



# 550W SLIDING TILE CUTTING SAW

WTS550  
INSTRUCTION MANUAL

**GMC**<sup>®</sup>  
**GLOBAL MACHINERY COMPANY**

Black	Magenta	Code: WTS550		
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## Warranty Power Tools

Whilst every effort is made to ensure your complete satisfaction with this tool, occasionally, due to the mass manufacturing techniques, a tool may not live up to our required level of performance and you may need the assistance of our service department.

This product is warranted for a 2-year period for home domestic use from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be repaired or replaced free of charge with another of the same item. A small freight charge may apply. Proof of purchase is essential. We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use. It also does not cover any bonus items or included accessories. Only the power tool is covered under this warranty.

With continuing product development, changes may have occurred which render the product received slightly different to that shown in this instruction manual.

Please ensure that you store your receipt in a safe place.

Conditions apply to the above warranty. For full details of the warranty terms and conditions please refer to our website – [www.gmcompany.com](http://www.gmcompany.com)

For prompt service we suggest you log your service request online - [www.gmcservice.com.au](http://www.gmcservice.com.au), should you not have access to the internet, please contact our service department on 1300 880 001 (Australia) or 0800 445 721 (New Zealand).

## Introduction

Your new GMC power tool will more than satisfy your expectations. It has been manufactured under stringent GMC Quality Standards to meet superior performance criteria.

You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.

**CAUTION.** Carefully read through this entire Instruction Manual before using your new GMC Power Tool. Take special care to heed the Cautions and Warnings.

Your GMC power tool has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this tool, making it easy to maintain and operate.

## Environmental protection



Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

## Description of symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.



Wear hearing protection.

Wear eye protection.

Wear breathing protection.



N380

Conforms to relevant standards for electromagnetic compatibility.

## Specifications

Nominal voltage:	230 – 240 Vac ~ 50Hz
Power:	550W
Speed:	2950min <sup>-1</sup>
Blade size:	200mm Diamond blade
Bore size:	25.4mm
Bevel capacity:	45°
Maximum cutting depth at 90°:	30mm
Table Size:	430mm x 480mm
Maximum cut length:	600mm

## General safety instructions

To use this tool properly, you must observe the safety regulations, the assembly instructions and the operating instructions to be found in this Manual. All persons who use and service the machine have to be acquainted with this Manual and must be informed about its potential hazards. Children and infirm people must not use this tool. Children should be supervised at all times if they are in the area in which the tool is being used. It is also imperative that you observe the accident prevention regulations in force in your area. The same applies for general rules of occupational health and safety.

**WARNING.** When using power tools, basic safety precautions should always be taken to reduce the risk of fire, electric shock and personal injury. Also, please read and heed the advice given in the additional important safety instructions.

- 1. Keep the work area clean and tidy.** Cluttered work areas and benches invite accidents and injury.
- 2. Consider the environment in which you are working.** Do not use power tools in damp or wet locations. Keep the work area well lit. Do not expose power tools to rain. Do not use power tools in the presence of flammable liquids or gases.
- 3. Keep visitors away from the work area.** All visitors and onlookers, especially children and infirm persons, should be kept well away from where you are working. Do not let others in the vicinity make contact with the tool or extension cord.
- 4. Store tools safely.** When not in use, tools should be locked up out of reach.
- 5. Do not force the tool.** The tool will do the job better and safer working at the rate for which it was designed.
- 6. Use the correct tool for the job.** Do not force small tools or attachments to do the job best handled by a heavier duty tool. Never use a tool for a purpose for which it was not intended.
- 7. Dress correctly.** Do not wear loose clothing or jewellery. They can be caught in moving parts. Rubber gloves and non-slip footwear are recommended when working outdoors. If you have long hair, wear a protective hair covering.
- 8. Use safety accessories.** Safety glasses and earmuffs should always be worn. A face or dust mask is also required if the sanding operation creates dust.
- 9. Do not abuse the power cord.** Never pull the cord to disconnect the tool from the power point. Keep the cord away from heat, oil and sharp edges.
- 10. Secure the work piece.** Use clamps or a vice to hold the work piece. It is safer than using your hand and frees both hands to operate the tool.
- 11. Do not overreach.** Keep your footing secure and balanced at all times.
- 12. Look after your tools.** Keep tools sharp and clean for better and safer performance. Follow the instructions regarding lubrication and accessory changes. Inspect tool cords periodically and, if damaged, have them repaired by an authorised service facility. Inspect extension cords periodically and replace them if damaged. Keep tool handles dry, clean and free from oil and grease.
- 13. Disconnect idle tools.** Switch off the power and disconnect the plug from the power point before servicing, when changing accessories and when the tool is not in use.
- 14. Remove adjusting keys and wrenches.** Check to see that keys and adjusting wrenches are removed from the tool before switching on.
- 15. Avoid unintentional starting.** Always check that the switch is in the OFF position before plugging in the tool to the power supply. Do not carry a plugged in tool with your finger on the switch.
- 16. Use outdoor rated extension cords.** When a tool is used outdoors, use only extension cords that are intended for outdoor use and are so marked.

**17. Stay alert.** Watch what you are doing. Use common sense. Do not operate a power tool when you are tired.

**18. Check for damaged parts.** Before using a tool, check that there are no damaged parts. If a part is slightly damaged, carefully determine if it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, proper mounting and any other conditions that may affect the operation of the tool. A part that is damaged should be properly repaired or replaced by an authorised service facility, unless otherwise indicated in this Instruction Manual.

Defective switches must be replaced by an authorised service facility. Do not use a tool if the switch does not turn the tool on and off correctly.

**19. Guard against electric shock.** Prevent body contact with grounded objects such as water pipes, radiators, cookers and refrigerator enclosures.

**20. Use only approved parts.** When servicing, use only identical replacement parts. Use an authorised service facility to fit replacement parts.

### **Additional safety rules for tile cutting saws**

Always connect the machine to a correctly earthed power supply.

**SAFETY SWITCH.** The unit is fitted with a 30 mA residual current circuit breaker (RCD) for extra protection against electric shock.

- For your own safety read instruction manual before operating saw
- Wear eye protection.
- Use top blade guard for every operation for which it can be used.
- Disconnect saw before servicing, when changing cutting wheels, and cleaning.
- Use tool only with smooth edge cutting wheels free of openings and grooves.

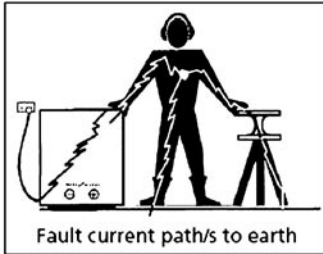
- Replace damaged cutting wheel before operating.
- Do not fill water compartment above water fill line.
- Ensure that the directional arrow marked on the blade corresponds with the rotational direction of the motor.
- With the machine disconnected from the power supply, rotate the blade by hand to ensure it is free from obstruction.
- Always keep the blade-securing nut and flanges clean.
- Ensure that the blade-securing nut is securely tightened with the wrenches provided.
- Never try to cut freehand. Always ensure that the tile to be cut is pressed firmly against the rip fence.
- Ensure that the piece of tile 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 blade.
- Ensure that the table and surrounding area are clear with the exception of the tile to be cut.
- Before cutting a piece of tile let the saw 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 blade reach full speed before starting the cut.
- Let the blade come to a complete stop before removing any jammed or off cut material from around the blade area.
- Never allow the blade to run dry. Failure to keep the water compartment topped up will result in possible overheating of the diamond blade and a poor cut in the tile.

## Additional safety rules when using water cooling system

The Sliding Tile Cutting Saw has been fitted with a Residual Current Device (RCD) safety switch designed to immediately switch the electricity off if a fault is detected to avoid the risk of a potentially fatal shock.

**WARNING.** To be effective, the RCD must ALWAYS be in good working condition. (see 'Testing your safety switch' for further details).

- The RCD device is not designed for outdoor use, INDOOR USE ONLY
- Electricity can be dangerous, the use of an RCD device should not be regarded as a substitute for basic electrical safety precautions
- You must unplug all equipment to achieve isolation before any inspection or repair of that equipment is attempted
- Please seek advice from an electrical contractor or a GMC Technical service person if the RCD device repeatedly trips, or fails to trip in accordance with the instructions provided
- Never immerse your RCD device in water, and do not expose the unit to rain
- Do not connect your RCD device to an extension cord
- You must take proper care of your RCD device, take care not to drop it on hard surfaces as it may crack and/or damage the internal components



## Testing your safety switch

**IMPORTANT.** Ensure the RCD is tested upon every use. It is essential that the safety switch is tested to ensure it is functioning correctly. We strongly recommend that this procedure is conducted without fail before every use.

1. Plug your RCD device into a fixed 230-240Vac ~ 50Hz power wall socket outlet and switch on.

**WARNING.** The RCD device should be connected directly to a mains socket outlet only, never connect your RCD device to an extension cord.

2. To set the RCD into the ON position, press the green "RESET" button. The "RED ON" illuminator will then transform from a clear colour to a red colour.



3. Press the "TEST" button. Doing this will make the RCD device trip immediately, and will remove the flow of power to the connected appliance. It then will change the "RED ON" illuminator to a clear colour, if this occurs it confirms that the RCD device is operational. If the RCD device does not trip as per the explanation above, please contact the GMC help line for assistance.

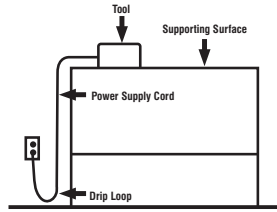


4. Upon tripping, you must reset RCD to the "ON" position. Press the green "RESET" button, the "RED ON" illuminator will transform from a clear colour to a red colour.

**IMPORTANT.** If your RCD device does not operate correctly in accordance with the instructions provided, you must stop using the device and contact the GMC help line.

## Position of tile saw

1. To avoid the possibility of the appliance plug or receptacle getting wet, position tile saw to one side of a wall mounted receptacle to prevent water from dripping onto the receptacle or plug. The user should arrange a “drip loop” in the cord connecting the saw to a receptacle. The “drip loop” is that part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water travelling along the cord and coming in contact with the receptacle.
2. If water is present have an electrician complete any necessary work or repairs. **DO NOT ATTEMPT ANY REPAIRS YOURSELF.**



## Required tools

A philips head screw driver is required to assemble the support arms.

## Unpacking

Due to modern mass production techniques, it is unlikely that your GMC Power Tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

1. Remove all loose parts from the carton.
2. Remove the packing materials from around the saw.
3. Carefully lift the saw from the carton and place it on a level work surface.

## Accessories

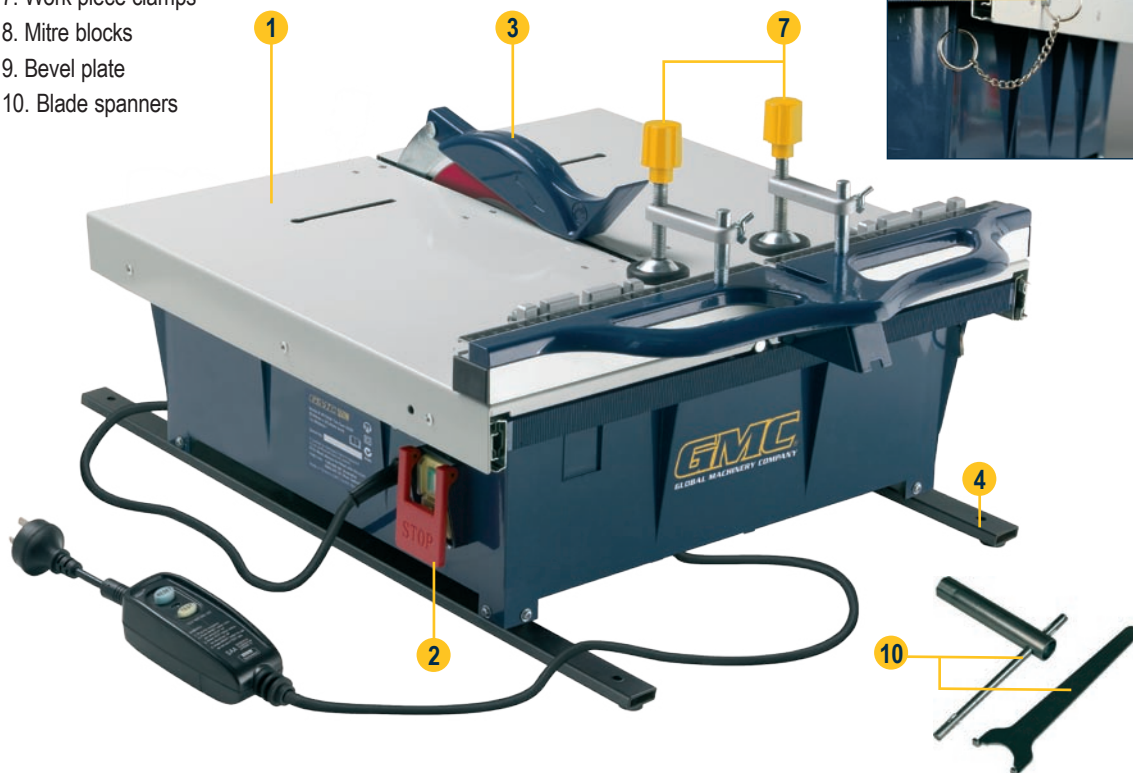
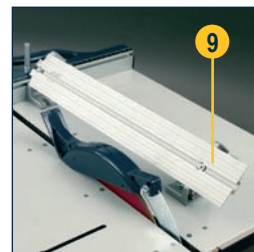
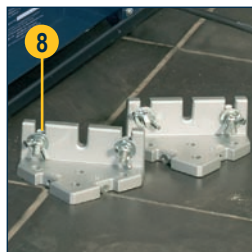
The GMC WTS550 tile cutting saw is supplied with the following accessories as standard:

- 2 x Mitre blocks
- Bevel plate
- Socket spanner x1
- Face spanner x1
- 200mm Diamond Blade (Fitted)
- 2 x Tile clamps
- Support arms and fixing screws
- Instruction manual

## Know your product

Before using the saw, familiarize yourself with all the operating features and safety requirements.

1. Sliding table
2. ON/OFF switch
3. Blade guard
4. Support arms
5. Water tank
6. Transport peg
7. Work piece clamps
8. Mitre blocks
9. Bevel plate
10. Blade spanners





## Transportation information

### IMPORTANT

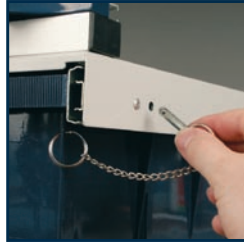
The unit is prepared for transit so before operation.

Turn the unit onto its side.

Whilst in this position fit the extension legs, make sure they are in line with the blade.

Turn the unit back onto its support legs.

Pull out the transit pin and this will allow the table top to slide on its runners.



### Blade guard

The blade guard (3) provides protection from both sides of the blade.

With the power disconnected, ensure that the guard moves freely and drops to the sliding table surface when let go.



### Turning on and off

1. To switch the saw ON press the Green 'I' on the switch. The Red flap can also be raised to gain access to the ON button.
2. To switch the unit OFF press the Red STOP flap.



## Filling the water compartment

1. The water compartment (5) is incorporated into the main housing.
2. The water helps to cool the cutting disc and also limits the amount of dust produced during the cutting process.
3. Fill the water compartment with water. The maximum water level is automatically controlled by the drainage hole in the housing. When the water level exceeds the maximum level water will flow out through the hole.



**Note.** With extensive use, should check water level regularly.

4. Always fill the water compartment to the top of the water fill line to ensure the cutting disc is sufficiently cooled.
5. To empty the tank and clean the unit remove the bung at the bottom of the tank and let the water drain into a suitable container and dispose of.
6. Replace the bung before filling with water.



## Operation

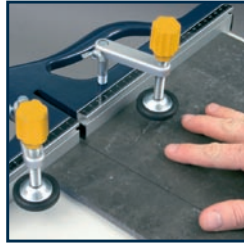
### Making a straight cut

1. Draw back the table so there is sufficient space on the table for the tile.
2. Remove the mitre blocks
3. Line up the cut with the blade using the scale on the table.
4. Clamp the work piece in place using the clamps.

**Note.** Ensure the tile is not touching the blade on start up.

5. Switch ON the unit give it a couple of seconds to reach full speed and then gently push the table forward to the blade until the work piece is cut through.
6. Pull back the table and undo the clamps and remove the cut workpiece.

**Note.** Do not force the tile into the blade too quickly or with excessive force, allow the blade to do the work.



### Making a mitre cut

1. Make sure the unit is switched OFF whilst setting up a mitre cut.
2. Pull back the table so the mitre cut can be lined up with the blade.
3. Secure the mitre blocks to rear face of the sliding table.

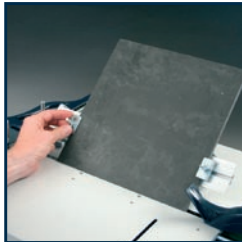


4. Screw down the clamps into the surface of the mitre blocks.
5. Clamp down the work piece onto the sliding table.
6. Switch ON the unit and wait for it to reach full speed.
7. Slowly push the table forward until the cut is complete.
8. Pull back the sliding table and switch OFF the unit to remove the work piece.



## Bevel cutting

1. Secure the mitre blocks into the sliding table and handle bracket.
2. The fixing screws in the middle and nearest slots for ease of assembly and tightening the wing nuts later.
3. Secure bevel plate to the mitre blocks using the counter sunk machine screws.
4. Slide tile clamps into the bevel plate. Clamp the work piece down so it resting on the sliding table surface.
5. Move the plate so in line with the blade and then clamp and tighten the screw holding the mitre blocks.
6. Once set up turn on the unit wait a few seconds until reached full speed then slowly slide the table forward.
7. Once the cut is complete slide the table back and switch OFF the motor and remove work piece.



## Maintenance

**WARNING.** Always ensure that the tool is switched off and the plug is removed from the power point before making and adjustments or maintenance procedures.

When you have finished cutting your tiles, always disconnect the power, empty the water and fully clean and dry the machine.

### Installing a blade

#### DANGER.

- Never try to use a blade larger than the stated capacity of the saw. It will come into contact with the blade guard.
- Never use a blade that is too thick to allow the outer blade washer to engage with the flats on the spindle. It will prevent the blade screw from properly securing the blade on the spindle.

1. Adjustments are only to be made with the power off, the tool disconnected from the mains supply and when the blade has fully stopped.
2. Using a screw driver remove the three screws that hold the metal plate over the water tank.



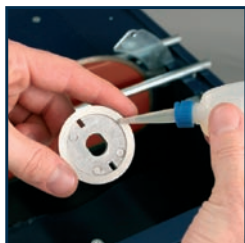
3. Remove the blade cover (3).

4. Take the 2 spanners and use the flat spanner to locate into the holes in the flange and keep the blade still, and use the socket spanner over the nut and turn anti clockwise.



5. Remove the nut, outer blade flange and blade.

6. Wipe a drop of oil onto the inner blade flange and the outer blade flange where they contact the blade.



7. Fit the new blade onto the spindle taking care that the inner blade flange sits behind the blade.

**CAUTION.** Always install the blade with the arrow printed on the side of the blade pointing down. The direction of blade rotation is also marked on the blade guard and blade cover.

8. Replace the outer blade flange followed by the blade nut.
9. Use the blade spanner to securely tighten the blade bolt. (Tighten in a clockwise direction).
10. Replace the blade cover and secure it with the blade cover locking knobs.

**CAUTION.** Before using the saw after replacing the blade, check that all the safety devices are fitted correctly including the blade guard and that they are all in good working order.

Run the saw without loading it to ensure the blade runs true and there are no extraneous noises.

## Cleaning

1. Keep the tool's air vents unclogged and clean at all times.
2. Remove dust and dirt regularly. Cleaning is best done with a soft brush or a rag.
3. Re-lubricate all moving parts at regular intervals.
4. Never use caustic agents to clean plastic parts.

**CAUTION.** Do not use cleaning agents to clean the plastic parts of the saw. A mild detergent on a damp cloth is recommended.

## General inspection

Regularly check that all the fixing screws are tight. They may vibrate loose over time.

## Repairs

Only an authorised service centre should replace the cordset. If the cordset is damaged or worn, have it repaired or replaced by an authorised service centre.

## Power cord and RCD maintenance

**IMPORTANT.** Ensure the RCD is tested upon every use. It is essential that the safety switch is tested to ensure it is functioning correctly. We strongly recommend that a test of the RCD is conducted without fail before each use. Refer to **Testing your safety switch.**

If the power cord or RCD needs replacing, the task must be carried out by the manufacturer, the manufacturer's agent, or a qualified electrical repairer in order to avoid a safety hazard.

## Troubleshooting

Trouble	Problem	Suggested remedy
Saw will not start	Power cord not plugged in	Ensure that the cord is connected to the power supply
	Power fault, fuse or RCD tripped	Check the power supply
	Cord damaged	Use a qualified electrical repairer to repair or replace
	Burned out switch	Use a qualified electrical repairer to repair or replace
	Faulty motor	Use a qualified electrical repairer to repair or replace the motor
Blade does not reach full speed	Extension cord too long or undersized	Use extension cord heavy enough to carry the current
	Tool is overheating	Turn off the tool and let it cool down to room temperature. Inspect and clean the ventilation slots
Poor cutting	Accessory blunted	Replace with new circular saw blade
	No water on blade (tile cutting only)	Ensure water cooling on/off lever is in the "on" position
Vibration or abnormal noise	Loose parts	Check to see that all knobs and levers are securely tightened including bevel adjustment lever, depth locking lever and parallel fence locking knob
	Blade vibrating	Ensure that the blade nut is securely tightened
	Moving parts excessively worn	Use a qualified electrical repairer to repair or replace





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# GMC customer assist

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Attach Your  
Receipt Here

If your product needs repairing, replacing, technical service or you simply need help or advice, please contact us on our Customer Assist Line 1300 880 001 (Australia) or 0800 445 721 (New Zealand).

For prompt service we suggest you log your service request online at [www.gmcservice.com.au](http://www.gmcservice.com.au). Should you not have access to the Internet, please contact our service department on 1300 880 001 (Australia) or 0800 445 721 (New Zealand). 7am – 7pm, 7days a week (AEST).

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**Please note that if repair or replacement is required, you must provide a valid original purchase receipt.**

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You will need the following details at hand to log your service request;

**Personal details:** First & Last name, address, pick up address, contact phone numbers, email address

**Product details:** Product number, date of purchase, retailer bought from, State & postcode, receipt number, reason for the request, copy of official purchase receipt

Attach your purchase receipt and save with this Manual for future reference.

Please refer to our website [www.gmcompany.com](http://www.gmcompany.com) for full GMC warranty Terms and Conditions.

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