

Service Support Spirit

How to connect the voltage divider to the plasma 50:1 or 100:1 arc voltage signal

➔ Problem: The plasma arc voltage signal is 50:1 or 100:1, and the voltage divider needs to be modified to adapt to the arc voltage signal;

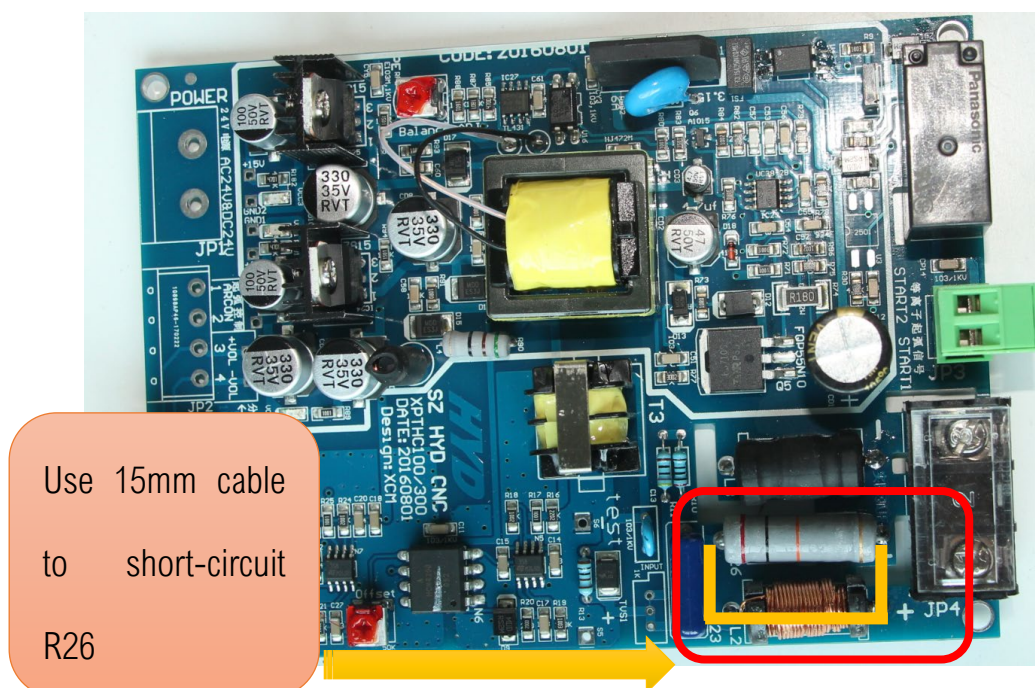
Note: The best choice for the voltage divider signal is to connect the original arc voltage signal of the plasma; the original arc voltage signal is very stable;

Different partial pressure models, please contact us to confirm

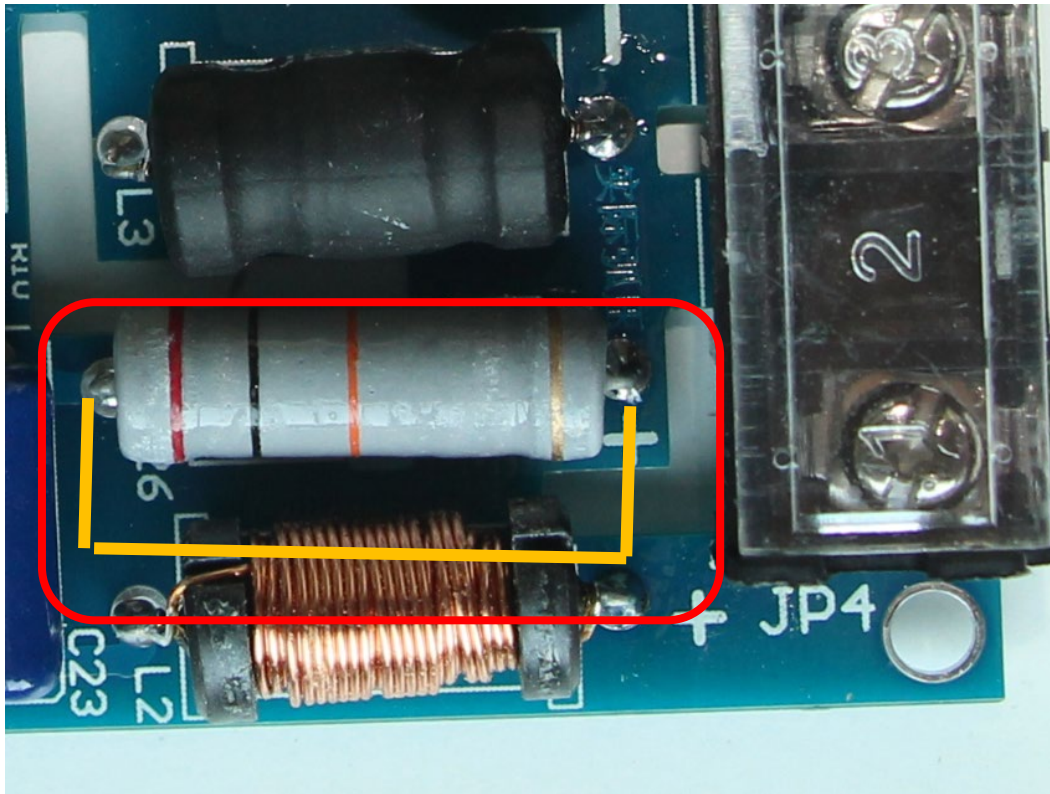
- Solution overview:
1. Use 15mm cable to short-circuit R26, Then test;
 2. Remove R13 and R11, Then test;
 3. Remove R16, Then test;

Problem analysis:

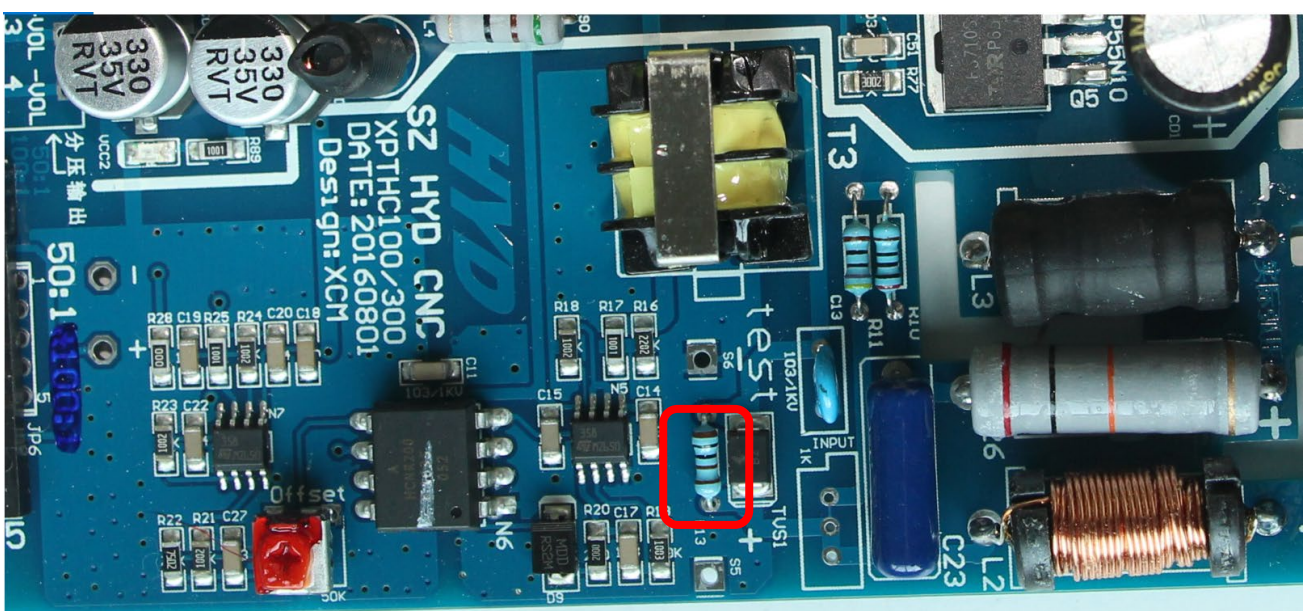
- ✦ Step 1- Use 15mm cable to short-circuit R26, Then complete the plasma connection, Whether the cutting test machine has an automatic signal, Tilt the steel plate to a certain angle when cutting; If it is not automatic, proceed to the second step;



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- ✦ Step 2- Remove R13 and R11, Then complete the plasma connection, Whether the cutting test machine has an automatic signal, Tilt the steel plate to a certain angle when cutting; If it is not automatic, proceed to the third step;



- * Step3- Remove R16, Then complete the plasma connection, Whether the cutting test machine has an automatic signal, Tilt the steel plate to a certain angle when cutting;

NOTE: Follow the steps in turn