

Operating Instruction

TDZ-QII~QIII

Overview

TDZ ~~—~~ QIII ~ ~~V~~TDZ-QIII series piano type ironing tables are widely used for the ironing and repair ironing of various dresses, in particular the light and thin tailored suit. It is the ironing table with the longest producing history, featured with stable and reliable quality, attractive appearance, excellent performance, easy operation, wide varieties of accessories and wide applicability. These products have the function of suction, dehumidification and hold-to-run control. The piano type floor and rocker arm 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 dresses, in particular the suit-dresses. They are the essential equipment for dress production, daily care and repair ironing. Special form and size floor, die head and special accessories provided with lighting and hook above and upward air exhaust and floor air duct switch are available upon user's demand, which make the table have more and unique purposes.

Ironing tables of this series are featured with hold-to-run control, floor suction manual switch and free setting of electric heating temperature control. This make these products have more reasonable and reliable service performance and win the user's welcome. During operation, the dehumidification suction fan inside the frame is controlled by the foot pedal at the frame through hold-to-run control. As the foot pedal is touched slightly, the fan will start to dehumidify; when the foot pedal is released, the fan will be powered off and stop suction. The lower right of floor is equipped with manual flap, through which the floor suction function can be switched to adjust the floor suction force and save energy. The electrical heating elements inside the floor and die head are equipped with imported TS-120S type temperature controller, allowing any temperature setting between room temperature and 120°C and automatic control over the heating temperature. The above features guarantee the excellent performance of ironing tables. The optional special components of different tables enable them to have more functions and wider applicability.

The user may select different model according to respective requirement. In addition, single-phase 220V or three-phase 380V power and special form floor or die head can be indicated in the purchase contract. Our company can meet these user's requirements.

Main Technical Parameters

Floor size mm	350×1000	Die head electric heating tube power W	550 <u>350</u>
Suction motor power W	750 <u>550</u>	Power voltage V	220V or 380V
Suction pressure Pa	>150	Noise dB(A)	≤72
Floor electric heating tube power W	1000		

Installation Instructions

Piano type ironing tables are shipped in 2 packing cases: 1 for frame and 1 for the rest parts (including the lower base frame and rack, upper piano type floor, rocker arm and die head etc.). After unpacking, count the above components first, and then assemble them into complete machine according to the following sequence by referring to the profile drawings below.

1. Lay the base frame on the ground, adjust the foot pad at the four corners to keep the frame stable, then place the frame on the upper right of the base frame and connect them into one piece by bolts and other fasteners and connect the conductors of foot switch (inching switch) by using plug and socket.

2. Place the floor on the frame and connect them by using bolts and other fasteners. At last, connect the conductors of frame leading to the floor electric heating tube to enable the floor to power on and heat, and then adjust the temperature.

3. Mount the rocker arm and die head to the rocker arm elbow at the back of frame to allow them to rotate freely. Where the die head is provided with electric heating device, connect the power cord and the plug with the socket at the back of frame.

During use, regulate the operating temperature of die head through the temperature knob, the same as the floor.

4. Mount the rack and stay bar to the left end face of base frame so as to place some light objects during operation.

5. Mount the various accessories to the corresponding component according to different accessories of different ironing table models by referring the profile drawings (Figure 3 ~ 7). Insert the lighting circuit plugs in the right sockets.

6. At last, connect the power cord to the power switch or power socket (supplied by the user). In addition, connect the safety earthing conductor correctly to guarantee the equipment safety and personnel safety of operator.

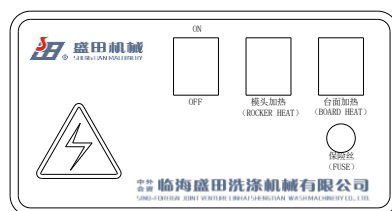


Figure 1: TDZ-Q1 type ironing table operating panel Figure 2: Temperature knob

Use Method

For ironing tables of this series, TDZ-Q1-Q2 type ironing table is equipped with operating panel on the frame, as shown in Figure 1. Except for the fuse holder, there are three ship form switches in parallel, the left being power switch AK1 (see Figure 1 and Figure 8 and 9), controlling fan power. The electrical heating elements and temperature controller DK1 and DK2 of the floor and die head are mounted at the lower right of the floor or die head to set and control the heating temperature independently. These are controlled by the right ship form switches AK2 and AK3 respectively, namely, *Floor Heating* and *Die Head Heating* switch. The specific operation method is as following:

1. Verify whether the power is single-phase 220V or three-phase four-wire system 380V and confirm it's suitability for the ironing table voltage, and then turn on the

power switch. Connect the power supply and get ready to start.

2. Turn the power switch AK1 at the left of frame operating panel to ON, and then the indicator lamp inside will be on to indicate power on.

3. After touching the foot pedal, the inching switch QTS will be connected to make the suction fan motor M contactor KM switch on, then the motor M will start operation and begin suction.

4. Turn *Floor Heating* and *Die Head Heating* switches AK2 and AK3 to ON, set the corresponding temperature control switch DK1 or DK2 (see Figure 2) and then the indicator lamp inside the switch will be on to indicate heating in process. When the temperature reaches and exceeds the set temperature of temperature switch DK1 or DK2, the heating power will be cut off and the indicator lamp will be off. Then ironing operation can be started.

5. To stop the machine, turn the power switch AK1 to OFF, the indicator lamp inside will be off and then the fan current will be cut off and the fan will stop. At the same time, 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 knob to OFF position.

6. When to stop the machine, it's better to cut off the heating power supply first and then stop the fan, so as to allow the electric heating tube to cool down for certain time before fan stopping, which is helpful for the protection of ironing felt and fabric sleeve of floor and die head.

7. For the initial use of three-phase power ironing table, where the suction force is found to be relatively weak, change the phase sequence of power cords, namely, exchange the joints of any two phase conductors (live conductors), then the motor will rotate reversely to increase the suction force. Note: when changing the power cord joint, cut off the three-phase power first and proceed under uncharged conditions to ensure safety.

8. For the rest piano type ironing tables, the difference is that the electric control switches on the frame are longitudinally arranged. Note the following items: 1. The above said LW30-25 type universal switch QAP is the power switch, marked with

POWER, used for turning the master power on and off. 2. The center one is the temperature knob for TS-120S type temperature controller, which can set the operating temperature of floor within 0 ~ 120. 3. The die head is equipped with the same temperature controller as well to control and regulate the operating temperature of die head. 4. The lower KCD2-21/N type ship form switch is used for the start and stop of fan motor (marked with MOTOR). 5. The circuits of floor and die head electrical heating elements are normally open. So long as the power switch QAP is under on state, these circuits are open. Heating can be stopped only when the temperature knob is adjusted. However, when the plug of die head heating circuit is unplugged, the heating current will be cut off as well.

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 whether the power is three-phase four-wire
	Blown FUSE	Replace the fuse
	Indicator lamp malfunction	Replace the indicator lamp or ship form 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 FUSE fuse	Replace the fuse
	Temperature switch damage	Replace the temperature switch
	Electric heating tube damage	Replace the electric heating tube



Figure 3: TDZ-Q15A type ironing table



Figure 43: TDZ - Q11 type ironing table

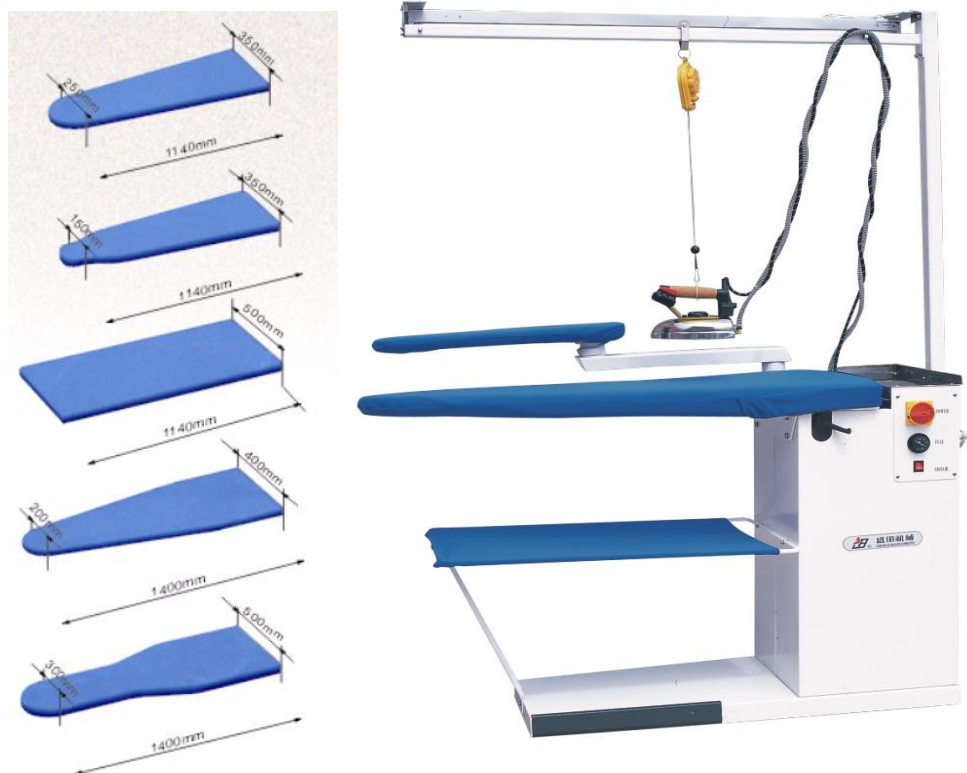


Figure 54: TDZ - QIII type ironing table



Figure 6: TDZ - QIV type ironing table