

Common errors in welding machines, repair ways and how to use welding machines safely

Welders are devices that are widely used in many areas of the industry, in the process of using the device often occur many errors, so the following article we will send you how to identify errors Common in welding machines, different ways and safe use of this device.

Electronic welding machine is a device that is widely used in the field of construction of steel structures such as prefabricated steel buildings, factories . as well as industrial manufacturing. However, during long-term use, you still often encounter a situation of machine downtime or some other basic errors that make the work delayed without understanding the reason why. Capturing the psychology of users, the Network Administrator synthesizes common errors when using electronic welding machines and the fastest processing method.

Quick review of content

1. Common errors in electronic welding machines
2. Notes on using safe welding machines



Oshima Mos welding machine 200

Common errors in electronic welding machines

Power supply of electronic welding machine flickers : This case may occur because of the heat sink of the machine, if the fan of the electronic welding machine does not rotate, it is very likely that the machine has been powered down, first you Check the electrical connections to see if they are open, then check the power of the machine and the circuit breaker delay of the source.



Btec MMA 200I inverter welding machine (small body)

The machine automatically shuts down or does not weld : This error occurs due to many different reasons, probably because the power supply for the machine is flickering, the machine works for a long time continuously causing the machine to heat up and overload, also It may be due to the source of the machine being burnt or the fuse breaker, due to insufficient capacity of the machine to supply welding with too large welds.



Hong Ky SR-200R electronic welding machine

Weak welding machine:

Cause How to handle Uncertain welding adjustment Turn the power steering wheel, clockwise. Too small input wires Replace other wires bigger according to the instructions (1mm² copper wires with a load range of 5A) Bad connection Tighten the bolts from the power source to the machine tightly. Power voltage is below 20% Turn the steering wheel to the maximum current to compensate for the low power. If it is still not enough, you should buy a machine with extra piles for low power case. Pull the welding machine too far from the circuit breaker causing the voltage drop on the line. When pulling the welding machine away from the circuit breaker above 15m, use a wire greater than the specified level as much as possible to reduce the case of pressure drop on the wire. The voltage of the power source is sufficient but cannot be welded: The capacity of the generator is not enough to supply the welding machine. The power source must be changed

Electricity is too strong:

Cause How to handle Adjust the power output incorrectly Turn the steering wheel in the opposite direction of the clock. Input voltage is greater than specified. Adjust the source voltage or select another suitable source The welding machine has a large capacity, the smallest output current is still larger than the current needed to be welded (thin iron soldering case). Choose a lower capacity welding machine.

Welding machine (loud buzzing): In this case, it may be because the shell bolts in the machine are loose, you need to tighten all the bolts in the case or during the process of moving, the welding machine is collapsed you need to bring the welding to the warranty station for repair.



Btec TIG / MMA 200 inverter welding machine

Touching and getting rid of electric shock: In this case, trying to touch the shell with an electric tester when the case is not properly grounded is incorrect, since the welding machine field is very large. You refer to the following reasons:

Cause How to handle Machine is moist, metal dust clings to the machine. Dry the machine, blow metal dust with an air compressor. Or take it to the warranty site to re-measure the insulation and have a solution. Wiring on and improperly touching the shell. Check the joints with your eyes and tighten the bolts without touching the cover. The machine is stuck inside the intestine. You need to bring the device to a service station for repair.

Burning black hot electrical connections: Because you do not tighten the bolt contacts, in this case use sandpaper to rub the black spot and tighten it. Or if the connection points are badly damaged, you need to contact the warranty station to replace the contacts.



Inverter Btec MMA-250 Pro

The machine in use is smoked and has an even burning smell: This error often occurs because when you use it, you accidentally drop small objects and iron filings into the welding machine, causing electric shock, even an explosion. .

Notes on using safe welding machines

1. Absolutely do not directly touch the conductive components of the machine because it is very susceptible to electric shock or burns.
2. Note how to insulate yourself with solder and soil with enough insulators.
3. Before removing or installing the components of the machine, it is necessary to disconnect the power.
4. Regularly check the safety of the power cable, if the cable is worn, small in size or scratched, it must be replaced.
5. Turn off all devices when not in use.
6. Always wear safety safety clothing to prevent risks.
7. Be careful when having to weld in wet environments or manipulate in difficult kneeling positions, lying .
8. When purchasing welding machines, attention should be paid to the anti-shock capability of the machine.

Hopefully, with the above note, you can use safe welding machine, if you need advice and order products, please quickly access META.vn for advice and use genuine product.

More reference :

1. What is welding machine? Classification of welding machines
2. Top 5 cheap welding rod machines
3. Top 5 cheap mini family electronic welding machines in good quality

You finished reading the article "**Common errors in welding machines, repair ways and how to use welding machines safely**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.
