



SMG Rapid-Edge 15H Portable Plate Beveling Machine

Operator's Manual



Make sure to carefully read the instructions before proceeding and store them for future reference.

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Part I: Equipment Introduction

A quick and easy edge beveling solution designed for edge preparation of plate. The SMG Rapid-Edge 15H Portable Plate Beveling Machine can provide stable output power. The advantages of the machine are light in weight (compare with similar product), safety in use, little vibration, easy operation and high efficiency in beveling process. The machine is suitable for metal plate beveling and deburring before welding. It can process the plate which is made from steel, cast iron, hard plastic, non-ferrous metals.

Feature:

1. The beveling surface of plate is smooth and flat, and oxidation layer in its surface, and easy for welding
2. Meet the pre-welding requirement for K, V, X, Y-type welded joint
3. Suitable to use on the steel plate, cast iron and hard plastics, and it also can be used on the chrome steel and other high-strength materials.

Technical Data:

- Electric Motor: 380V, 50HZ, Three-phase electric power
- Power: 1.1KW
- Rotation Speed: 2870 r/min

Part II: Safety Instructions

The safety of all individuals involved is of utmost importance to the company. Therefore, it is imperative that operators adhere to the safety regulations provided when utilizing this equipment.

1. Read the operating manual before installation, be sure to carefully read the installation and operation procedures. It can save valuable time and avoid personal injury and machine damage.
2. Check the machine and spare parts before installation.
3. Only allow trained personnel to operate the machine.
4. Must comply with the safety rules which are developed by professional organizations and enterprises to avoid accidents.
5. Use the specified voltage.
6. Operate the machine under the dry and safety condition.
7. Use the arrow on the machine as a guide when operating it.
8. Do not use cooling or lubricating fluid.
9. Wear protective glasses when operating.
10. Protect the power wire when operating.
11. Cut off the power and pull out the power plug before adjusting the cutting and beveling edge and angle.
12. Check the screw is tight before operation.
13. It must be carried out several times when the cutting and beveling width is more than 15mm.
14. Do not change the cutter before turning off the power.

Part III: Accessories List

Serial Number	Name	Quantity	Comment
0	Machine Cover	1	
1	Side Plate	1	
2	Side Plate	1	
3	Cover plate	1	
4	Support Column	1	
5	Support Column	1	
6	Cutter Spindle	1	
7	Motor Fixed Plate	1	
8	Bolt	1	
9	Left Turning Plate	1	
9A	Right Turning Plate	1	
10	Cutter Plate	1	
10A	Longer Cutter Plate	1	
11	Cutter Plate	1	
12	Bolt	1	
13	Bolt	2	
14	Washer	8	
15	Clip	4	
16	Pin	2	
17	Tooth Clamping	2	
18	Slot type Nuts	1	
19	Bolt	8	
20	Locking Block	2	
21	Spindle Motor	1	
22	Motor Switch	1	
23	Connector	1	
24	Extension Cord	1	
27	Handle	1	
29	Nut M8		
30	Hex Bolt		
32	Pin		
33	Bolt		
34	Washer		
35	Headless Screw		
36	Cutter Blade		
37	Cir-clip		
38	Bolt		
39	Bolt		
40	Facing Cutter		
40A	Facing Cutter		

Part IV: Installation and Operation Procedures

1. Milling Width Adjustment

- The milling width of the machine is adjusted to 2mm when leaving the factory. When the milling width needs to be adjusted, release the fasten screw(13) first under the handle, then turn the handle(12), lift the body case, the adjustment range is from 0mm to 15mm.
- We recommend that you do not adjust the milling width more than 15mm, in order to protect the machine and tools, each adjustment is 5mm.
- Scale I I I I corresponds to 0,5,10,15 mm, (under the milling width is completed in the case of 45°, the screw must be tighten)

2. Milling angle Adjustment

- The milling angle of the machine is adjusted to 45°when leaving the factory.
- Loose and take off 4 fasten bolts (3) from left and right side of body case when adjustment.
- The adjusted angle is from 30°~60°, and the mark on the body case must align to white line on the cutter plate.
- After milling angle adjustment, the bolt must be tightened.
- The milling angle adjustment adjustment may affect the milling width.

3. Operation

- Before starting the machine and doing the milling process, please note that use different operation modes in different places.
- If you want to mill the plate from the edge of it, place the milling machine on the surface of the plate. And the cutter blade does not touch the workpiece (the 1/3 of the cutter plate touches the workpiece).
- Start the machine, move the machine forward, follow the direction of the arrow on the machine.

4. Replacement of cutter head

- First unplug the power, release the two hexagonal screws, and remove the cover.
- Remove the clip from the slot type nut, and use a 30mm wrench to remove the slot type nut, remove the tooth clamping, remove the milling cutter blade, pay attention to the location of clip, place the cutter head on the plate.
- Loosen the screws on the clamping plate, remove the old milling cutter blade (turn the blade to 90 °), take off the milling cutter blade , place the milling cutter head on the plane, put the new cutter blade into the groove of the cutter head.
- Tightening hexagonal screws, do the same treatment for the second cutter head.
- The installation of milling cutter in the reverse order
- Pay attention to the location of the clip ring, check the cutter head is safe and do not loose. Unplug the power before inspection.

Part V: Exploded Views And Parts List

