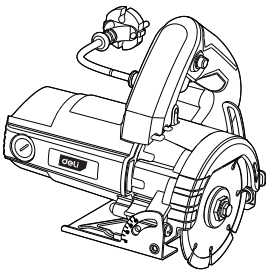


User Instruction Manual

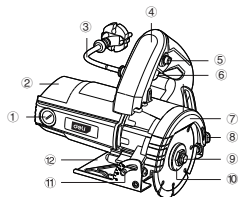
Marble Cutter DL-YS110-E1



Contents

1 Stone Cutting Machine Diagram	1
2 General Safety Warnings for Electric Tool	2
3 General Safety Rules for Stone Cutting Machine	4
4 Operation Description	7
5 Maintenance	10
6 Accessory Description	10
7 General Failures & Troubleshooting Methods	11

1 Stone Cutting Machine Diagram



This diagram is for reference only
Machine appearances vary as per different models, and actual product shall prevail!

Serial No.	Name	Serial No.	Name
①	Carbon brush cover	⑦	Shield
②	Machine housing	⑧	Depth lock button
③	Power cords	⑨	M8 left-handed screw
④	Handle	⑩	Outer flange pressing plate
⑤	Self-locking switch button	⑪	Angle lock bolt
⑥	Switch	⑫	Bottom plate

1

If damaged, electric tool must be repaired before use. Many accidents are caused by poorly maintained electric tools.

- Keep cutting tools sharp and clean. Properly maintained cutters with sharp cutting edges are not easily jammed and easy to control.
- Use electric tool, accessories and working cutterheads in accordance with the instruction manual and special type of electric tool that you intend to use, while considering operation conditions and operations performed. Electric tool used for operations at variance with the requirements may lead to dangerous situations.
- Keep the handle and grip surface dry, clean and free of grease. Under unexpected circumstances, wet and slippery handle cannot guarantee grip safety and tool control.

Repair

Electric tool is repaired by professional repair personnel using the same spare parts, which will ensure safety of electric tool repaired.

Wear earmuffs. Exposure to noise will cause hearing impairment.

Use auxiliary handle provided with the tool. Missing operation will cause personal injury.

When operating in the place where cutting accessories may touch concealed wires or their flexible wires, grip the tool through the insulated grip surface. If cutting accessories touch the live lead, the exposed metal parts of tool are live, and thus the operator will suffer electric shock.

3 General Safety Rules for Stone Cutting Machine

- Do not use grinding wheel.
- Do not use diamond saw blade at variance with the manufacturer's regulations.
- Do not use broken, deformed or cracked cutting blade.
- Do not run with the fixing shield dismantled.
- Do not start cutting machine when cutting blade touches the workpiece.
- After cutting machine is powered off, neither put it down before cutting blade stops running completely, nor force the diamond saw blade to stop running with any external force.

4

- Before replacing cutting blade, adjusting cutting depth or water pipe, or repairing cutting machine, unplug from the power, and the diamond saw blade stays in a static state.
- In terms of cutting machine with residual current operated protective device, check action reliability of the RCD before operation.
- When operating in the place where diamond saw blade may cut concealed wires or own wires, grip electric tool only through the insulated grip surface. If diamond saw blade touches the live lead, the exposed metal parts of electric tool are live, and the operator will suffer electric shock.
- Take extra care when performing "blind cut" into walls or other blind spots. Diamond saw blade may cut gas or water pipes, wires or objects rebounded therefrom, and inspect through observation.
- Please use the dedicated pressing plate for this tool.
- Please take care not to damage the output shaft. Pressing plate (especially mounting surface) or bolt. Damage to these parts will cause damage of cutting blade.
- Firmly hold the tool when operating.
- Do not touch rotating part with hands.
- Please wait until the cutting blade reaches maximum speed before cutting.
- If any abnormal phenomenon is found, please stop operation immediately.
- Never clamp tool cutting blade up in a vise to perform cutting, which will lead to a serious accident because it is very dangerous.
- This tool is for dry operation only, and water droplets are forbidden to enter the motor.
- Wear safety goggles when cutting.

Additional Safety Instructions for Stone Cutting Machine

- Always keep hands away from sawing area and diamond saw blade. If the cutting machine is held with both hands, you will not get hurt by saw blade.
- Do not touch the underside of workpiece. The shield cannot protect saw blade under the workpiece.
- Always use a diamond saw blade of which the size and axis shape (rhombus or round) are matched properly. If diamond saw blade does not conform to clamping parts of cutting machine, it will cause eccentric running and thereby resulting in losing control.
- Do not use damaged and out-of-size washers and bolts. Using damaged or cut-of-size washers and bolts will cause losing control of operation.

5

2 General Safety Warnings for Electric Tool

Warning

Read all warnings and instructions. Failure to obey the following warnings and instructions will cause electric shock, fire and/or serious injury. Save all warnings and instruction manual for future reference.

In all following warnings, the term "electric tool" refers to power-driven (wired) electric tool or battery-driven (wireless) electric tool.

Workplace safety

- Keep workplace clean and bright. Chaotic and dark venues will lead to accidents.
- Do not operate electric tool in an explosive environment, such as an environment with flammable liquid, gas or dust. Sparks from electric tool will ignite dust or gas.
- When operating electric tool, keep away from children and bystanders. Inattention will cause the operator to lose control of the tool.

Electrical safety

- Electric tool plug must match the socket. Never modify the plug in any manner. Do not use any adapter plug for the electric tool in need of grounding. Unmodified plug and matched socket will reduce electric shock danger.
- Avoid human touch with grounded surface such as pipes, cooling fins and refrigerators. If your body is grounded, it will increase electric shock danger.
- Do not expose electric tool to rain or humid environment. Water entering electric tool will increase electric shock danger.
- Do not abuse wires. Never use wires to move, pull or unplug electric tool. Keep wires away from heat sources, oils, sharp edges or moving parts. Damaged or entangled wires will increase electric shock danger.
- When using electric tool outdoors, use extension cords suitable for outdoors, and the wires suitable for outdoors will reduce electric shock danger.
- If it is unavoidable to operate electric tool in a humid environment, use the power supply with residual current device (RCD) protection. RCD can be used to reduce electric shock danger.

Personal safety

- Keep alert. When operating electric tool, focus on the operation and keep sober.

2

- Do not operate electric tool, when you feel tired or have drug, alcohol or treatment reaction. Momentary negligence when operating electric tool will cause serious personal injury.
- Use personal protective device. Always wear goggles and safety device. For example, the use of dust masks, non-slip safety shoes, helmets, hearing protection and other devices under appropriate conditions can reduce personal injury.
 - Prevent accidental start. Ensure the switch in off position before connecting power supply and/or battery box, picking up or moving the tool. Putting fingers on the connected power switch or inserting plug when the switch is connected may cause danger.
 - Before electric tool is connected, take off all adjustment keys or wrenches. The wrenches or keys left on rotating parts of electric tool will cause personal injury.
 - Do not stretch hands too long. Always mind footing and body balance, so as to control electric tool in this way under unexpected circumstances.
 - Dress properly, rather than wear loose clothes or accessories. Keep clothes, gloves and hair away from moving parts. Loose clothes, accessories and long hair may get caught in moving parts.
 - If a device for connecting with chip removal and dust collection equipment is provided, make sure they are connected well and used properly. The use of these devices may reduce the danger caused by dusts and chips.
 - Do not treat lightly due to familiarity arising from frequent use of tools, or ignore tool safety guidelines. A careless action may cause serious injury in an instant.

Electric tool use and precautions

- Do not force the use of electric tool, but use an appropriate one according to applications. Choosing a properly designed electric tool will make your work more effective and safer.
- If power supply of the tool cannot be connected or turned off by the switch, this electric tool cannot be used. Electric tool that cannot be controlled by the switch is dangerous and must be repaired.
- Before making any adjustment, replacing accessories or storing electric tool, unplug from the power and/or dismount battery pack (if detachable). Such protective measures will reduce the danger of accidental activation of the tool.
- Store unused electric tool out of the reach of children, and do not allow those who are unfamiliar with it and do not understand these instructions to operate it. Electric tool is dangerous in the hands of untrained users.
- Maintain electric tool and its accessories. Check whether moving parts are adjusted in place or jammed, damage of parts and other conditions affecting running of electric tool. In case of damage, repair before using electric tool. Many accidents are caused by poorly maintained electric tools.

3

Other warnings

- Please wear goggles. For the sake of your personal safety, please wear goggles and earmuffs when using the tool, and noise will cause impairment of your hearing.
- If you find any problem of this product, please repair it in our repair department.

Performance parameters

Cargo No.	DL-YS110-E1
Voltage	220V~240V~
Frequency	50Hz/60Hz
Power	1250W
Maximum cutting depth	33mm
Net weight	3.0kg
Cutting blade size	φ110mm
Rated speed	13500/min
Insulation level	Class II

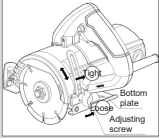
6

4 Operation Description

Adjust saw depth

Please loosen the bolt for adjusting saw depth, and then move the base to adjust saw depth.

After adjusting saw depth, please tighten the adjusting screw.



Note:

If saw depth adjusting bolt is loose, saw depth will change, and therefore saw depth adjusting bolt must be tightened.

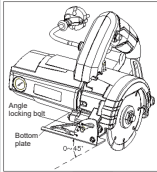
When cutting more than 20mm of concrete and the like, operate in two steps. Otherwise, not only the motor will be overloaded to cause damage, but work efficiency will also reduce significantly.

Adjust saw angle

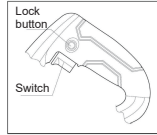
Please use a wrench to loosen fastening bolt counterclockwise, and then adjust base plate to the desired angle.

After adjusting saw angle, please tighten the bolt clockwise.

Note:
Before plugging in power, first check whether switch operation of the tool is flexible, pull the trigger and then release it to see whether trigger switch can bounce back to the original position (off).



7



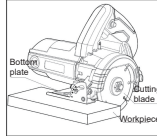
Switch operation

To start this tool, just pull the trigger. As soon as the trigger is released, the tool will power off.
To enable continuous rotation, simply press the lock button after pulling the trigger. Pull the trigger again, and then release to eliminate continuous rotation.

Alignment

Please align diamond cutting blade with the cutting line on the workpiece.

Operation



When starting the cutting machine, firmly hold the tool, and put its base plate on the workpiece to be cut without any contact of cutting blade. Then start the tool, and wait for it to attain maximum speed. At this time, move the tool forward along the workpiece surface, keep it horizontal and advance slowly and evenly until the cut is completed.

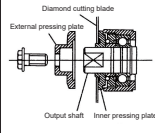
Note:

This tool can only be used on a horizontal surface, and move forward slowly in a straight line. Excessive pressure or bending cut will cause the cutting blade clamped and bent, resulting in overloaded heating motor and rebounded tool with danger.

Install or dismount diamond cutting blade.

Note:
Make sure to turn off tool switch and unplug the power before installing or dismounting the cutting blade.

As illustrated in the figure, central recess part of outer and inner pressing plates shall be close to one side of diamond cutting blade.

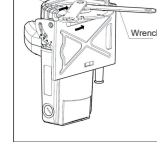


8

Install diamond cutting blade

Completely clean dusts on axis and washers.

Install cutting plate as illustrated in the figure, fix outer pressing plate with a wrench, and tighten the left-handed bolt counterclockwise with another wrench at the same time.



When installing cutting blade, ensure the direction of arrow on cutting blade surface consistent with that on the cover. Make sure to tighten hexagon bolt securely. Dismount diamond cutting blade.

Use the included wrench to dismount bolt.
Fix outer pressing plate with a wrench, loosen the hexagon bolt clockwise with another wrench at the same time, and then dismount hexagon bolt, outer pressing

plate and cutting blade.

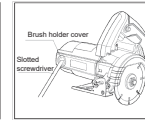
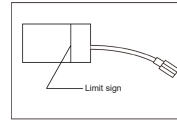
Note: When installing or dismounting cutting blade, use only the original wrench.

Maintenance

Note: Before checking and maintenance work, make sure to turn off the switch and unplug the power.

Replace carbon brushes

Regularly replace and check carbon brushes. When they wear out to the limit, replacement is required. Keep carbon brushes clean and enable them to slide freely in brush holder. Both carbon brushes shall be replaced concurrently. Remove brush holder cover with a screwdriver. Take out worn carbon brushes, insert new ones, and then tighten the brush holder cover.



9

9

5 Maintenance

Note: Before checking or maintaining the tool, please make sure to turn off the tool power switch and unplug.

- Avoid the tool affected by vibration, impact or grease.
- Check the mounted screws. Frequently check whether the mounted screws are securely fastened. Loose screws will easily cause serious accidents.
- Check cables on a regular basis. If a damage is found, immediately entrust the Repair Center authorized by Dell to handle it. The power cord shall at least meet requirements in the standard 60227 IEC53 [RVV].
- Keep the ventilation slot clean and smooth. Clean the vent regularly or clean when it starts being blocked.
- Replace carbon brush. Check and replace carbon brush through the Repair Center authorized by Dell, to ensure long-term safe use of the tool.
- The repair must be conducted by Dell's authorized Repair Center. Only use Dell accessories and parts. For the parts unstated in this instruction manual, please replace them in the Repair Center authorized by Dell!
- Cleaning: Avoid wiping plastic parts with solvents that cause plastic cracking and damage. It is suggested to use a soft cloth slightly moistened with soapy water.

6 Accessory Description

Included accessories: 2 wrenches

Optional accessories

Note:

- These accessories or devices are dedicated to Dell's electric tool specified in this instruction manual. The use of accessories or devices from other brands may cause personal injury.
- Use accessories or devices only for the specified purpose.
- If you need help to learn more about these accessories, please consult your local Dell Tool Repair Center.

10

7 General Failures & Troubleshooting Methods

Failures	Causes	Troubleshooting Methods
The motor does not run after power is connected	1. Power cut 2. Loose joint 3. Poor contact or inaction of switch 4. No contact of electric brush and commutator surface	1. Repair power 2. Check all joints 3. Repair or replace switch 4. Replace carbon brush
With strange sound after power is connected, do not rotate or rotate very slowly	1. Switch contact burned out 2. Mechanical part stuck	1. Repair or replace switch 2. Check mechanical part
Ring fire or large spark arises from the commutator	1. Armature short circuit 2. Poor contact of electric brush and commutator 3. Unsmooth and unclean commutator surface	1. Repair or replace armature 2. Replace carbon brush 3. Remove debris and make commutator surface smooth and clean
Slow rotation with abnormal noise during work	1. Grinding disc damage 2. Abnormal bearing	1. Replace grinding disc 2. Replace bearing

Remarks: Non-professionals shall not disassemble the machine for repair, to avoid machine failure caused by improper repair

11
11

Product Warranty Card

Dear users :

Thank you for buying our products. In order to ensure your profit, users who buy our products can contact local distributor or Specified repair stations with invoice and warranty cards if the product failures due to quality problems.

Warranty Notice:

From _____ (Year/Month/Day) to _____ (Year/Month/Day).

If the failure happen in normal use, our company will provide free warranty, parts replacement and other services according to the failure situation.

2. This warranty card and purchase invoice are the voucher of after-sales service provided by our company to customers. The card must be detailed only after filing in the following form and affixing the official seal with the distributor.

3. In one of the following cases, free warranty service will be invalid, and maintenance fees will be required:

- Exceed the expiration date;
- Failure or damage caused by not following the requirements of the product manual, maintenance or improper storage;
- Failure or damage caused by disassembling, repairing or modification of the product without the permission of our company;
- Machine breakdown or damage caused by force majeure;
- Consumable accessories.

This card is issued with the product. One card for one machine, to ensure that you can fully enjoy the right to free warranty service provided by the company, please keep this card properly, lost will not be replaced.

Purchase Date: _____ (Year/Month/Day)

Product Certificate

Inspector:

01

Date of manufacture:

Reserved for future use

Version: 1.0

Date: May, 2022

NINGBO DEU TOOLS CO., LTD.
No. 128 Cheshan West Road, Huangting
Town, Ninghai County, Ningbo, Zhejiang, China
deutoolsglobal@rnbdt.com
www.deutoolsglobal.com
+86 574 87060669 MADE IN CHINA

