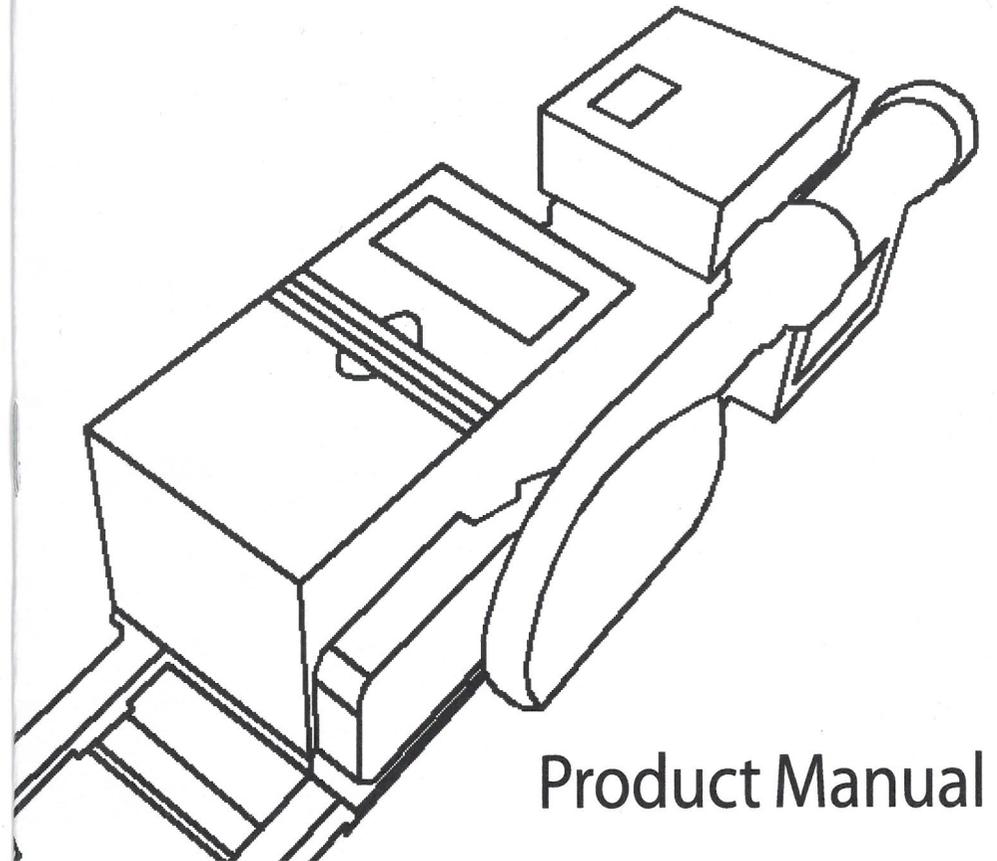




Wan Ku Carpentry
Intelligent Cutting Machine



Product Manual

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General safety rules

Warning! Reading instructions: Failure to follow the instructions listed below may result in electric shock, fire and serious effects. In all the warnings listed below, the term "power tool" means all electric drive (wired) power tools or battery powered (wireless) power tools.

1. Please keep the workplace clean

Do not use this machine in a messy working environment or worktop, as this may cause an accident.

2. Do not let the power tool be wet, do not use the power tool in a humid environment. Keep the workplace in sufficient lighting. Do not use electric tools in places where fire or explosion may cause.

3. Please avoid contact with the surface (such as pipes, radiators, gas stoves, refrigerators, etc).

4. Do not allow unrelated personnel to access the tool or the power cord, and do not allow any foreign personnel to enter the workplace.

5. When not in use, the tool should be kept in dry or locked place which children can not touch.

6. Do not apply excessive force to the tool

In the design range can be safe and more efficient use of the tool, do not exert too much force to the tool.

7. Please use the appropriate tool

Do not use small load tools or accessories to complete heavy load operation; Do not use this tool for purposes other than design.

8. Please turn on the vacuuming equipment

The tool is equipped with a professional vacuuming device, please confirm whether the equipment is properly connected before use.

9. Do not use the power cord to mention the tool or pull the power cord directly from the power outlet; Be sure to avoid the effects of heat, oil or sharp objects on the power cord

General safety rules

10. Please be dedicated on maintenance tool

Please keep the cutting blade sharp and clean to ensure safer operation and better performance; please follow the instructions to lubricate and replace the accessories; please check the tool's power cord regularly, if damaged, please immediately repair or replace; Be sure to keep the display screen dry and clean.

11. Turn off tool power when the tool is not using or servicing or replacing blades and other accessories.

12. Make sure that all adjustment tools and wrenches have been removed from the machine before turning on the power.

13. To prevent accidental start

Do not place your hand on the switch button when you are plugging the tool on the power supply, be sure to turn off the power switch when the tool is plugged into an electrical outlet.

14. When using this tool outdoors, use only outdoor power extension cable.

15. To concentrate on all the work, keep your mind awake, do not operate this tool during fatigue.

16. Periodically check damaged parts

Before using the tool, when the cover or other parts are damaged, please carefully check to determine whether it is working properly or to complete the correct function. Check the movable state of the movable part, whether the movable part can move; The damage of parts, installation and other conditions that may affect normal use are recommended to contact the manufacturer for repair or replacement, so as not to cause unnecessary impact on the machine; when the switch can not be properly closed, do not use this tool.

17. Be sure to allow the professional to service the machine

The machine can meet the relevant safety requirements, repair operations must be carried out by professionals and use the original parts to avoid danger to users.

Supplementary safety precautions regarding the use of the tool

1. When working for long periods of time, it is advisable to wear a hearing protection device.
2. Can only use the manufacturer's recommended blade, and the blade of the maximum working speed shall not be lower than the marked on the work card "no load".
3. Before using the operation, please carefully check whether the saw blade is cracked or damaged, cracked or broken saw blade should be immediately replaced.
4. Be sure to fix the saw blade.
5. Be careful not to damage the spindle, circuit board, panel, controller, etc.
6. Keep the protective device in the correct position and in proper working condition.
7. Do not touch the moving parts of the tool with both hands.
8. Do not let the saw blade touch the work piece after turning on the power switch.
9. Before using the tool to actually process the work piece, let it idle for a few minutes. At this point, please observe whether it is properly installed.
10. When the saw blade stops abruptly during operation, makes abnormal noise or starts to vibrate, be sure to disconnect the power switch of the tool.
11. Be sure to disconnect the power switch of the tool before removing, fixing the tool, clamp, changing the working position, angle, or disassembling the saw blade.
12. After the operation, do not touch the work piece immediately, so as not to hurt the skin.

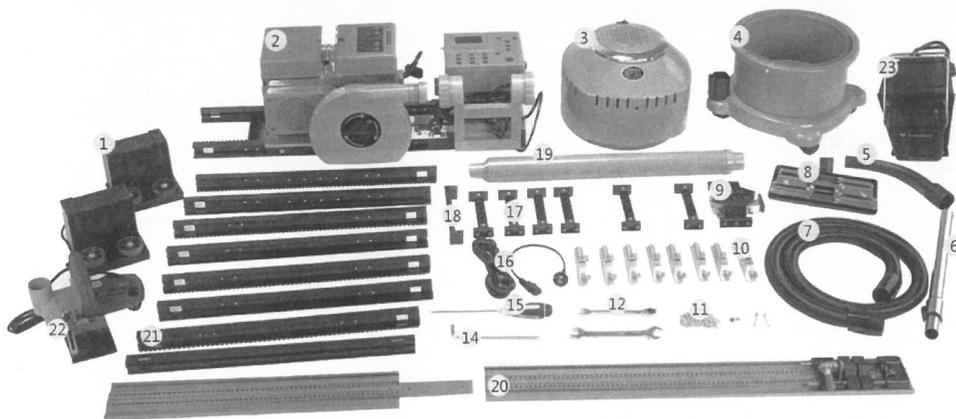
Service

1. When tools need to be maintained, please contact the manufacturer or courier to the company maintenance, and provide a valid warranty card and purchase invoices, loss of warranty card will not be issued.
2. Damage caused by normal consumables, overload or improper use is not covered under warranty.

Fault display

1. The indicator light flashes twice in each cycle, indicating that the travel motor over-current protection, please check the walking system.
2. The indicator light flashes four times in each cycle, indicating that the travel motor sensor failure, need to return to the factory replacement.
3. The indicator light flashes five times in each cycle, indicating that the motor is driven or the motor is faulty. Please check that the motor is jammed.
4. The indicator flashes eight times per cycle, indicating that the power supply is under-voltage, please check that the supply voltage is normal.

Three-in-one intelligent cutting machine components display



- | | | | | |
|-----------------|--------------------------------|-------------------|------------------------|-----------------|
| 1 Stepper motor | 2 Main engine | 3 Dust cover | 4 Dust bucket | 5 Handle |
| 6 Flexible tube | 7 Hose | 8 Scrubbing brush | 9 Orbital big rail arm | 10 Orbital lock |
| 11 Screw | 12 Ratchet wrench | 13 Open wrench | 14 Inner hexagon | 15 Screwdriver |
| 16 Wire | 17 Orbital rail arm | 18 End rail arm | 19 Air hose | 20 Track ruler |
| 21 Track | 22 Small-sized cutting machine | 23 Transformer | | |

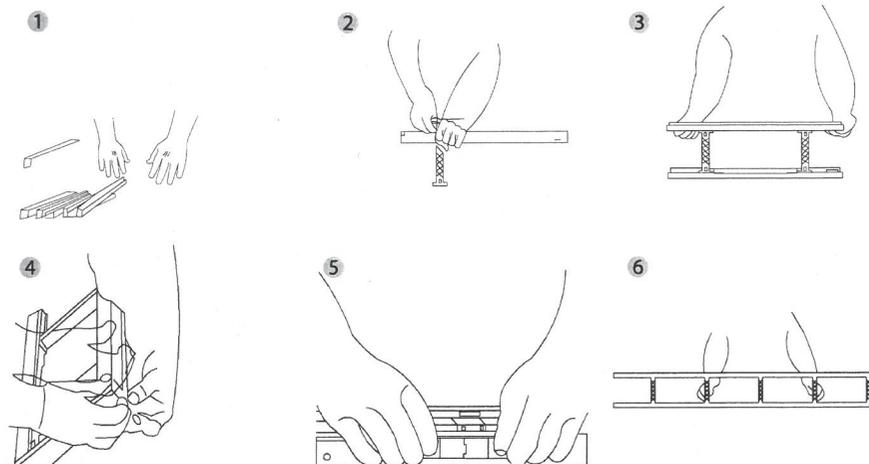
Installation and operation

1.Remove the host and accessories

2. Install the tracks

Take out the midrange and the end of the track, rail connection cross arm, the cross arm of the end track, orbital connection locks, screw, screw driver and ratchet wrench; Select the middle and the end track, there is a gap at the bottom of the end track; Fix the end track and cross arm with screws, and then fit on the cross arm of the end track; Fix the middle track and cross arm with screws (Note: track is respectively with and without teeth); Align the installed track and buckle the rail connection lock into the track bayonet, lock them by ratchet wrench, through the same way, connect the other tracks;

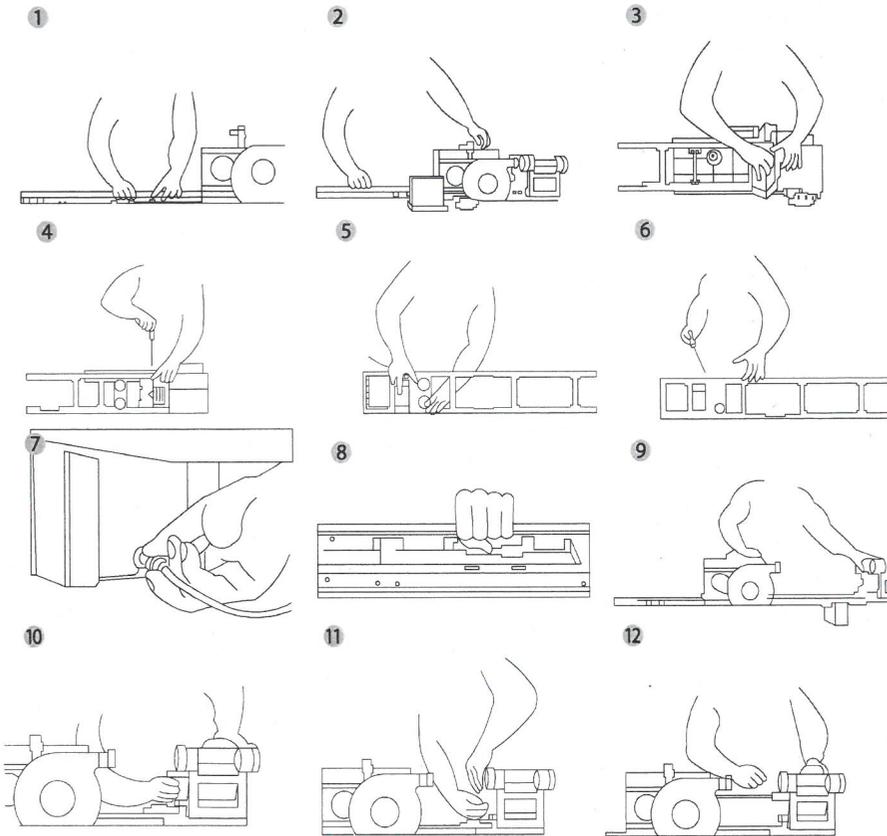
The track connected by this connect lock can make no gaps in the connection and easily install and carry, what' s more, it can achieve the result of the whole root track. Note: must align the connection of two tracks, buckle the track connection lock and use the ratchet wrench to lock.



Installation and operation

3. Turn on the stepper motor power cord

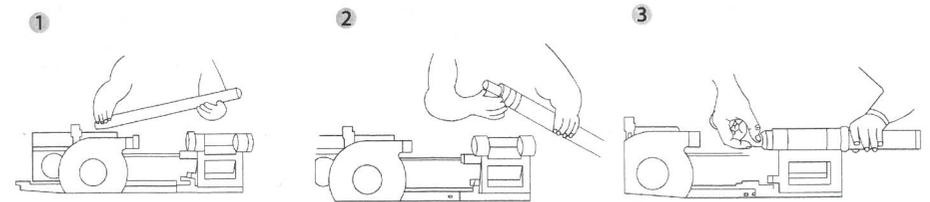
Take out the host of the machine, connect the host and track by orbital connection locks (method is same as above) ; Take out the front numerical control device and the front cross arm, tilt the machine, firstly put the numerical control device into the track, and then insert the trachea into the big cross arm, buckle into the track by fixing with screws; Take out the end numerical control device and dig into the track, align three screw holes at the backend track and fixed by screws. Take out the stepper line, initially connect the stepper line with the end numerical control device, and then card the stepper line into the wire bayonet place of the track, when through the forth track connection lock, bring up the machine and push back, and then card the wire to the end point, finally connect the stepper line with the front numerical control device, after those, push the machine to the originally location; Connect the front numerical control device with the microcomputer, card the host wire into the bayonet of microcomputer, and insert the host output interface, then plug in the trachea;



Installation and operation

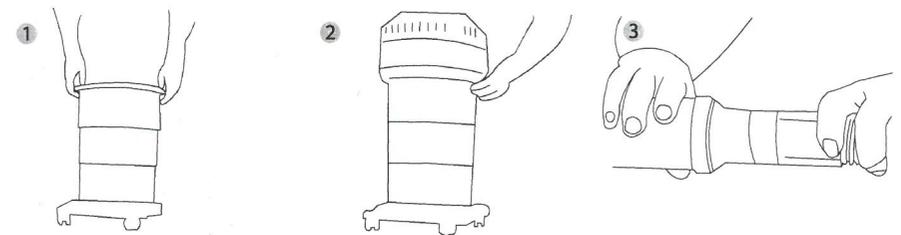
4. Install the suction duct

Take out the telescopic duct, unscrew three plastic nut on the duct stent, according to the order, set the first nut into the stent, and then set the duct into the duct stent, later set the plastic nut into the duct and tighten them. (The air hose head shall be aligned with the first nut.)



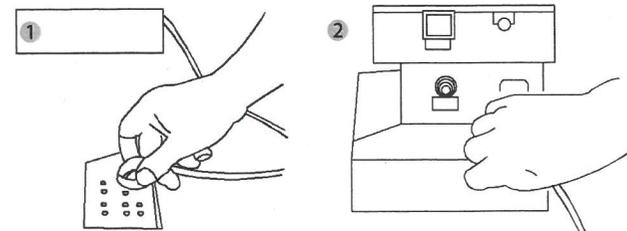
5. Vacuum cleaner installed

Take out the dust barrel and host of the vacuum cleaner, take out the vacuum tube in dust barrel, firstly fix the barrel by feet and align the mark place on the barrel, lift and rotate two to the right (turn two to left to fall), cover the cleaner host, rotate the lock to fasten and then connect the vacuum tube;



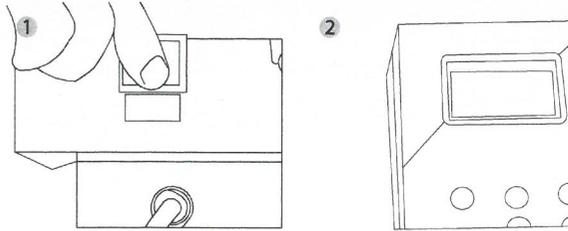
6. Connect the trachea and power cord

Connect the vacuum cleaner pipe to the machine air duct, insert the air pump air pipe into the air interface, connect the transformer, and turn on the power.

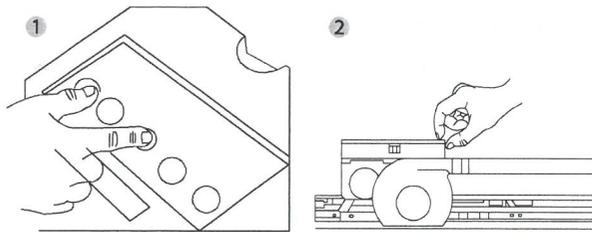


How to use

1. Turn on the power switch, the host and microcomputer screen shows the light;



2. Set the length of the board. Press the red stop button 3 seconds, the red light flashing; Press the forward button, the machine automatically forward to the desired location, press the red stop button to stop; Press the red stop button 3 seconds, the red light put out; Press the back button, the machine back to the starting point; Press the forward button to make sure the validity.

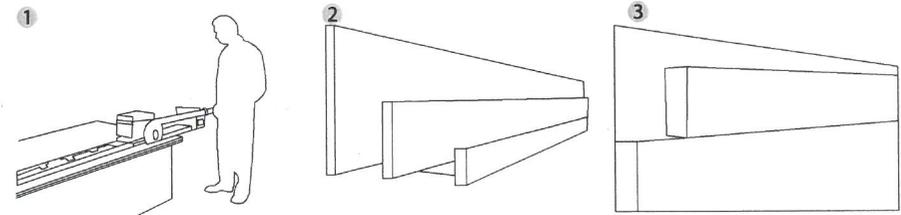
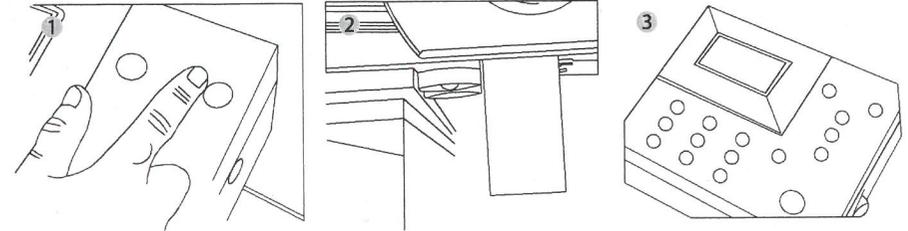


3. Align the machine and the board, press the clamp button in the upper right corner of the microcomputer, lock the machine and the board

4. Set the required width of the board

- Press the SIZE button, the screen displays the size bar, and enter the size you want.
- Press the DATUM button, automatically remove the thickness of the saw blade
- Press (OK) button, mean complete the setting.
- Press the MAIM button of the main machine, the machine automatically saws the wood or wooden strip you need

How to use

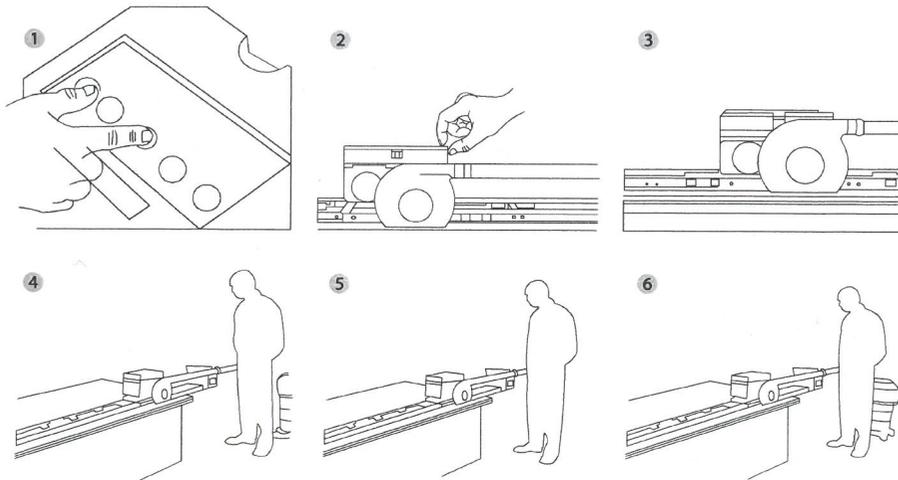


Note :

1. Before open the power switch, need to determine whether the machine host is located in the starting location of the track;
 2. When sawing the first piece of wood, you need to press the DATUM button to remove the thickness of the blade. When the second piece is not needed (The same board) .But when change the new board, it needs to be referenced by the new DATUM button.
 3. If change the plate, press the loose button
- Memory positioning operation

Memory positioning operation

1. Press the red emergency stop button for 3 seconds, the red light flashes.
2. Press the forward button, the machine automatically forward.
3. To reach your desired location, press the red emergency stop button.
4. Press the red emergency stop button for 3 seconds, the red indicator light off.
5. Press the back button to return the machine to the starting point.



Memory positioning operation is completed, such as the next need to saw other sizes, you need to re-positioning.

Power failure reset

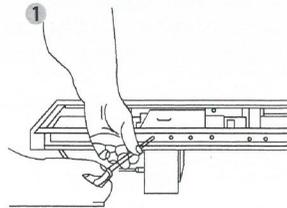
1. In the course of work encountered power outage, the machine did not stop at the starting point, and so on to restore power supply, the machine will automatically return to the starting point.
2. As in the work process, if press stop button to close down the machine .when the power socket is loose or fall lead to power off or malfunction, requires 3 to 5 minutes and then connected to the power, because there is still electric power storage in microcomputer capacitance., direct insert will affect the normal work of the microcomputer.
3. When in the process of work encounter power outage, the machine did not stop at the beginning, after to restore power, the machine will automatically return to the starting point.

Contrast with ordinary cutting machine

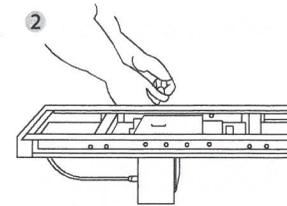
Intelligent cutting machine	Normal cutting machine
Safety (blade hidden)	Unsafe (the saw blade will be touched at work)
Labor saving (single person operation)	Laborious (more than two persons operation)
Environmental protection (more than 90% dust inhalation)	Not environmentally friendly (dust everywhere)
The sawed batten & board is clean and smooth	The sawed batten & board has big burr and not smooth
Portable (easy to transport)	Big size and transport is not convenient
Power saving (the adoption of the latest brushless direct current motor)	Waste of electricity, using impact motor
No fire hazard	Impact motor has fire safety hazards

Saw gypsum board

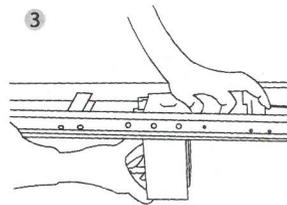
1.Saw plasterboard : because of the size of plasterboard is shorter than normal board, so when saw it need to move end numerical control machine forward one screw flat;



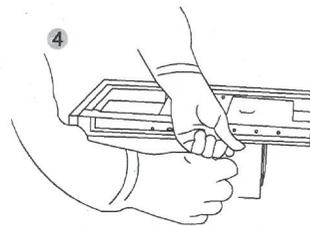
2.Slide the 6 screws at the end of the track stepper motor.



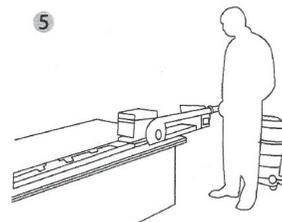
3.Move the stepper motor forward by 40mm.



4.Reattach the six screws.

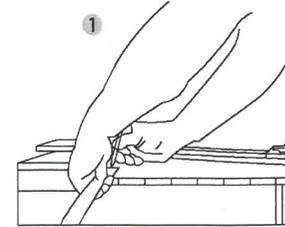


5.Saw board operation is the same as above.

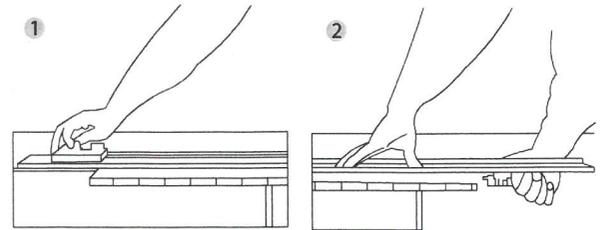


Operation method for special track of small-sized cutting machine

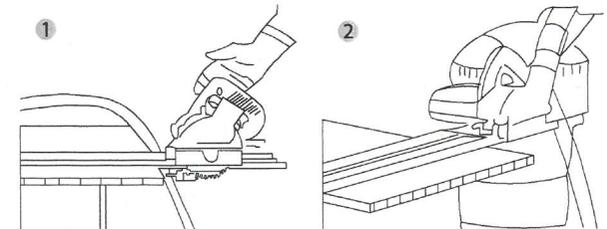
1.Draw your required size;



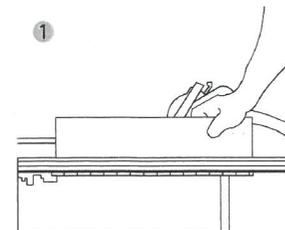
2.Looseen the orbital glide device, there is a fixed button lock on the device, lift and move on to your required size, put down the fixed button lock, card into the fixed button lock tightly, orbital size adjustment to slightly longer than the board size; Lock the orbital glide device with lockset;



3.Put the small cutting machine in track, access to the vacuum cleaner; Open the vacuum cleaner, start to saw the board,



4.The wood is smooth, flat, burrfree, when it worked, the environment is clean, the operator will not inhale dust which bad for health.



The length of building board is shorter than ordinary wood, the installation of the track can be installed one less, the other is unchanged.

The scope of application

1. Aluminum plate
2. Carpentry board
3. Plastic board
4. Fiber board
5. Insulation board
6. Composite board
7. Three plywood
8. Capacity board
9. Metal aluminum plate
10. Chipboard