Panel Saw Machine

User Manual

Series: MJ600T

Brief Introduction of the Operation Manual

The design of the products delivered to you may vary from this Operation Manual As a result of retrofit by the manufacturer , therefore
These operation instructions covered by this Operation Manual are not necessarily fit For a certain specific model
1. Take off the safety device and check plate ,especially the saw blade cover and riving knife safety cover will endanger the operator and result in an accident
2. All operators and relevant personnel of this brand panel saw must read carefully , understand and comply with this Operation Manual
3. We recommend reading this Operation Manual carefully before using the machine
We will not be responsible for any damage and adverse effect due to not complying with this Operation Manual

Qualification of operator

Before using the panel saw ,the flowing points must be complied with only the operator trained substantially and obtained the qualification can operate the panel saw.

Explanatory notes this Operation Manual covers the important information about how to operate the panel saw safely, properly and economically, complying with this Operation Manual will be helpful to avoid danger , reduce repair cost and idle time and improve the reliability and service life of panel saw.
Rules for accident

Prevention

Use the existing regulations for accident prevention and environmental protection of the sate to supplement this Operation Manual .The place where this equipment is operated must be furnished with this Operation Manual ,every new substitute of this equipment must read and comply with the requirements in this Operation Manual ,for example ;

Operation includes setting up ,removing operating troubles ,clearing off production waste, maintaining and clearing off the operated and auxiliary materials.
Attention ;some paring saw dust may be left when we conduct trial cut before delivery even with cleaning

Model No: MJ600T Precision panel Saw

1, Usage and feature of structure

This saw is designed to cut solid wood panel, chipboard, MDF&HDF, ABS board, PVC board and other board which have the similar structure and hardness. It is the necessary working tool for furniture production and decoration industry.

It is made of by body, sliding table, support for sliding table, steady table, main blade, scorer blade, blade up & down system, blade 45 degree tilting system, rip fence system and etc. The sliding table carriage is Round rod structure, exact and durable and made of high-strength extruded aluminum ally, sliding table is high in strength and won't be bended. After two dynamic balance, it is high precision .With oxidation and all spray treatment, sliding table surface is beautiful and hardwearing. The main body has 14 fixed points, making the machines more durable and high precision.

2, Parameters

Model	MJ600T
Dimensions sliding table	3800*435mm
Max. Cutting length	3700mm
Width if cut between saw blade and rip fence	1100mm
Saw blade Φ	600mm
Height if cut	170-220mm
Speed of main saw blade	2000/4000rpm
Spindle diameter	30mm
Tiling saw blade	0- 45°
Main motor	7.5kw
Net weight	900kg
Gross weight(wooden case)	1000kg
Over dimensions	3850 *3150*900mm

3,Fix and Adjustment

3.1, The machine should be fixed on hard floor or the special prepared base. Before the machine is fixed, it should be adjusted and made sure the machine has a correct levelness for the machine feet in order to reach the best cutting precision.

3.2, After the machine is fixed, the operator should equip the sliding table attachment onto the main blade. And double check the connected screw between steady table, sliding table and body worked correctly and well. Check and make sure the rip fence to get the correct parallel with the main blade. Check and make sure the transverse stop bar to get the correct verticality with the main blade. After all of the items reach the correct place, the machine can get the designed cutting precision.

3.3,Before the machine leaves the factory, the each item of 3.2 are already being adjusted and set up by factory engineer. The user only need to check it and make sure it is at the right place. If it

cannot reach the correct place and get the right precision request, please refer to the professional engineer.

4, Usage and Maintenance

4.1, Usage

After each part is adjusted and got the designed precision level, we can make the test running. Before connect to the electricity supply, please turn on each hand wheel, and move the V-belt or blade by hand slowly to make sure every gear system and belt system can work correctly. It can avoid any damage after turn on the switch if the system being shocked during transportation.

Before formal cutting, we should turn on the machine and turn off it very quickly to check whether the motors' spindles run in correct direction. Install the motor, and then go into normal usage if the spindle work properly.

Firstly, test cut by one small piece wood plate. Don't cut through the plate and check the cutting groove result. As per the groove result, the operator can adjust the knob on the right side of the saw body to make sure the main blade and scorer blade to be in the same line.

Pull out and turn the stop pin at the end of table. Move the table to each end to install the main blade and scorer blade.

If the scorer blade is trapezium shape, make sure the cutting width of scorer blade is more than the cutting width of main blade by adjusting the height of the scorer blade. Adjust and fix the main blade height to make sure the top of the scorer blade. Adjust and fix the main blade height to make sure the top pf the blade is 7mm higher than the plate material being cut.
When the levelness of the plate material is poor, it should be equipped with combination scorer blade. It can be increased the cutting operation.

4.2, Maintenance

The machine should be used together with dust collector.

Each shift worker should clean the machine like moving parts table, sliding carrier and the inside of the body after cutting job.

Each shift worker should spread oil onto steady table top, carrier and surface of machined parts.
Each shift worker should do the lubrication for motor spindle, the up & down driving spindle of the scorer, screw bar, and other sliding or turning parts.
The carrier of the sliding table should be take care carefully by clean and lubrication by oil.

5, Safety

5.1, Make sure the blade cover at the correct position and work well before cutting. Don't cut the blade cover.

5.2， Disconnect the power supply and make sure the blade is fully stopped before clean or

change blade.

5.3,Don’t put the hands closely to the blade when cutting. Please use the push hand for the small and thin work piece cutting.

5.4,Please choose correct blade and running speed for different cutting.

5.5,Check the working situation of the saw regularly, and stop machine and do the fix service if find any wrong.

5.6, Please come to the professional engineer for reference before cut non-wooden material.

5.7, Please earth the machine correctly.

6,Easily broken parts

Part name	Model	Qty	Location
Bearing	6205	2	Main blade spindle
Bearing	6203	1	Scorer blade spindle
Bearing	6204	1	Scorer blade spindle
V-belt	A-710	1	Main blade
Belt	20mm-600	1	Scorer blade
Nylon wheel	Φ50	4	swiveling jib