

## **OVERVIEW**

As the most widely used high performance ironing table, KW-305 desk type flat ironing tables are the products with the longest producing history of our company, featured with stable and reliable quality, easy operation, excellent performance and low cost. These products have the function of suction, dehumidification and hold-to-run control.

The floor and die head are equipped with electric heating devices inside to allow heating temperature setting as required. Together with steam iron or electric heating steam iron, these products can perform the leveling, dehumidification, shaping and ironing of semi-finished and finished costuming and dresses. As the essential equipment for dress production and daily care, these products are widely use for the ironing of semi-finished and finished costuming and dresses made of cotton, fur, silk, hemp and chemical fiber etc.

The ironing table has the features of hold-to-run control, automatic switchover of suction and electric heating temperature control, which enable the products to win extensive welcome and praise. During operation, the dehumidification suction fan inside the base frame is controlled by the foot pedal at the base frame through hold-to-run control. As the foot pedal is depressed slightly, the fan will start to generate negative pressure and dehumidify; when the foot pedal is released, the fan will be powered off and stop suction slowly. When used on the floor, rocker arm or die head, the suction action allows automatic switchover each other. The electrical heating elements inside the floor and die head control the heating temperature automatically through WK-R11 temperature controller, allowing any temperature between room temperature and 110°C. The above features guarantee the excellent performance and reliable quality of the ironing tables.

The users may select the different product models basing on individual requirement according to the floor size, whether floor and die head requiring electrical heating element and whether requiring rocker arm and die head. In addition, using single-phase 220V or three-phase 380V power supply can be indicated in the purchase contract. The air exit at the back of base frame of this series flat ironing tables are downward. Where upward air exit is required, it should be indicated in the contract, and our company can meet such user's requirements.

## **MAIN TECHNICAL PARAMETERS**

Model	KW-305	
Floor size (mm)	820 x 1220	820 x 1520
Suction motor power (W)	750	750
Suction pressure (Pa)	>150	>150
Floor electric heating tube power (W)	750	750
Die head electric heating tube power (W)	-	-

## **INSTALLATION INSTRUCTIONS**

The above ironing tables are shipped in 3 packing cases: 1 for floor, 1 for base frame and 1 for spare parts. After unpacking the spare parts case, count the following parts: 1 set of foot pedal and pedal bracket and 1 die head, rocker arm, iron bracket, stay bar and spring spacer bar respectively. And then, assemble the spare parts into complete machine according to the following sequence by referring to the profile drawing below.

1. Remove the 4-M6x16 bolts, spring washers and plain washers in the front at both sides of the base frame, fit the foot pedal and pedal bracket assembly over the front lower part of the base frame, fasten them with the above said fasteners and the fix them. In the end, connect the 2 connecting leads of jiggle (travel) switch the plug passing under the base frame.
2. Remove the 6-M8 nuts and washers at the lower of floor, align the floor and base frame, pass the 6-M8 bolts through the bolt holes at both side of the base frame and tighten the nuts and washers to connect them into one piece. In the end, pass the leads of the base frame leading to the electric heating tube inside the floor through the hole on the base frame top surface and connect wires of the electric heating tube and temperature regulating knob (see Figure 2).
3. Insert the rocker arm lower rotating shaft into the rocker arm seat (elbow) at the back of floor and then insert the lower rotating shaft die head into the rocker arm swivel seat to make the floor, rocker arm and die head into one piece, allowing flexible rotation.

Where the die head is provided with electric heating device, connect the power cord and the socket with the socket at the back of base frame. During use, regulate the operating temperature of die head through the temperature regulating knob, the same as the floor.

4. Similarly, mount the iron bracket to the right side of floor and fasten the bolts. Fit the stay bar in the hole of the iron bracket, fix it to the bracket with two nuts up and down and fit the spring stay bar over the upper part of the stay bar in the end.
5. At last, connect the power cord to the power switch (supplied by the use). Except for connecting 3 phase conductors (live conductors), connect the zero conductor and safety earthing conductor to guarantee the equipment safety and personnel safety of operators.

## USE METHOD

The electrical operating panel and control elements of KW-305 ironing table is mounted on the upper right of base frame. For the operating panel of KW-305 ironing table, refer to Figure 1. The temperature controller of floor and die head electrical heating elements is mounted at the lower of floor or die head right side, which can be operated or regulated independently. For the knob of temperature controller, refer to Figure 2.

1. Connect the power supply and get ready to start. Verify whether the power is single-phase 220V or three-phase four-wire system 380V and confirm it's suitable for the ironing table voltage, and then turn on the power switch.
2. Turn the power switch AK1 at the left of base frame operating panel (refer to the electrical schematic diagram, i.e., the ship form switch at the left of operating panel) to ON, then the indicator lamp inside the switch will be on to indicate power on.

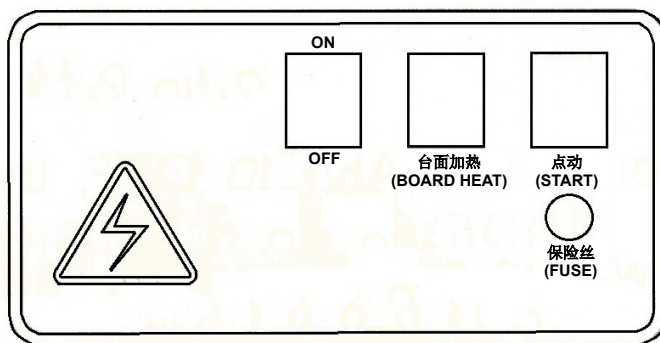


Figure 1: KW-305 Ironing Table Operating Panel

Figure 2: Temperature Knob

3. Depress (or touch) the foot pedal by foot to make the inching switch QTS contact and switch on the contactor KM of fan motor M. Then the motor M will start running and generate suction.
4. For KW-305 ironing table, after turning on power switch AK1, turn on the inching switch (at the right of operating panel) as well to switch on the control power. Then depress the foot switch to enable QTS and KM and start the suction fan. The fan will stop when the foot switch 3 is released.
5. Where the floor or die head is provided with electric heating device, connect the corresponding *Floor Heating* switch AK2 and *Die Head Heating* switch AK3 and set the corresponding temperature switch DK1 or DK2 first, then make the floor or die head heat. At this point, the indicator lamp inside the *Floor Heating* switch or *Die Head Heating* switch will be on to indicate heating in process. When the heating temperature reaches and exceeds the temperature set by knob DK1 or DK2, the indicator lamp will be off.

6. To stop the machine, turn the power switch AK1 to OFF and then the fan power will be cut off and the fan will stop. For electric heating ironing table, turn off the Floor Heating switch AK2 and Die Head Heating switch AK3 as well to cut off the heating power. It's unnecessary to turn the temperature regulating knob to OFF position.

### **MAINTENANCE AND PRECAUTIONS**

1. Remove the dust, fiber flocculation and other residue accumulated on the motor and impeller periodically to ensure the motor surface clean and facilitate ventilation and heat dissipation.
2. The dust, fiber flocculation, steam, high temperature and water accumulation may get the floor, rocker arm and die head inside polluted, corroded and aged, and also liable to make the ironing felt polluted and aged, impacting the ventilation effect. Therefore, these should be removed periodically and the felt should be replaced as required according to the aging degree.
3. The fan impeller has been subjected to dynamic balance test and adjustment, and do not remove the counter weight of the impeller without permission.
4. After use, disconnect the power to prevent unexpected hazards and damage.
5. Do not pile heavy goods up on the floor and die head and do not beat them either.
6. Never allow the electric heating tube powered on and heating without starting the suction fan for ironing; otherwise, the ironing felt may be damaged and even result in other hazards.

### **CONSTANT FAULTS AND SOLUTION**

Fault Description	Fault Cause	Solution
Power indicator lamp not on	Incorrect power incoming feeder or not powered on	Check the power and confirm it's correct
	Blown FUSE	Replace the fuse
	Indicator lamp malfunction	Replace the indicator lamp or power switch
Motor not rotate	Poor contact of switch contact	Replace the switch
	Poor contact of travel switch (inching switch)	Replace the travel switch
	AC contactor malfunction	Replace the AC contactor
	Motor malfunction	Replace or repair the motor

Weak suction force	Motor reverse	Adjust the power wiring phase sequence, namely, exchange two live conductors
	Ironing table flap not open	Repair the flap
	Impeller malfunction	Replace or clean the impeller
Electric heating tube not heating or heating temperature nonadjustable	Blown FUSH fuse	Replace the fuse
	Temperature switch damage	Replace the temperature switch
	Electric heating tube damage	Replace the electric heating tube

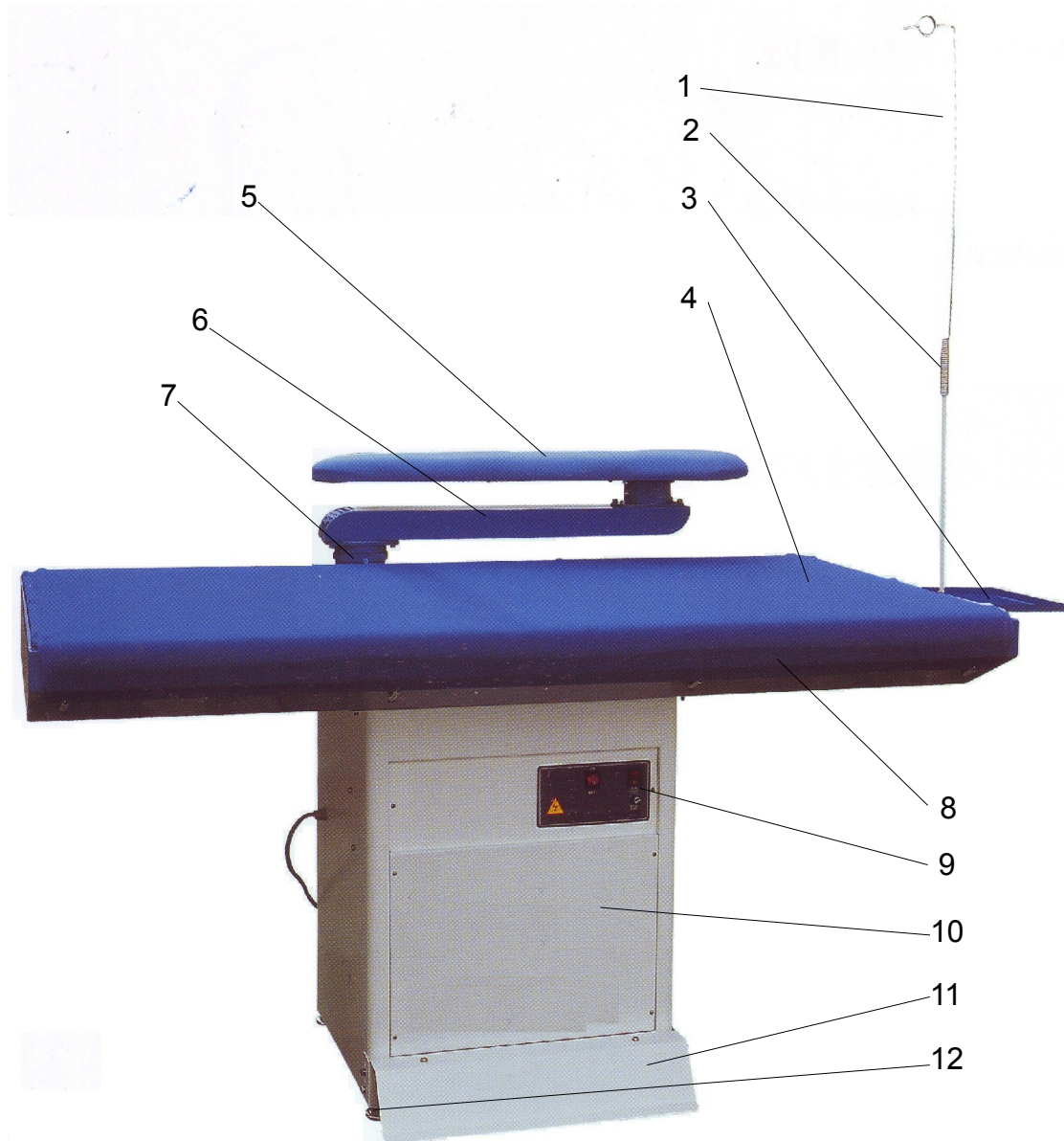


Figure 3: KW-305 Ironing Table

1. Spring stay bar; 2. Stay bar; 3. Iron bracket; 4. Floor; 5. Die head; 6. Rocker arm; 7. Rocker arm seat; 8. Temperature knob; 9. Ship from switch; 10. Frame; 11. Foot switch; 12. Foot.

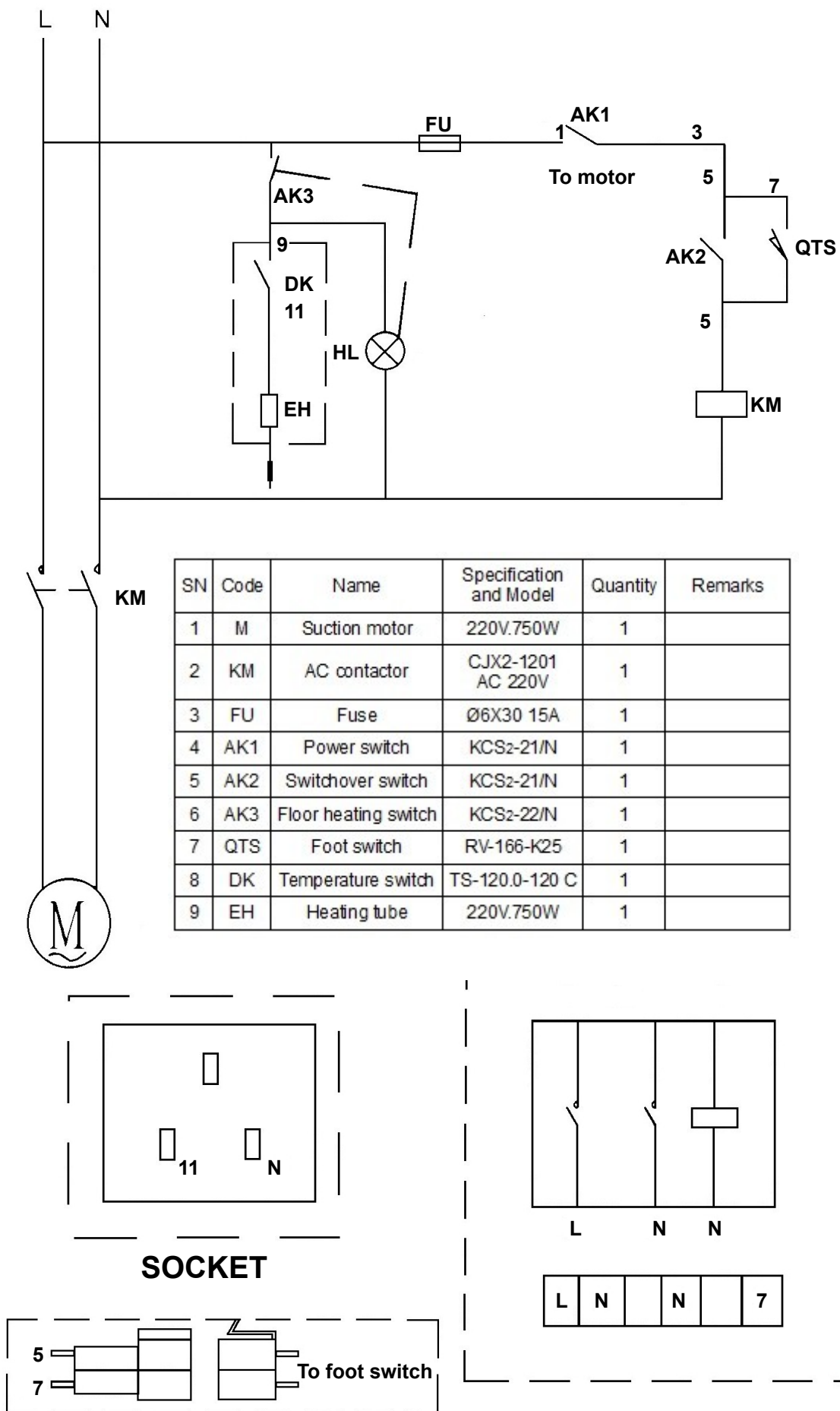


Figure 4: Electrical Schematic Diagram of KW-305 Ironing Table