 85 dB (A), ear protection is obligatory. The indicated noise levels may be exceeded dependent on the working environment and the material to be cut.
- Use dust extraction. If dust extraction and collection devices are present on the tool, make sure that they are be used properly.
- Do not abuse the cord. Never carry tool by the cord or yank it to disconnect it from the wall outlet. Keep the cord away from heat, oil and sharp edges.
- Secure work. Use clamps or a vise to hold the workpiece. It is safer and it frees both hands to operate the tool.
- Do not overreach. Keep proper footing and balance at all times.
- Maintain tools with care. Keep tools sharp and clean for a better and safer performance. Follow the instructions for lubricating and changing accessories. Inspect the tool's cords periodically and, if damaged, have them repaired at an authorised service facility. Inspect extension cords periodically and replace them if damaged. Keep handles dry, clean, and free of oil and grease.
- Disconnect tools when not in use, before servicing, and when changing accessories such as blades, bits and cutters.
- Remove adjusting keys and wrenches. Make a habit of checking for keys and adjusting wrenches before turning the machinery on.
- Avoid unintentional starting. Do not carry plugged-in tools with your finger on the switch. Be sure that the tool is switched off before plugging it in.
- Outdoor use extension cords. When tools are used outdoors, use only extension cords intended for use outdoors and so marked.
- Stay alert. Watch what you are doing. Use common sense. Do not operate tools when you are tired.
- Check damaged parts. Before further use of the tool, a guard or other part that is damaged 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 at an authorised service centre unless otherwise indicated elsewhere in the instruction manual. Do not use tool if switch does not turn it on and off.
- **The use of any other accessory or attachment other than those recommended in the instruction manual may present a risk of personal injury.**





















- Have your tool replaced by an expert: This electric appliance is built in accordance with the relevant safety rules. Repair of electric appliances must only be carried out by experts, otherwise it may cause present considerable danger to the user.

Special Safety Instructions for the Tile Saw

- **This tile saw is only designed for wet cutting, and only continuous rim diamond blades can be used.**
- Wet Hands: Do not touch electrical connections with wet hands.
- Plug in: All plugs and receptacles must be off the ground and in a dry location.
- Blade cooling: Ensure that the blade remains water-cooled during all cutting operations.
- Dry cutting: Never dry cut with blades designed for wet cutting.
- Dust mask: Always wear a dust mask when cutting tile.
- Diamond blades: Do not feed the tile into the blade faster than the blade can cut.
- Blade selection: Use the correct diamond blade for the material to be cut.
- Blade mounting: Before mounting the blade, inspect the arbor, arbor nut, and flanges for damage, wear, or looseness. Replace any damaged or worn parts.
- Blade direction: Check the directional arrow on the saw blade and keep the blade and motor shaft in the same direction.
- Blade arbor: Ensure the blade bore diameter matches the arbor shaft size on the tile saw.
- Blade guard: Do not operate the tile saw without the blade guard installed and properly adjusted.
- Blade speed: Do not exceed the safe operating speed of the blade.
- Side grinding: Do not use the blade for grinding purposes, e.g. for grinding the edge of a tile after cutting it. Do not carry out radial or curved cuts.
- This appliance is for domestic use only.
- Run down time: The run-down time of the blade is 40 seconds after switching off power. Wait until the blade stops completely, then pull out the plug from the mains socket, only after this you are allowed to touch rotating parts if necessary.
- Prevent any contact with rotational tool during the operation.

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 <p>Flammable Material Hazard Flammable liquids, gases or substances etc may present. Avoid ignition sources and open flames. Danger of fire.</p>	 <p>Read User Manual Read and fully understand product safety warnings, operation, procedures etc before using the product.</p>	 <p>Use Hand Protection Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.</p>	 <p>Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>
 <p>Electrocution / Electrical Shock Hazard High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.</p>	 <p>Toxic Fumes / Dust Hazard Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.</p>	 <p>Explosive Material Hazard Combustible liquids, gases or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.</p>	 <p>Cutting / Amputation Hazard The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.</p>
 <p>Crush Hazard The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Single Operator Only The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.</p>	 <p>Use Face Protection Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.</p>	 <p>Use Foot Protection Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.</p>
 <p>Use Eye / Ear / Head Protection Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing and head hazards.</p>	 <p>Running Hazard Do not run on or near the product as doing so may present a fall hazard.</p>	 <p>Diving Hazard Do not dive into the product as doing so may present a neck / head injury hazard.</p>	 <p>Adult Supervision Required Always supervise children and other users of a product to prevent drowning or injury.</p>
 <p>Skin Penetration / Puncture Hazard The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.</p>	 <p>Hot Surface Hazard Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.</p>	 <p>Flying Debris Hazard Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.</p>	 <p>Moving Parts Hazard Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.</p>
















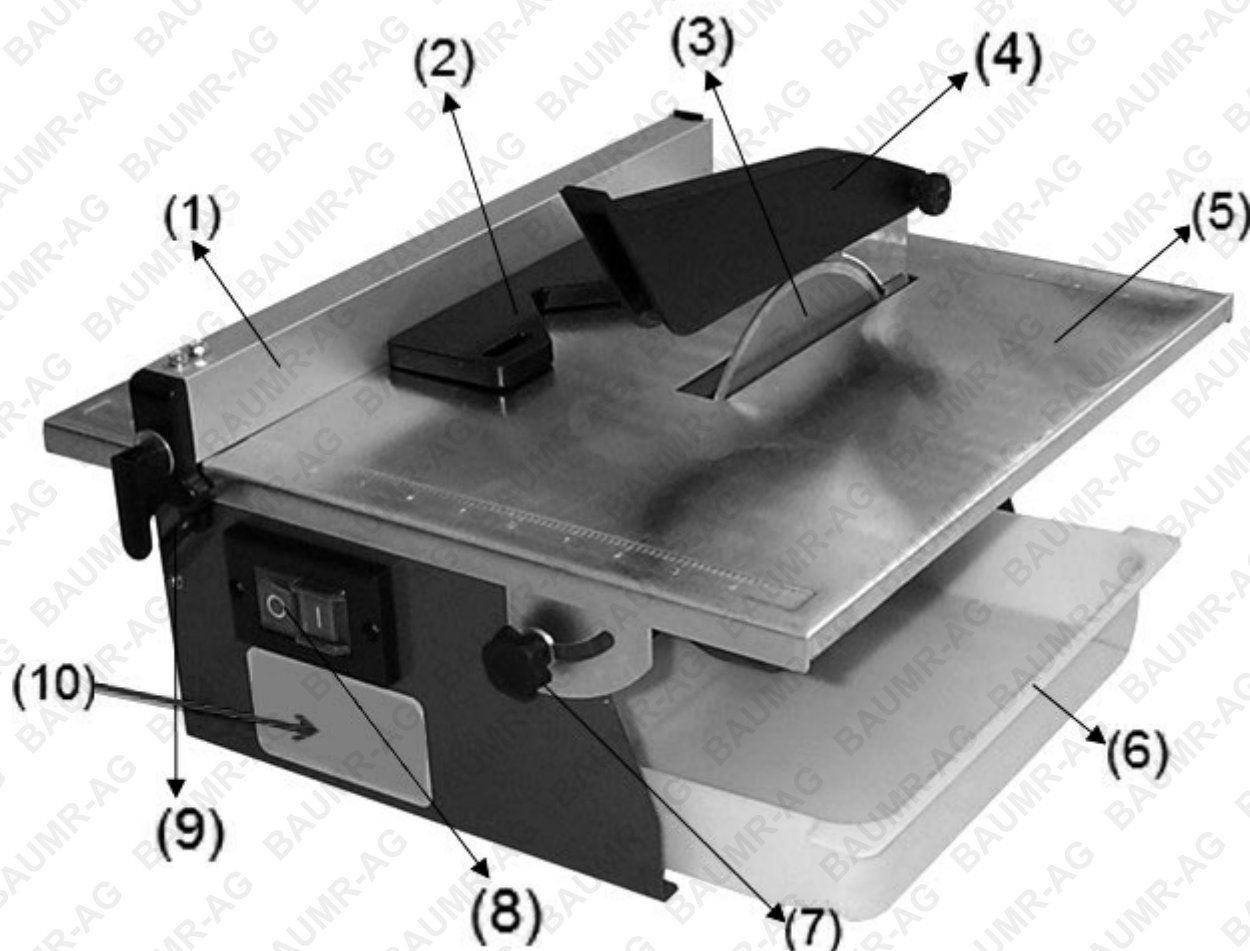
 <p>Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>	 <p>Pull Hazard Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Slope / Fall Injury Hazard Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.</p>	 <p>"Slam Dunk" Warning Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.</p>
 <p>Electrocution / Electrical Shock Hazard - Outdoor High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp or wet conditions. Electrical shock can be fatal.</p>	 <p>Electrocution / Electrical Shock Hazard - Disconnect High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.</p>	 <p>Power Line Electrocution Hazard High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</p>	 <p>"Kick-Back" Hazard High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.</p>
 <p>Winch Operator Position Hazard Do NOT stand between winch and load. Do NOT use winch to move people.</p>	 <p>Winch Lift Hazard Do NOT LIFT load vertically. Use machine to PULL only.</p>	 <p>Cable Hazard Ensure that load bearing cable is not kinked or knotted.</p>	 <p>Winch Cable Hazard Ensure that there is a minimum number of cable coils on winching mechanism.</p>
 <p>Winch Hook Hazard Carry hook to load – do NOT throw or run.</p>	 <p>Flash / Blinding Hazard Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.</p>	 <p>Laser Hazard Laser may be in use – do NOT look directly at laser or allow others to.</p>	

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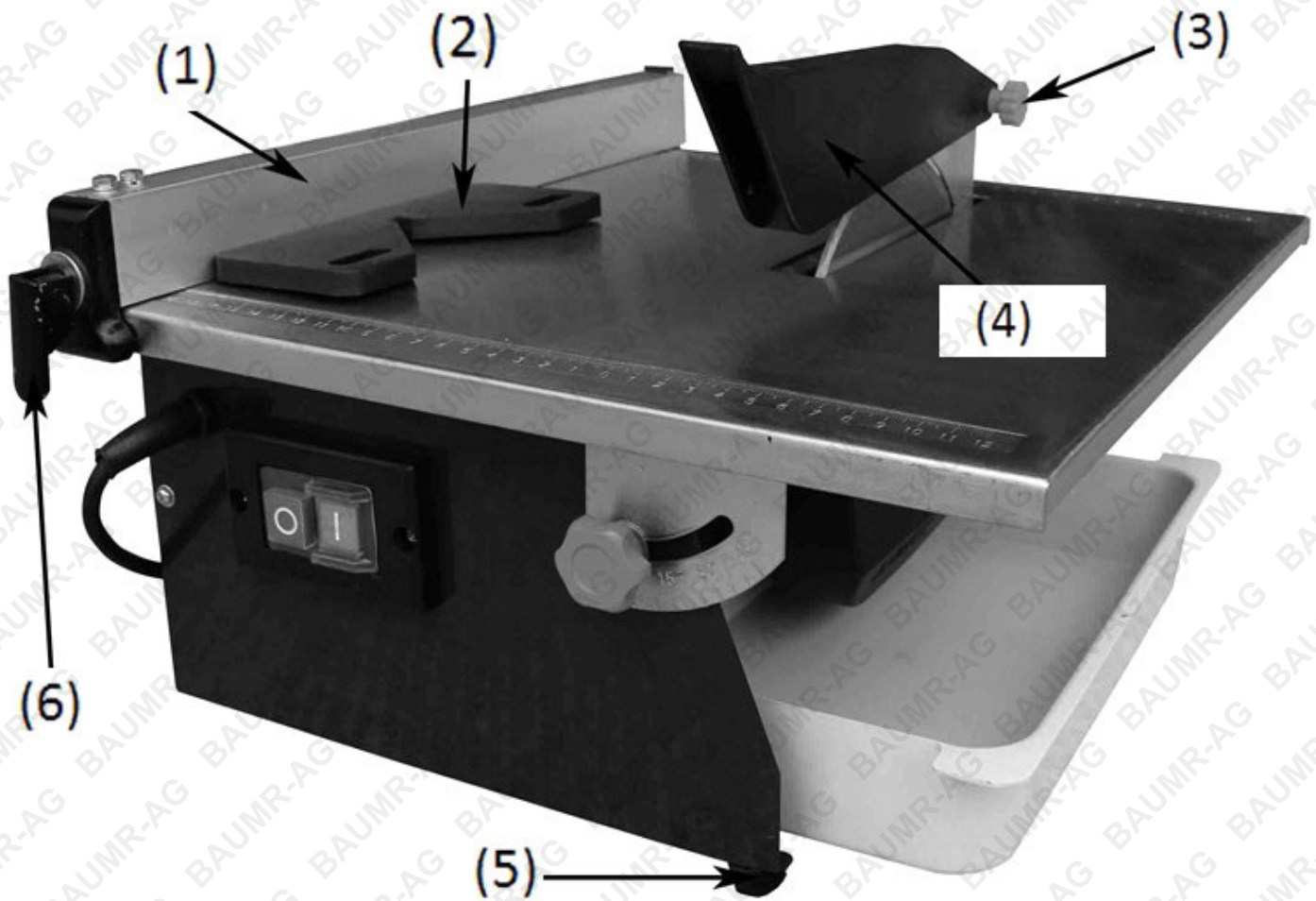
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Parts Identification



No.	Part	Description
1	Parallel guide	Straight cuts can be made on rectangular tiles using the supplied parallel guide.
2	Mitre gauge	Diagonal cuts can be made on rectangular tiles using the included mitre gauge.
3	Blade	This machine is delivered with a standard $\Phi 180$ mm diamond blade with a 22.2 mm bore. Only use a continuous rim diamond blade.
4	Blade Guard	The blade guard protects the operator from coming into contact with the blade.
5	Table	This machine has a square 330 mm x 360 mm steel table with tilt control for bevel cutting.
6	Water tank	Contains water for cooling the blade during operation of this machine.
7	Table tilting mechanism / locking knob	
8	ON/OFF	This machine has a magnetic switch for safer operation.
9	Cable and plug	
10	Warning Label	

Installation



1: Rip fence, 2: Mitre guide, 3: Locking knob, 4: Blade cover, 5: Rubber pad, 6: Locking lever

Mounting

1. Prepare a surface, stable, clear and free of materials as a support base for the machine.
2. Before starting the machine, ensure all covers and safety guards are installed and in working order.

Mounting the Diamond Blade

1. Remove the protective blade guard by loosening the screws.
2. Lock the motor shaft with an 8mm wrench and use a 19mm wrench to unscrew the nut and slide out the disc.
3. Place the new disc, carefully checking the direction of rotation indicated on the blade.
4. Replace the plate and the nut and re-attach the protective cover.

Mounting the Protective Disc

1. Hold the protective guard in place and tighten the screws.
2. Make sure it is aligned with the disc.

Installing/Adjusting the Parallel Guide

1. Place the Parallel Guide on the Tabletop to the left of the Blade.
2. Pull the Locking Lever up, slide the Parallel Guide into the desired location, then press the Lock Lever down to lock the Parallel in place on the Tabletop.

Positioning the Mitre Guide

Place the Mitre Guide against the Parallel Guide.

Install the Rubber Pad

Place the four rubber pads under the body.

Operation



To avoid serious personal injury, read and become familiar with the instruction manual before making any cuts with this tile cutting machine.

Rip Cutting

1. Using a marking pencil, mark the cut line on a piece of tile.
2. Unlock the parallel guide and slide it to the edge of the table.



3. Line up the cut line on the tile with the diamond blade.

Only use the machine after it has been assembled completely and it has been screwed onto the workbench.

4. Adjust the parallel guide against the edge of the tile and lock the parallel guide into position.
5. Turn the machine ON and allow it to reach full speed. Be sure the blade runs smoothly. The blade should also be wet from the water tank below the machine.
6. Keeping your fingers out of the cutting path, slowly slide the tile into contact with the moving blade. Note-DO NOT feed the tile into the blade too fast.

45° Mitre Cutting

Diagonal cuts can be made on rectangular tiles using the supplied mitre gauge. The picture shows a typical set-up for cutting the corner off a square tile.



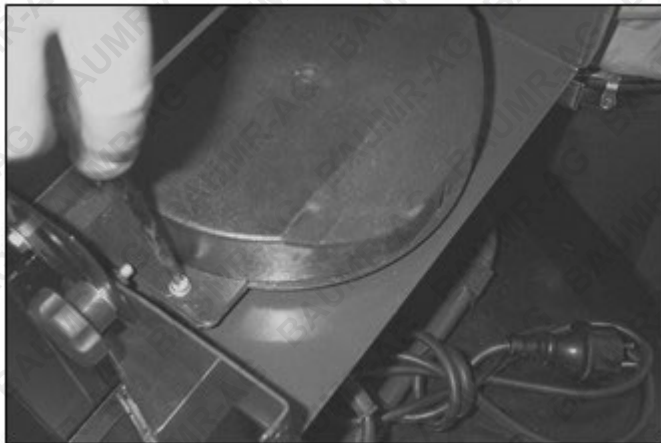
Bevel Cutting

The worktable can be tilted up to 45° to accommodate bevel cutting. Loosen the knob on the front of the tile saw. Use the scale on the front of the tile saw to set the desired table tilt angle. Retighten the knob to secure the table.



Blade Installation and Changes

This tile saw is only designed for wet cutting, and only continuous rim diamond blades can be used.



1. Unplug the machine from the power source!
2. Remove the water tank from underneath the machine.
3. Remove the lower blade guard by removing the screws on each side of the lower blade guard.

4. Use spanner A and spanner B to loosen and remove the arbor nut from the motor spindle (D: Outer flange, E: Arbor nut, F: 180mm continuous rim diamond blade)



5. Slide the outer flange and the diamond blade off the end of the motor spindle.
6. Slide the new diamond blade and the outer flange over the end of the motor spindle. Make sure the directional arrow printed on the diamond blade is pointing in an anti-clockwise direction when viewing the machine facing the arbor nut.
7. Thread and tighten the arbor nut onto the motor spindle to secure the diamond blade.
8. Re-install the lower blade guard.

Maintenance

Cleaning

Keep cutting machinery clean to make sure it works better and more safely. Before cleaning, maintaining, or repairing, and before transport, disconnect and unplug the machine, and clean it with a damp cloth. Do not use aggressive cleaning products to clean the machine. Do not submerge the machine in water.

Checking Components

Follow the instructions for changing accessories. Periodically check the machine's power cables and if they are damaged, have them repaired by an authorised technician.

Troubleshooting

Problems	Possible causes	Likely Solutions
Tool will not start.	Cord not connected.	Make sure that the power cord is properly plugged into the mains outlet.
	No power from the outlet.	Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads.
	Tool's thermal reset breaker tripped (if equipped).	Turn off the tool and allow it to cool. Press the reset button on the tool.
	Internal damage or wear. (Carbon brushes or switch, for example.)	The product must be repaired by a qualified technician only.
Tool operating slowly.	Extension cord too long or the diameter of the wire is too small.	Eliminate the use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load.
Performance decreases over time.	Accessory dull or damaged.	Keep cutting accessories sharp. Replace as needed.
	Carbon brushes worn or damaged.	Have a qualified technician replace the brushes.
Excessive noise or rattling.	Belt (if equipped) too loose (slipping) or too tight (bearing damage).	Properly tension the belt.
	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have a technician service tool.
Overheating	Forcing the machine to work too fast.	Allow the machine to work at its own rate.
	Accessory misaligned.	Check and correct accessory to align with the parallel guide and/or the table.
	Accessory dull or damaged.	Keep cutting accessories sharp. Replace as needed.
	Blocked motor housing vents.	Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air.
	Motor strained by an extension cord that is too long or too small in diameter.	Eliminate the use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load.

Specifications

Rated power	600W
Table size	395 x 385mm
Max cutting depth	34mm @90°, 22mm@45°
Mitre angle	45°
Blade	180 x 25.4mm Diamond
Rated speed	3000/min
Input voltage	220-240V~50Hz
Power Plug	Australian Standard
Protection class	IP54



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

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