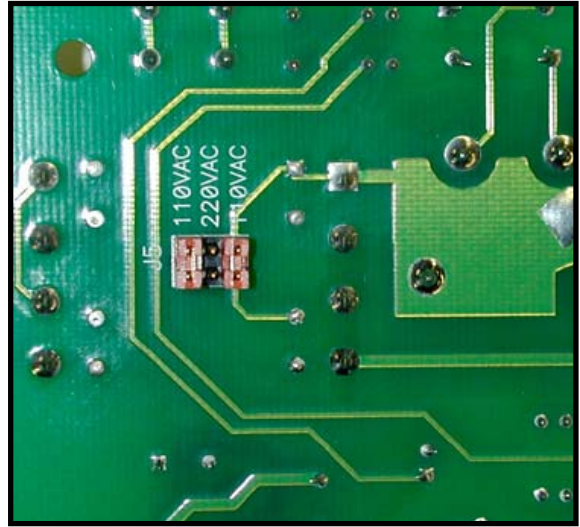


# Digital Knight Dual Voltage Heater Conversion Instructions

Many of the Digital Knight heat platens feature Bi-Voltage heater elements and electronic controls. This allows the heater to be reconfigured for different resistance (Ohms) which results in usability in 110V or 220V environments. There are 2 procedures necessary to convert voltage.

## Converting the Digital Controller Voltage:

1. Open the control panel of the press leading to the circuit boards.
2. Remove the 3 hex nuts that hold the rear circuit board in place.
3. On the INSIDE surface of the rear power board, there are 3 jumper positions marked 110VAC, 220VAC, 110VAC.
4. For 110/115/120 Volts AC - attach red jumpers as shown in the picture.
5. For 220/230/240 Volts AC - attach one red jumper to the middle connector, and remove the extra jumper.
6. Place the rear power board back into the front processor board and tighten the 3 hex nuts back in place. Check all connections, and close the control panel.



## Converting the Heat Platen Voltage:

1. Disconnect the heat platen from the frame of the press.
2. Remove the top cover of the heat platen, and loosen the cable clamp so the wires can pass through the heat platen cover freely.
3. There are three female plug connections labeled 1, 2 and 3 on the heating element. There are 2 heater wires, but for 110V there is a Jumper wire that can join two plugs into one wire.
4. For 110/115/120 Volts AC – Plug one heater wire into 1 (white wire on DK3) and plug the other heater wire into the Jumper wire. The two male leads of the Jumper wire plug into 2 and 3, merging them (Black & Red wires on DK3).
5. For 220/230/240 Volts AC – Remove the jumper wire and directly plug one heater wire to 2 and the other heater wire to 3. (on the DK3 it is the Black & Red wire – white is not used.)
6. These configurations are also labeled on the heater element as well.