LUMBER JACK

SAFETY AND OPERATING MANUAL

Electric Bench Top Tile Cutter

TC305

ORIGINAL INSTRUCTIONS

CONTENTS

Introduction

Congratulations on the purchase of your new device. With it, you have chosen a high-quality product. During production, this equipment has been checked for quality and subjected to a final inspection. The functionality of your equipment is therefore guaranteed fit for use.

This manual contains important information on safety, use and disposal. Before using the product, familiarise yourself with all of the operating and safety instructions. Use the product only as described and for the applications specified. Keep this manual safe and in the event that the product is passed on, hand over all documents to the third party.

Intended use

The Tile Cutting machine is designed for small and medium-sized tiles (glazed, ceramic or similar). Wood and metal must not be cut with it. This machine is intended to be used together with water.
The equipment is designed for use by adults ONLY. The manufacturer shall not be liable for damages caused by use other than for the intended purpose or by incorrect operation.

General safety instructions

- **Keep work area clear.** Cluttered areas and benches invite injuries.
- **Consider work area environment.**
- Do not expose tools to rain. Do not use tools in damp or wet locations. Water entering a power tool will increase the risk of electric shock.
- Keep work area well lit.
- Do not use tools in the presence of flammable liquids or gases. Power tools create sparks which may ignite the dust or fumes.

Guard against electric shock.
Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
Keep away from children.
Do not let children get involved with the tool and keep them away from the work area.
Store idle tools. When not in use, tools should be stored in a dry locked up place, out of reach of children.
Do not force the tool.
It will do the job better and safer at the rate for which it was intended.
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. Use of the power tool for operations different from those intended could result in a hazardous situation.

Use protective equipment.

- Use safety glasses with side shields that meet ANSI Z87.1 standards. Use hearing protection that meets ANSI S3.19 standards.
- Use face or dust mask if working operations create dust.

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.

Secure work.

Where possible use clamps or a vice to hold the work. It is safer than using your hand.

Do not overreach.

Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

Maintain tools with care.

Many accidents are caused by poorly maintained power tools.

- 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.

Disconnect tools.

When not in use, before servicing and when changing accessories disconnect the tool from the power supply. Such preventive safety measures reduce the risk of starting the power tool accidentally.

Avoid unintentional starting.

Ensure switch is in "off" position when plugging in.

Use outdoor extension cord.

When the tool is used outdoors, use only extension cords intended for outdoor use and so marked.

Stay alert, watch what you are doing and use common sense when operating a power tool.

Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

WARNING!

The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.

Further Safety Instructions

• Connect the device only to a power point with a residual current protective device (RCD) with a measured residual current of not more than 30 mA.

• Keep the mains cable and extension cable away from the cutting wheel. In the event that it is damaged or severed, immediately disconnect the plug from the socket.
Do not touch the cable before it has been disconnected from the mains.

• The replacement of the plug or the cable must always be executed by the manufacturer of the electric tool or his/her customer service in order to avoid any hazards.

• Only switch the device on once it is safely fixed to the worktop.

• For your own safety only use accessories and attachments which are listed in the operating instructions or recommended or specified by the tool manufacturer.

• Only use grinding tools recommended by the manufacturer. Ensure that the dimensions match those of the device.

• Only use cutting wheels on the product where the rated maximum rotational speed is less than the maximum speed specified on the rating label or in this manual.

• Carry out a visual inspection of the cutting wheel before use. Do not use any damaged or deformed cutting wheels. Replace any damaged or worn cutting wheels.

• The sparks that may be produced by grinding are dangerous. Adjust protective guard to minimise any danger to yourself and surrounding area.

• Always wear safety goggles, respiratory protection and ear protection when grinding.

• Never put your fingers between the cutting wheel and protective cover or in close proximity to the protective hood.

• The rotating parts of the device cannot be covered due to functional reasons.
Therefore, proceed cautiously and hold the workpiece firmly in order to avoid slipping which could cause your hands to come into contact with the cutting wheel.

• The workpiece gets hot during grinding. Do not touch the machined area, allow it to cool down. There is a risk of burning. Do not use coolants or alike.

Residual risks

Even if properly operating and handling this electric tool, some residual risks will remain. Due to its construction and build, this electric tool may present the following hazards:

a) Lung damage, if suitable respiratory protection is not worn.

b) Hearing damage, if suitable ear protection is not worn.

c) Personal injury may occur due to:

• Touching the area of the grinding tool which was not covered;

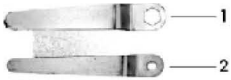
• The ejection of pieces from workpiece or damaged cutting wheels.

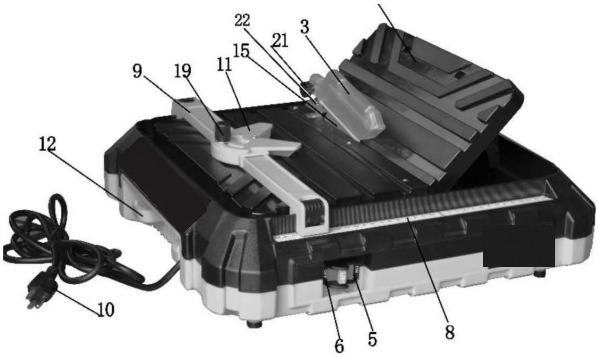
Technical Specifications

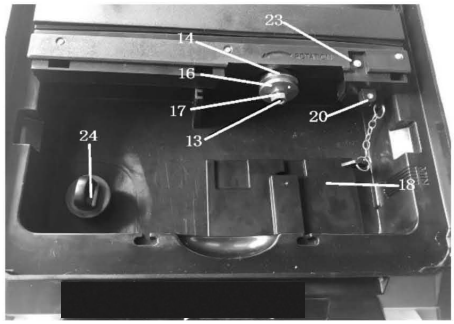
Input Voltage	230 V~, 50 Hz
Power Consumption	500W
Speed	5400RPM
Depth of cut 0°	Max. 25mm
Sound pressure level (LpA)	84.4 dB(A)
Sound power level (LwA) measured	197.40 dB(A)
Cutting wheels outer diameter	115MM
Bore hole	22.23MM
Table Size	330 x 360mm
Weight	Approx. 3.6 kg

Includes

1. Tilting Table Top
2. Blade Guard
3. Blade Disc
4. Mitre Gauge
5. Fence







Summary

1. Wrench for nut
2. Wrench for shaft
3. Protective upper cover of cutting wheel
4. Work table
5/6. Switch
7. Carry handle
8. Measuring scale
9. Parallel stop
10. Mains cable/plug
11. Ruler
12. Power cord holder
13. Shaft
14. Inner flange
15. Cutting wheel
16. Outer Flange
17. Shaft nut
18. Protective bottom cover of cutting wheel
19. Knob on ruler
20. Screw
21. Screw on protect cover of cutting wheel
22. Riving knife
23. Screw
24. Drainplug

Assembly

WARNING!

Caution! Risk of injury! - Ensure that you have sufficient space in which to work, and that you do not endanger other people. - All covers and protective devices must be assembled properly before commissioning. - Disconnect the mains plug before changing the setting on the device

Mounting the cutting wheel

1. Unfold the work table (4).
2. Pull the work table (4) out of the holder.
3. Remove the protective cover of cutting wheel (18) by removing the screw (20).
4. Release the shaft nut (17).
5. Remove the nut (17) and the outer flange (16) from the shaft (13). The inner flange (14) remains on the shaft (13).
6. Place the full-rim diamond cutting wheel (15) on the shaft (13). Please note the direction of rotation. This is marked on the full-rim diamond cutting wheel (15) and on the protective cover (3).
7. Fix the outer flange (16) with the straight side against the full-rim diamond cutting wheel (15).
8. Turn the shaft nut (17) using wrenches (1) and (2) to block the shaft (13). First attach wrench (1) and then wrench (2).
9. Attach the protective cover of cutting wheel (18) in the reverse order.
   Attach the protective cover of cutting wheel (18) in the reverse order.
10. Reinsert the work table (4).

A cutting wheel which has a maximum speed is lower than the nominal speed of the machine must not be used.

Attaching the protective upper cover

1. Remove the screw (23) from the machine.
2. Place the riving knife (22) in line behind the full-rim diamond cutting wheel (15) through the mounting hole.
3. Use the screw (23) to tight the riving knife (22) to the machine
4. Align the riving knife (22) with the full-rim diamond cutting wheel (15).
5. Put the protective cover (3) on to the riving knife (22).
6. Use the screw (21) to tight the protective cover (3) and riving knife (22).

Reminder! The protective cover (3) cannot be rigidly fixed in place. It simply lies on top of the work table (4).

Mounting the parallel stop

1. Insert the parallel stop (9) onto the machine, and keep it in the position which is parallel to the cutting wheel
2. Pull the guide clamp in both side of the parallel stop (9) in order to be able to insert the parallel stop on the table.
3. Lock the parallel stop (9) firmly in place with the two guide clamps.

Setting up

- The device must only be used on a flat and stable surface.
- The carrying handle is used exclusively for transporting the device. The device can be moved from place to place but must not be carried during operation.
- The device is intended to be used with water.

Operation

WARNING!

Caution! Risk of injury!

- Always disconnect the plug from the main socket before working.
- Only use cutting wheel and accessories recommended by the manufacturer. Using other attachment tools and other accessories can represent a risk of injury for you.
- Never operate the device without protective equipment.

WARNING!

- **Keep your hands away from the cutting wheel when the device is in operation.**
- **Injury hazard! Never operate the device without water.**
- **The workpiece must not be too small. Otherwise, your fingers and hands will be placed in extreme danger due to the close proximity of the cutting wheel.**
- **The workpiece must not be too large either. It must be ensured that it is securely supported on the work surface.**

Switching on and off

Connect the equipment to the mains.

1. To switch on, press the switch in "ON" side (5)
2. To switch off, press the switch in "OFF" side (6)

After switching on the device, wait until the device has reached its max. speed. Only then may you start with cutting.

The cutting wheel will continue to run after the equipment is switched off. There is a risk of injury.

Test run:

Before starting work and after each change of cutting wheel, carry out a test run of at least 60 seconds with no load. Switch off the equipment immediately if the cutting wheel runs lumpy, substantial vibrations occur, or abnormal noises are generated.

- Inspect tool cords periodically, and if damaged, have repaired by an authorised service facility.
- The conductor with insulation having an outer surface that is green with or without yellowstripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the green (or green and yellow) wire to a live terminal.
- DO NOT USE AN ADAPTER with this product.
- Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) to be used for the tile saw. Outlet are available having built-in GFCI protection and maybe used for this measure of safety.

EXTENSION CORDS

Make sure the extension cord is in good condition. When using an extension cord, make sure to use one heavy enough to carry the current of the machine. An undersized cord will cause a drop in the voltage, resulting in loss of power and overheating. Use the table to determine the minimum wire size (A.W.G.) extension cord.

Extension Cord Length

Wire Size ----------18 A.W.G.
Up to 25ft
NOTE: Using extension cords over 25ft. long is not recommended.
Use only extension cords that are intended for outdoor use. These extension cords are identified by a marking "Acceptable for use with outdoor appliances; store indoors while not in use". Use only extension cords having an electrical rating not less than the rating of the product. Do not use damaged extension cords. Examine extension cord before using and replace if damaged. Do not abuse extension cords and do not yank on any cord to disconnect. Keep cord away from heat and sharp edges. Always disconnect the extension cord from the receptacle before disconnecting the product from the extension cord.

Performing a parallel cut

1. Adjust the parallel stop (9) to the desired distance from the full-rim diamond cutting wheel (15).
2. The desired width can be read off on the measuring scale (8).
3. Fix the parallel stop (9) firmly in place with the two guide clamps.
4. Place the workpiece on the work surface and against the parallel stop (9).
5. Turn the device on.
6. Push the workpiece evenly and not too fast across the work surface through the diamond cutting wheel (15).
7. Always ensure that there is a sufficient distance between your fingers, hands and the diamond cutting wheel (15).

Performing an angle cut

1. Put the ruler (11) on to the parallel stop (9).
2. Adjust the desired working angle on the ruler (11).
3. The ruler angle can be read off on the scale.
4. Fix the ruler (11) in place with the knob (19).
5. Ensure that the parallel stop (9) is fixed in place, as required.
6. Place the workpiece on the work surface and against the ruler (11).
7. Turn the device on.
8. Push the workpiece evenly and not too fast across the work surface through the full-rim diamond cutting wheel (15).
9. Always ensure that there is a sufficient distance between your fingers, hands and the diamond cutting wheel (15).

Performing a mitre cut

1. Place the work table (4) in position.
2. Fix the work table (4) firmly in place with the two set-up aids.
3. The work table (4) can be fixed in place at 22.5° and 45°.
4. Place the workpiece on the work table (4).
5. Turn the device on.
6. Push the workpiece evenly and not too fast across the folding work surface through the diamond cutting wheel (15).
7. Always ensure that is a sufficient distance between your fingers and hands and the diamond cutting wheel (15).

Cleaning & Maintenance

WARNING!

Disconnect the plug before adjustment, maintenance or repair.

Have any work not described in these instructions carried out by a specialist workshop. Use only original components. Allow the equipment to cool before carrying out any maintenance and cleaning work. There is a risk of burns.

Before each use, check the equipment for obvious defects such as loose, worn or damaged components and check that screws or other parts are sitting correctly. In particular, check the cutting wheel; Replace damaged parts.

Cleaning

Do not use cleaning agents or solvents. Chemical substances may attack plastic parts of the equipment. Never clean the equipment under running water.

- Clean the equipment thoroughly after each use.
- Clean the surface of the equipment with a brush or cloth.

Storage

- Store the appliance in a dry place well out of reach of children.
- Cutting wheels must be stored dry and upright and are not to be stacked.

Waste Disposal and Environmental Protection

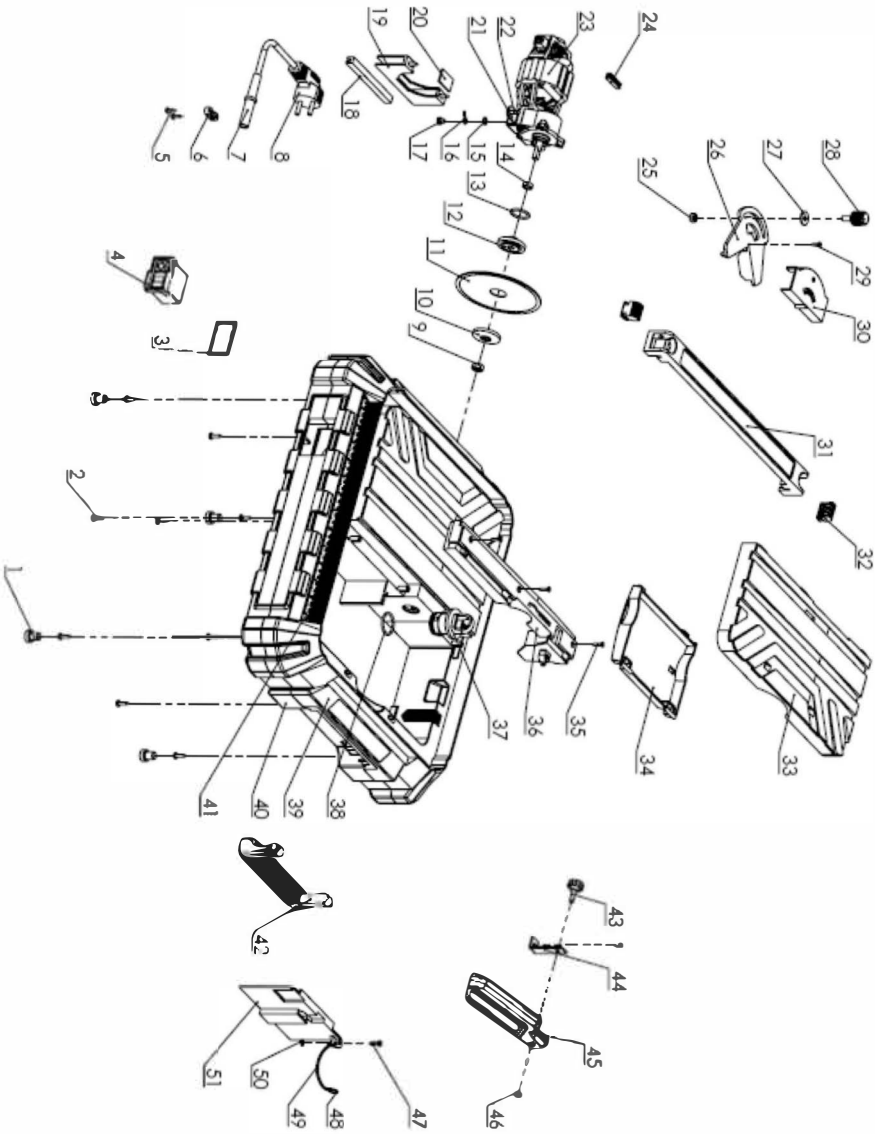
Be environmentally friendly. Return the tool, accessories and packaging to a recycling centre when you have finished with them.

Machines are not to be placed with domestic waste. The plastic and metal parts employed can be separated out into pure materials and recycling can be implemented. Ask your Service Center about this.
Defective units returned to us will be disposed of for free.

Trouble Shooting

Problem	Possible cause	Solution
1. Product does not start	1.1 Not connected to power supply 1.2 Power cord or plug is defective 1.3 Other electrical defect to the product	1.1. Connect to power supply 1.2. Check by a specialist electrician. 1.3. Check by a specialist electrician
2. Product does not reach full power	2.1 Extension cord not suitable for operation with this product 2.2 Power source (e.g. generator) has too low voltage 2.3 Air vents are blocked	2.1. Use a proper extension cord 2.2. Connect to another power source 2.3. Clean the air vents
3. Unsatisfactory result	3.1 Accessory not suitable for work piece material 3.2 Riving knife not aligned with cutting wheels.	3.1 Use proper accessory 3.2 Check by a specialist electrician.

Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.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No	Name	Qty	No	Name	Qty.
1	Rubber Feet	4	27	Flat washer Φ6*18	1
2	Self-tapping screws ST3.5*16	9	28	Knob M6*17	1
3	Rubber mat of switch	1	29	Self-tapping screw ST2.9*13	1
4	Switch	1	30	Ruler seat	1
5	Self-tapping screws ST2.9*12	4	31	Fence	1
6	Small bridge support	1	32	Guide clamp of parallel stop	2
7	Outlet hose	1	33	Work table	1
8	Power cord and plug	1	34	Supporter for work table	1
9	Nut M8	1	35	Countersunk head screw ST2.9*16	3
10	Outer Flange	1	36	Movable table	1
11	Cutting wheel	1	37	Drainplug	1
12	Inner flange	1	38	O style ring 25*2.65	1
13	O style ring 21.2*2.65	1	39	Upper frame body	1
14	Cushion cover of inner flange	1	40	Bottom frame body	1
15	Out-teeth washer Φ5	1	41	Measuring scale	1
16	Grounding piece Φ5	1	42	Handle	1
17	Cross two combined screw spring washer	1	43	Screw of upper cutting wheel protect cover	1
18	Longer block	1	44	Riving Knife	1
19	Plate of stator	1	45	Protect upper cover of cutting wheel cover	1
20	Cushion sheet	1	46	Nut M5	1
21	Fixed plate of motor	1	47	Screw M4*12	1
22	Two combined self-tapping screw ST4.2*16	4	48	Ring Φ10	1
23	Motor	1	49	Chain	1
24	Drainplug	1	50	Stop piece	1
25	Nut M6	1	51	Protect bottom cover of cutting wheel cover	1
26	Ruler	1			

DECLARATION OF CONFORMITY

The Importer:

TOOLSAVE LTD
Unit C, Manders Ind. Est.,
Old Heath Road, Wolverhampton,
WV1 2RP.

Declare that the product:

Designation: Electric Bench Top Tile Cutter
Model: TC305

Complies with the following Directives:

Electromagnetic Compatibility Directive - **2014/30/EU**
Machine Directive - **2006/42/EC**
Restrictions of the use of Hazardous Substances in Electrical Equipment - **2011-65/EU** Waste Electrical and Electronic Equipment - **2012/19/EU**

Standards & technical specifications referred to:

EN 62841-1: 2015/A11:2022
EN 12418: 2021
EN IEC 55014-1: 2021
EN IEC 55014-2: 2021
EN IEC 61000-3-2:2019/A1: 2021
EN 61000-3-3:2013/A2: 2021

Authorized Technical File Holder: Bill Evans

24/05/2024 The Director