How to solve machine does not arcing—Scout2

➔ Problem : The machine does not arcing,

Solution overview: 1. Power does not ARC start.

2. The machine does not signal arcing;
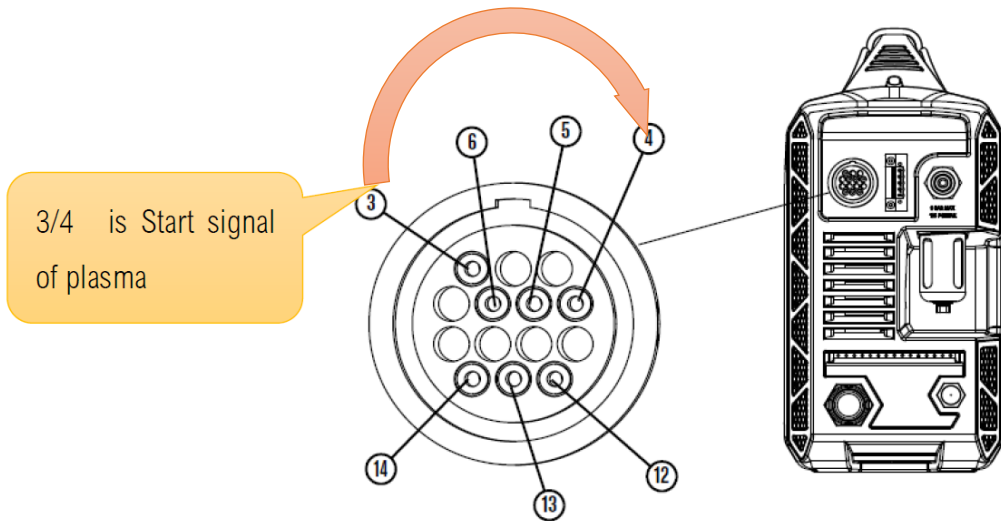
Problem analysis:

❋ Test the plasma power source

Solution：The plasma and the machine are connected by four wires, They are: ARC Start, ARC Start, ARC+ ARC-; as shown in the figure.

Short-circuit A and B of plasma power side, if arc start, the plasma power source is ok, otherwise plasma power source problem;

NOTE: You can directly short-circuit the arcing signal on the plasma power supply.
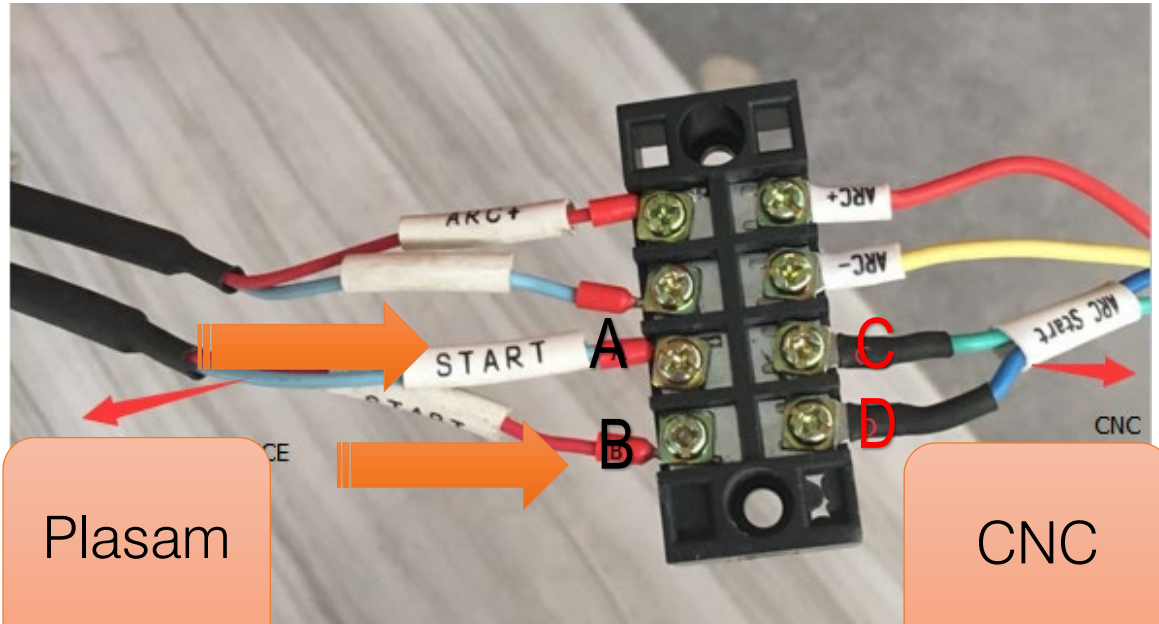
Take powermax45XP as an example:

3/4 is Start signal of plasma

Problem analysis:

❈ Check THC and CNC; Power the machine, Press【Piercing】Button on the CNC

panel or【ARCING TEST】Button on the THC panel

Check THC of ARCON light is on or not and output ARCING Signal.

ARCING TEST

Solution： Keep pressing 【ARCING TEST】 Button on the THC panel, If【ARCON】 light is on , At the same time, there is has an output arcing signal on the THC board.

--Check ARCING Signal ,Keep pressing 【ARCING TEST】 Button, **At the same time,** Use a multimeter to check.

If there is a ON between ARCSTART_1 and ARCSTART_2. Prove that the THC is working;

If there is a OFF between ARCSTART_1 and ARCSTART_2. Prove that the THC is Bad ,Please change new THC;

Test CNC ARCING signal:

Keep pressing 【Piercing】Button on the CNC panel, If【ARCON】light is on , At the same time, there is has an output arcing signal on the THC board.

--Check ARCING Signal ,Keep pressing 【Piercing】Button, At the same time, Use a multimeter to check.

If there is a ON between ARCSTART_1 and ARCSTART_2. Prove that the CNC is working;

If there is a OFF between ARCSTART_1 and ARCSTART_2. Prove that the CNC is Bad ,Please contact ARCBRO;

ARCING Signal

Multimeter