



Wall Cutter User' s Manual



OPERATOR' S MANUAL

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Note!

1. Read carefully and understand the safe effectual method of application in the specifications before using the concrete cutter.
2. The operator must receive and pass the technical training before going on duty.

※The company reserves the rights of making changes to the specifications of machine parts and fittings without advance notice.

Chapter1. Safe Operational Manual

1. Operate the machine correctly

Never use the machine following unapproved or unspecified operation in the instructions

2. Safe operation order

Correctly use the machine following the instructions in the operational manual. Children and others unfamiliar with operation methods are not allowed to use the machine. (All the receive and pass the technical training before going on duty.)

3. Safe Operation

Moisture may result in electric shock. Do not use your machine in rain, moist environment and the like. Neither let oil or alcohol come into the machine. Excessive moisture may result in electric shock or disconnection to the power of the motor.

4. Prevent the danger of getting an electric shock

The operator must wear rubber gloves, insulating gloves and work clothes. Make sure whether there is danger in the cutting position and pay attention to the safety of the people and things below. In addition, make sure that whether the power supply is equipped with creepage prevention device. You can buy it by yourself. The machine must have ground wire connected to the ground unless the machine has double insulator set.

5. Prevent the burning or explosion of the motor

The motor may burn when the motor is on or off or there are sparks in operation. Do not operate the machine in flammable environment, which is very dangerous.

6. Keep good and tidy working enviroment

Operation in dark and chaotic environment may cause accident. Thereby,

you must keep a luminous workplace and tidy environment.

7. The onlookers must keep apart

The onlookers, especially children, must keep safe distance from the working environment.

8. Please use fittings and tool string from the original manufacturer as required.

Use proper tools or fittings. It is dangerous using other tools without permission.

9. Install proper parts in the proper position

Make sure that the cutting device and fittings are installed in the correct position. It is incorrect to use the machine equipped with no fittings or to fix the fittings too tightly or loosely by using unspecified tools. Do not disassemble any screws or covers at will for the safety of the machine.

10. Check every part carefully before use

Do not forget to take away the wrench and screw driver for they will be forcefully flicked away when the machine starts. It is very dangerous.

Keep a good habit to make sure that all the installation kits are removed away when the machine starts.

11. Keep the intake motor smooth

The intake is indispensable for cooling of the motor. It is incorrect and unallowed to cover the intake to protect it from dust. In addition, do not insert metallic needles and the like. It may result in electric shock.

12. Wear safety goggles to protect eyes

Wear safety goggles in operation.

13. Keep the balance of the controlling machine balance

Unstable and unbalancing operation is dangerous. The operator must have stable steps and good equilibrium sense at any moment.

14. Use rated power supply

Use the machine according to the rated power supply. If the current the machine uses exceeds the rated voltage, it will cut down the efficiency.

And abnormal accelerated motion will finally break the machine. (The electrical current should be controlled at 6A, not exceeding 10A)

15. Do not use your machine with excessive force

Do not use your machine or fitting for the purpose of not their functions.

Excessive force will not only damage the rigidity of the cutting objects and the number of the reinforcing steel bars.

16. After the machine plugs in

After the machine plugs in, do not put your fingers on the switch, in case of danger.

17. When the machine is running

When the machine is running, do not put your hand beside the saw web.

18. Stop operating when finding the machine is wrong

Stop operating and inform the maintenance man when finding the machine is wrong.

19. Do not plug in when not using the machine

The appliance must be unplugged after use or before changing the cutlery and fittings or at power cut. Keep a right habit to make sure that the machine is off before plugging in.

20. Do not use the electrical wire incorrectly

Do not pull the wire of the machine like a knob or pull out the wire from the interface fiercely, which will cause power cut or short circuit. Keep the wire away from the cutlery or dangerous place such as hot gas and so on. If wires are broke, stop operation and inform the electrician to change or repair it.

21. Keep the machine properly

Please do not knock the machine, or else it will damage the machine or reduce its working efficiency.

22. The use of the cutlery

Keep the cutlery edge clean, sharp and trim.

23. Maintain the machine carefully

Keep the machine tidy, especially the motor away from dust. Keep the electrical wires from oil to prevent it from injured.

24. Check the machine regularly

Check the machine regularly for safety

25. Check and maintain the machine in the service centers authorized by the company

If the machine needs maintenance, please contact our agents or service centers. Change the parts into those made from the original manufacturer.

26. Keep the machine carefully

Put the machine in dry and safe place when it is not in use. Put it in the place out of the reach of children. Avoid moist or rainy place.

Chapter2. Key Points to Use the Cutter

1.The use of power supply

Make sure that whether the power supply is equipped with creepage prevention device.If not,you can buy it by yourself.Please wear rubber shoes and rubber gloves before operation for sake of safety.

2.Protect the inside of the motor from water

If water comes into the inside of the motor,it will arouse electric shock or burn the motor.

3.Cool the cutter in the inlet valve

Because superheated saw web' s longevity will be short,pay attention to supply water to the inlet valve in the cutting procedure.In addition,please note that do not use recycled water,or else it will affect the smoothness of the runnir water,causing damage to the water seal and so on.

4.Fix the machine safely

Fix the machine safely.Improper way of installation will not only prevent normal operation,but be dangerous.

5.Use diamond saw web

The cutter is designed for using diamond saw web.Do not replace the diamond saw web with other cutting devices.

6.The machine is attached with adjustable clutch

If you clamp down overly in operation or the saw web is stuck by the reinforcing steel bar suddenly,the clutch will start to protect the saw web from being damaged.If the clutch skids,it does not mean the machine is damaged.Just withdraw the reamer and tighten the clutch and then start the clutch again.

7.Let the saw web run fully before cutting

Turn on the switch,waiting the saw web run fully and then start cutting.

8.Do not touch the running saw web with your hands

Note that never touch the running saw web with your hands,which is dangerous and will lead to serious results.

9.Aloft operation

If the machine is in aloft operation,please notice to fix it in balanced and steady place.

10.The cutter makes transverse cutting

Because the machine must use the cooling water in operation,the man

motor is on top when the cutter makes transverse cutting.Contrarily,if the saw web is on top,water will come into the motor.It is very dangerous.

11.Pay attention when the cutter cuts through the floor
When the cutter cuts through the floor,the cut parts will fall down after cutting.Thereby take protecting measures under the cut parts to protect the safety of people and properties.

12.Abnormal motion

If the saw web stops or there is abnormal sound in the process of cutting,turn it off.

13.Clean up the machine after use

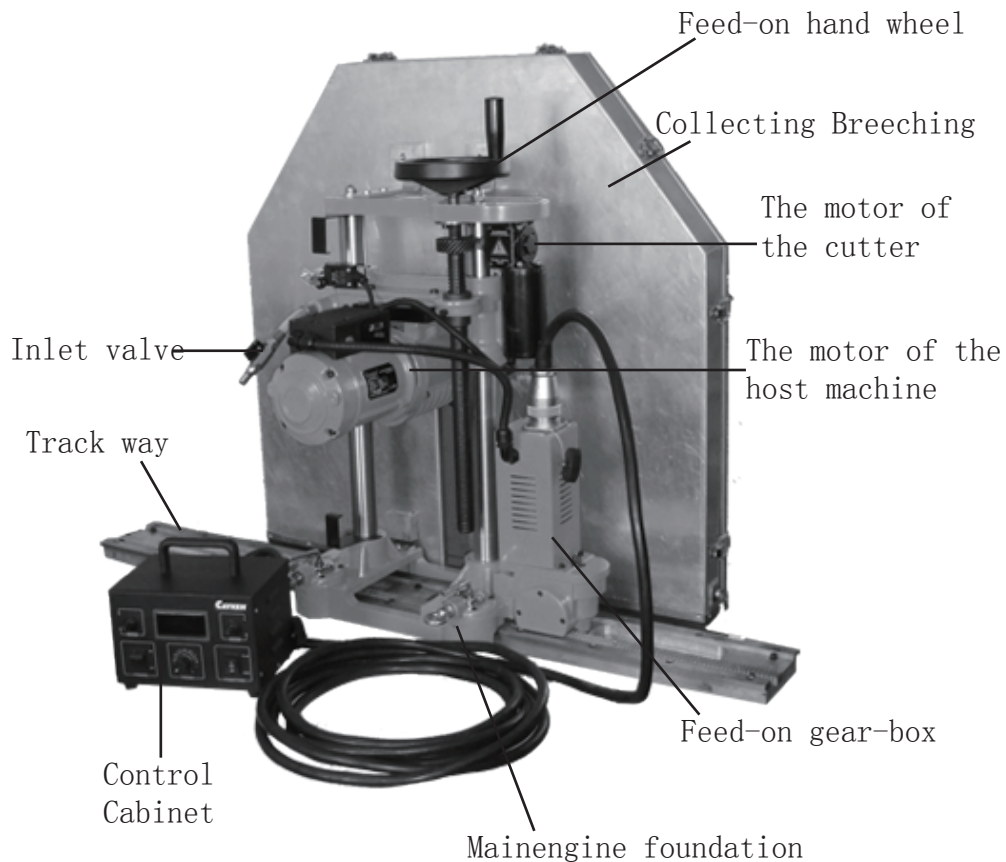
To keep the machine' s service life, keep it tidy after use.

Chapter3. Regulations

Modle	Cutting Diameter (mm)	Rated Voltage (v)	Rated Frequency (Hz)	Input Power (w)	Cutting Depth (mm)
SCY-320WEQ	800mm	220V~	50-60Hz	6280W	320mm
SCY-420WEQ	1000mm	220V~	50-60Hz	7280W	420mm
SCY-520WEQ	1200mm	220V~	50-60Hz	7980W	520mm

※In order to keep improving our products,we reserve the rights of making changes to technical data without advance notice.

Chapter4. Illustrations of the Machine Parts



Chapter5. Applicable Projects

The cutter is applicable for cutting or slotting on armoured concrete, concrete brick wall, stone material such as marble and wall.

Chapter6. User's Notice

Check the following points before plugging in:

1. Use rated power supply

If the machine does not use rated power supply, it can not work. Please notice that only the machine uses the right rated power supply and keeps the current in the control cabinet at 6A, no more than 10A, the machine can work to its optimal efficiency and without damage.

2. Make sure that the switch is in position "Off"

The switch on the control cabinet of the machine can be easily switched on. Make sure all the switches of the cutter are off before plugging in to avoid the accident.

3. Make sure the saw web is correctly fixed

Lock the saw web cat in the clockwise direction. Fasten it with the open end wrench and rotate the saw web to see if it rubs with the saw web cover. If it does, adjust the saw web and the saw web cover before use.

Chapter7. Operational Guildeline

A. Installation of the machine

Install the track way first, and then fix the machine on the track way. In order to cut the wall surface flatly, the right method to install the track way is: The motor is on top and the saw web in the downside. Keep the rotating direction of the saw web against that of the running direction of the motor. In this case, it can not reduce the cutting time, but also improve the cutting capacity.

1. Drill one anchoring spurs for the setscrew of 16.3-16.5mm in diameter and 55mm in depth with the percussion drill at the position of 133 ± 2 mm from the facet. It can hold a machine with a M12 setscrew. The guide rail can be fixed in any place around the anchoring spurs.

2. Use an air pressure gun to clean away the pieces in the anchoring spurs.

3. Drive in a machine with a M12 setscrew, insert a loosening bar into the screw hole, and knock the fixed setscrew with a hammer. Make sure the setscrew is fixed tightly in the holes, or else it may move or drop down in operation. Use the outfitted setscrew and screw and so on to fasten the

guide rail outfit. The number of the setscrew depends on the softness of the cutting plane. The track way must be fixed tightly.

4. Fix the host machine according to the progressing mark on it. Fix the speed control, the plug and the handwheel rotating in counter-clockwise and then the host machine can run on the track way.

5. Fix the saw web. The diameter of the internal hole of the host machine is 355mm. The hexagonal screw to fix the saw web must be fastened by the open and wrench.

6. The saw web aims at the cutting plane line. Fix the track way totally, adjust flatly the six hexagon heads on the track way with the hexagon spanner and move up and down the screws to be on the same horizontal line. Thus the track way can not break away from the joint.

7. Aim at the plug connecting the cable.

B. Cutting instructions

8. Insert the water pipe into the inlet valve to supply water. Regulate the water and make it abundantly on the cutting plane.

9. Turn on the switch on the control cabinet and the switch on the control cabinet and the switch of the host machine.

10. After rotating the cutter handwheel, in start cutting slowly. The saw web move downwards to touch the cut parts. The saw web must move slowly. When the cuts to the preset depth, rotate the handwheel to cut.

(then you should turn on the machine's switches for moving up and down or forward, adjust the speed and make electric cutting.) You can adjust the cutting speed when it cuts into the wall. The cutter must keep a low and uniform velocity when coming into reinforcing steel bars. If it cuts too deep at the beginning, it is excessive work for the machine, which will decrease the cutting speed.

11. Disassemble the host machine from the track way and clean up the working area after the cutting.

Notes when the cutter is working:

a. If the cut part is hard and thick, the best way is to cut it twice. That is, if the cut part is 20cm thick, cut into 10cm first and then cut into 10cm again. In this way, it will raise the cutting efficiency, and reduce the spoilage to the saw web.

b. Do not plug in when fixing or disassembling the saw web in case of accident.

c. The machine can not work over 10 hours every day. It is better to cool it for a while after it keeps working for two or three hours and then it can work again.

Chapter 8. Fittings

The track way has two sizes of 1.2m and 1.8m. The user can order other size of track way accordingly.

Chapter 9. Maintenance and Inspection

Note: Do not plug in before checking the machine.

The accumulative working hours of the machine can not exceed 24 hours.

Then it must be thoroughly cleaned up and maintained. You should especially guarantee the lubrication and flexibility of the lifting screw and the lifting screw and the lifter of the host machine. (They can not have any slurry and sundries, which is good for operation. On the contrary, it will damage the machine.)

1. Check the saw web

Using attrited saw web will reduce the cutting efficiency and make the motor overwork. The saw web needs to be changed timely.

2. Check the chain wheel

Check whether the 16 chain wheels under the foundation are stuck or fail to work. The space between the chain wheel and the track way is no more than 0.2mm, or else you should loosen the screw caps for fastening the chain wheels and adjust the hexagonal tightening screws at both sides of the foundation accordingly.

3. Check the chain wheel

Check monthly the depth of parallelism between the moving direction of the saw web and the track way. If the distance between the saw web and the track way can not be more than 1mm, or else the saw web maybe stuck

by the concrete when cutting, thus decreasing the cutting efficiency. If they are not parallel, loosen the 4 set screw of two speed box on the middle base with hexagon spanner of less than 6mm and adjust depth of parallelism of the saw web.

4. Check the carbon brush

The motor contains dissipative carbon brush, If the carbon brush is seriously worn, it will wear the motor.

When the carbon brush is frayed to only 6mm, it needs to change a new carbon brush. Keep the brush clean, so that it can be easily put into the carbon brush box.

Note: Keep changing the carbon brush from the original manufacturer. Nip tightly the power line when changing the carbon brush.

5. The motor's protection

The motor is the heart of the machine. Be careful. Do not let oil or water into the motor.

Notes: If dust or things come into the motor, the motor may be damaged. Make the motor run no-load to eject the dust after each use.

6. Check the screws on the machine

Check whether the screws on the machine are loosed. If they are, fasten them. It is very dangerous to use machine with loosed screws.

7. Keep the machine or fittings

Keep the machine or fittings in dry and safe place. Do not place them in the following places:

- a) Place in the reach of children
- b) Moist place
- c) Place where the temperature is labile
- d) Place exposing directly to the sunshine
- e) Flammable or explosive place

Chapter 10. Maintenance Notes

First, the machine is made under normal producing system. Thereby, if your machine is broken, do not repair it by yourself but contact our franchiser or us for repair.

Second, it is prohibited to personally change parts not from the original producer. If you do, we will charge the total repairing fees after it is verified. For example, if you change the carbon brush not from the original producer, the resistance may be too large or small for the machine for it is not from our factory. It may result in the damage to the motor cover and others, and even leads to the burning of the motor. For the sake of protecting the machines' service life, we prohibit the customer to personally change parts not from the original producer. Thank you for your cooperation.

Annotations: Clean up and lubricate every thread rolling dies and wheel for every 200 hours' using the cutter.

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OPERATING INSTRUCTION

