

Manual

Tile Cutting Machine

CENTAUR SERIES
MODEL CEN 600



Tile Cutting Machine

For your safety, please read this manual carefully before operation

Operation Note: To achieve the best cutting results please ensure you select the appropriate blade to cut your selected material.

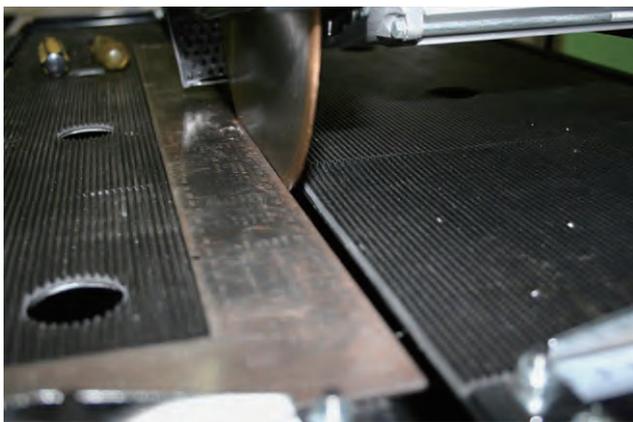
Aligning the guides to the blade.

The tile cutter is aligned before it leaves the factory, but sometimes the guides may move during transit and/or during use and as a result may need to be re-aligned.

To ensure that the machine is correctly aligned at 90 degrees to the blade follow these steps.

- 1) Place a square on the left side of the guide (fig 1)
- 2) Move the blade back and forth to ensure that the blade is maintaining a constant and equal contact against the guide.
- 3) If this is the case then there is no need to make any further adjustment.
- 4) The complete guide system is mounted on a single black metal plate that is adjustable.
- 5) To make adjustments loosen all 4 adjusting screws and both clamping knobs (Fig 2)
This will allow the complete plate to be moved. (Fig 3)
- 6) Move the plate as necessary so that the blade moves back and forth with constant pressure on the square
- 7) Once you have this right. Place the square across both left and right guides and adjust the right guide so that both left and right guides run straight across. (fig 4)
- 8) Tighten up all screws and set clamping knobs in the desired position.

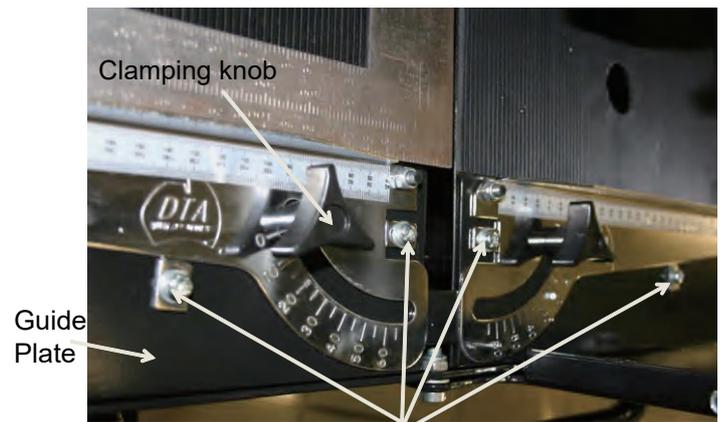
Figure 1



Left Side

Right Side

Figure 2

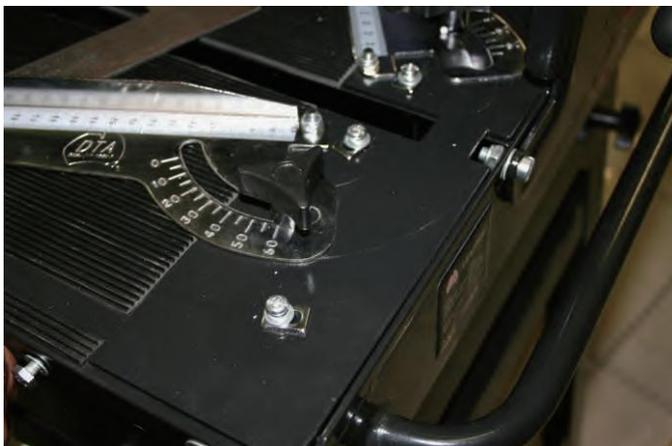


Left

Adjusting screws

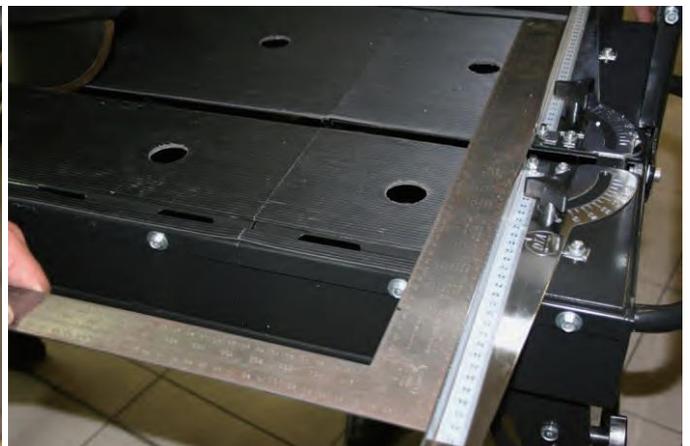
Right

Figure 3



Guide plate

Figure 4



IMPORTANT SAFETY NOTICE

Please read before moving machine on wheels

Do not move the tile cutter while resting on wheels until you have inserted safety locking clamps.

1) After legs are safely in position and tightened with lever clamp



2) Place star clamp(supplied) to the rear of the leg to secure and lock into position.

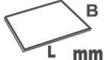
1 x Additional
STAR CLAMPS

BEFORE FIX
THE CLAMP



FIX THE CLAMP



Model								
CEN600	230V~,50Hz 800W,2800rpm	IP54	200x25.4 x2.4mm	L=600mm H=40mm@90° 25mm@45°	695x403mm 90° to 45°	230V~,50HZ 8 W,IPX8	1000x485 x450mm	36/32 kg

Please Read First

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 these instructions before attempting to operate this product and save these instructions.
- If you notice transport damage while unpacking, notify your supplier immediately. Do not operate the saw!
- Dispose of the packing in an environmentally friendly manner. Take to a proper collecting point.
- Keep these instructions for reference on any issues you may be uncertain about.

General safety instructions

1. Keep work area clear
 - ☞ Cluttered areas 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 of 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 when 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.
8. Dress properly
 - ☞ Do not wear loose clothing or jewellery, they can be caught in moving parts.
 - ☞ Non-skid footwear is recommended.
9. Use protective equipment
 - ☞ Use safety glasses.
 - ☞ Use face or dust mask if working operations create dust.
10. 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.
11. Do not overreach
 - ☞ Keep proper footing and balance at all times.
12. Maintain tools with care
 - ☞ Keep cutting tools sharp and clean for better and safer performance.
 - ☞ Follow instructions 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.
13. Disconnect tools
 - ☞ When not in use, before servicing and when changing accessories such as blades, bits and cutters, disconnect tools from the power supply.
14. Remove adjusting keys and wrenches
 - ☞ Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
15. Avoid unintentional starting
 - ☞ Ensure switch is in "off" position when plugging in.
16. Use outdoor extension leads
 - ☞ When the tool is used outdoors, use only extension cords intended for outdoor use and so marked.
17. Stay alert
 - ☞ Watch what you are doing use common sense and do not operate the tool when you are tired.
18. 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 placed 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.

Warning!

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- ☞ The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.
- ☞ Use only saw blades for which the maximum possible speed is not less than the maximum spindle speed of the tool and the tool and the material to be cut.
- ☞ When transporting the machine use only transportation devices and do never use guards for handling or transportation.
- ☞ Do not use saw blades which are damaged or deformed.
- ☞ Wear respiratory protection to reduce the risk of inhalation of harmful dust.

20. 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

UNPACKING



Note:

Make sure all items are accounted for before discarding any packaging material.



Warning!

To avoid injury, if any parts are missing, do not attempt to assemble the machine, do not plug in the power cord, do not turn the switch on until missing parts are obtained and installed correctly.

Installation



Warning!

Do not lift the saw without help.

The saw is too heavy to lift without help, customers should seek assistance from staff to lift this machine.

After unpacking, install all the loosen parts on the main body in according to the explosion drawing on the manual. Make sure all the loosen parts correctly installed.

Turn the folding legs(A) out, and lock it in position with ratchet lever (B).

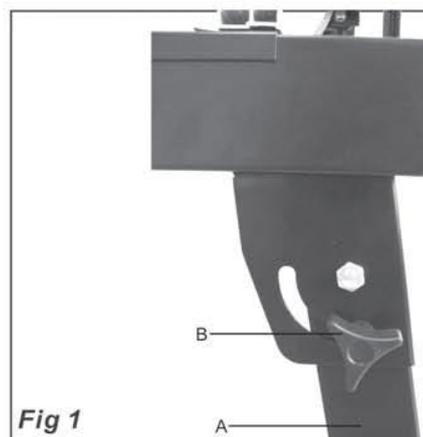


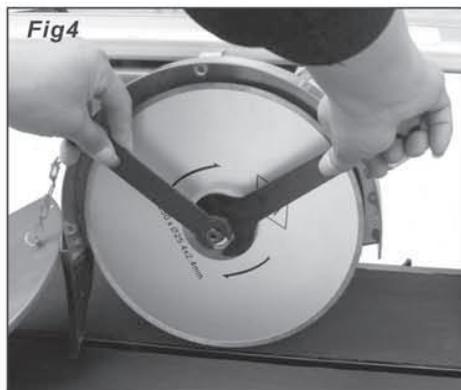
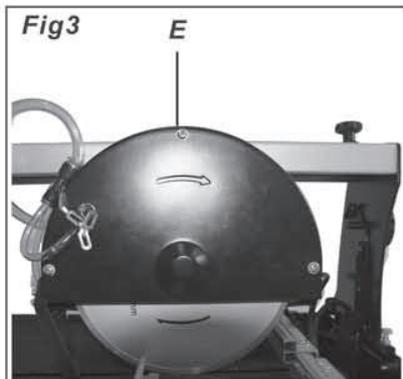
Fig 1

Installing the working handle

Replacing the Saw Blade (Disc)

Warning!

Make sure the switch is off, and your saw is unplugged in power supply. Failure to do so could result in serious personal injury.



Remove 3 wing screws (**E**), and remove the blade guard.

Remove the blade lock nut (**lefthand thread**) with 2 spanners (supplied 30mm & 12mm).

Remove the outer flange and worn blade disc. (carefully)

Place a new blade disc onto the saw arbor shaft, and sure the disc rotation direction must be clockwise.

Place the outer flange and lock nut onto the saw arbor shaft and tighten the blade with 12 & 30mm spanners.

Re-install the blade guards.

Check the space between the blade and blade guards. Keep the blade free from the blade guards. And keep the water tube free from the blade disc.

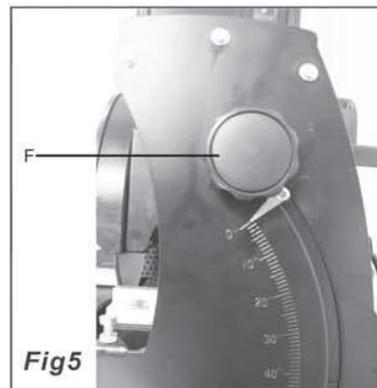
Tighten 3 wing screws on the blade guards, and always have the blade guards installed during operation.

OPERATION

90° Cutting

Fill the tank with water and keep the water pump sunk into water.

Check the angle of saw blade with the work table by a combination square, if the saw blade in not 90° with the work table, loosen the two hex head screws (**F**) on support bracket to adjust.

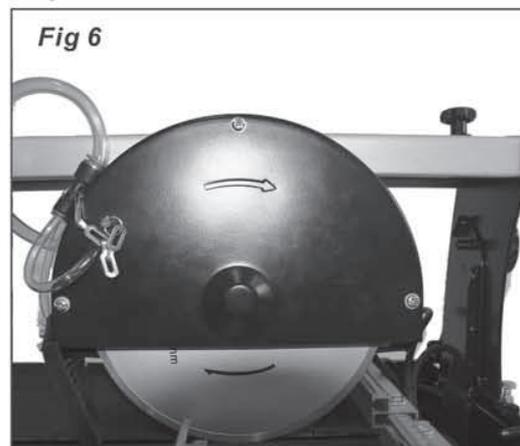


Fix the workpiece on table, the end of workpiece is against the guide bracket.

Plug the power cables for main machine to power supply.

Turn the switch on, check the water supply, if necessary adjust the water-cock on the upper of blade guard. Make sure the water is sprayed on the two sides of saw blade.

Pull the head handle (**G**) backward to workpiece for cutting.



Bevel cutting

The head assembly can be tilted from 0° to 45° for bevel cutting.

Loosen two ratchet levers (**H**) on support brackets, turn the head to desired angle. Then re-tighten two ratchet levers.

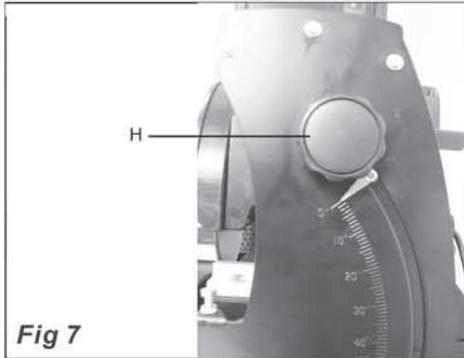
Then perform the cutting as normal cut.

Caution:

Do not force the work piece, otherwise may cause the blade to overheat

When cut a long or thick workpiece, the blade disc must backward to avoid overheat more-times.

When cutting, must keep the workpiece stably and avoid sliding.



Cut groove

Loosen the lock screw (**J**) adjust the star-type screw (**K**), raise the blade over the working table to designed height.

Then lock the lock screw(**J**) . Perform cutting.

Risk of kickback

Do not attempt to stop the saw blade by pushing the work-piece against its side.

Never cut several work-pieces at the same time and also no bundles containing several individual pieces.

Risk of personal injury

If individual pieces are caught by the saw blade uncontrolled.

Turn off the saw, when you finish one time of cutting.

Make sure the saw is turned off and disconnected from power supply, when you leave the saw.

MAINTENANCE

Before switch on

Visual check if distance blade disc blade guard is 1-2mm.

Visual check of power cable and power cable plug for damage.

Daily

Don't drop the water onto the motor and switch.

Make sure the saw is turned off and disconnected from power supply before clean the saw.

Clean table, tank with brush or soft damp cloth.

Dry the water tank with soft damp cloth or foam after dairy operation.

Clean the water pump with sprinkler, don't dismantle the water pump.

Monthly

Apply a light coat of oil to guide element: rotating frame, guide rail, up-down thread rail and swivel elements etc.

TROUBLE SHOOTING GUIDE

Warning!

Before carrying out any fault service or maintenance work always:

Switch machine OFF

Unplug power cable

Wait for saw table to come to standstill.

Motor is slow or weak:

Voltage from source is low

Request a voltage check from local power company

Windings are burned out or open.

Have the Motor checked / repaired.

Power Switch is defective.

Have the Power Switch replaced.

Motor overheats:

Motor is overloaded.

Request a voltage check from the local power company.

Dull saw blade.

Replace the saw blade.

The machine is vibrative when cutting:

The direction of saw blade runing is anticlockwise

Keep the direction of saw blade running clockwise

The handles for adjusting cutting depth or bevel cutting is loosen

Tighten the handles for adjusting cutting depth or bevel cutting

Bore diameter of saw blade is unmatched with the diameter of motor axis.

Replace the saw blade

Track of blade cutting is deflective :

The saw blade is bent, broken, or dirt

Replace or clean the saw blade

PART LIST & DIAGRAM for 600MM Tile Cutter

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
1	Rubber feet A	41	Pointer
2	Rubber feet B	42	Plate
3	Clamp handle	43	Rail Rating Label
4	Water tank	44	Rail Rating Label
5	Hex head screw M6X12	45	Blade lock nut M12-LH
6	Spring washer 6	46	Outer flange
7	Flat washer 6	47	Blade 200MM
8	Hex head screw M6X20	48	Wing nut M6
9	Water pump 6.5W	49	Plate
10	Water plug	50	Water protection plate
11	Pan head screw M5X12	51	Inner flange
12	Spring washer 5	52	Inner guard
13	Flat washer 5	53	Water pump A
14	Outer guard	54	T-cock
15	Hex head screw M6X25	55	Motor 800W
16	Lock knob	56	Switch
17	Hex nut M6	57	Power cable
18	Rotate frame A	58	Screw nut M8
19	Bracket chain	59	Spring washer 8
20	Lock knob	60	Flat washer 8
21	Block A	61	Buffer plug
22	Block B	62	Motor support
23	Star type knob	63	Pan head screw M6X16
24	Miter gauge	64	Holding handle
25	Pan head screw M4X6	65	Rail pointer
26	Spring washer 4	66	Hex head screw M8X12
27	Flat washer 4	67	Circle ring 9
28	Pointer	68	Bearing
29	Knurled knob	69	Hex rod
30	Gauge segment	70	Wire clamp
31	Bolt guide	71	Protective ring
32	Scale A	72	Bracing A
33	Scale B	73	Bracing B
34	Scale Rail A	74	Pan head screw M5X20
35	Scale Rail B	75	Water pump B
36	Basin table B		
37	Basin table A		
38	Working table		
39	Rotate frame B		
40	Pan head screw M4X16		

