

induction copper brazing, soldering electrical short-circuit ring

United Induction Heating Machine Limited

We are experienced in Induction Heating, induction heating machine, Induction Heating equipment. They are widely used in induction heating service, induction heat treatment, induction brazing, induction hardening, induction welding, induction forging, induction quenching, induction soldering induction melting and induction surface treatment applications
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Induction heating is widely used in motor short-circuit ring welding, has solved the problem of gas welding high heat loss.

Gas welding technically has drawbacks, the first is the problem of storing the gas, has a very serious security risks, especially in summer, where the gas welding plant will use natural gas temperature is high, resulting in a lot of heat dissipation, thermal efficiency is very low, workers master the high temperature operating environment will make people unbearably hot, especially in the main body of silicon steel motor short-circuit loop is easy to reduce the gas permeability of heated red-hot, affect motor performance.

Induction heating technology, fully air-conditioned environment can make the operation carried out under much higher efficiency than gas, high frequency electromagnetic induction heating principle is directly on the metal table

Rely on their own face into the vortex resistance heat, so the utilization of energy is very high, the electrical short-circuit ring once revolutionary advances in welding technology.

In induction brazing process, the solder is also very critical, electrical short-circuit ring generally require welding parts are copper, many manufacturers use in the course of brass rod, brass welding with high melting temperature 1083 degrees Celsius, brass brazing poor mobility, many electrical shorting rings in the turning process will find many pillars hole solder has not been a lot of penetration, a lot is hollow, resulting in multiple rework, production costs increased.

We actual detection process, most of the oxygen soldered brass motor life are relatively short, there is noise over time, this is because, in oxy-acetylene welding flame temperature, the guide

To the welding process, many silicon steel is heated to lose magnetism, power and reduce the effect produced by the magnetic flux caused by induction heating at the exact area to be heated is heated, so greatly protect permeability silicon steel, and we recommended phosphor brazing material found in the welding process a low melting point solder phosphor 750 degrees, good conductivity, the short-circuit ring turning out of the product found, phosphor basically each solder does not exist any

very Status where there is a gap, so the motor in the production of a product quality further improved! as technology continues to evolve we believe that in the near future there will be more advanced technology appears.



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