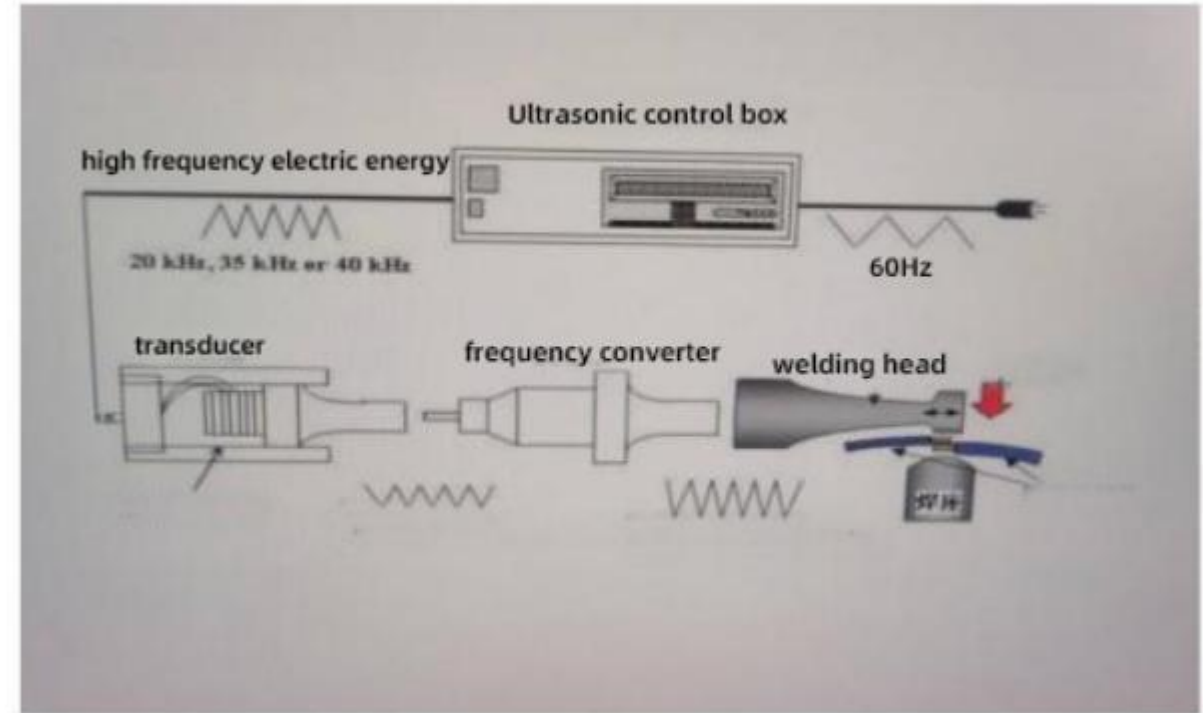


EW-6105 Ultrasonic metal welding machine 10-120mm²



Ultrasonic welding metal technology is a kind of new and high technology, its principle is to 220 v / 380 v low voltage generator through electric box into a high frequency high voltage signal, and is converted to high-frequency mechanical vibration through the transducer, in the amount of vibration through the welding head can make friction between metal weldment, deformation energy, and limited to heat up. A solid state welding achieved by means of surfaces that do not melt. In the welding process of ultrasonic metal welding machine, no current passes through the welded part, and no welding arc of electric welding mode is generated. Because ultrasonic welding does not have problems such as heat conduction and resistivity, Therefore, the ultrasonic metal welding machine can carry out single point welding, multi-point welding and short strip welding on aluminum, nickel, copper, silver and other fine and thin materials. Widely used in the new energy automobile high voltage cable connection, low voltage wiring harness and receive, electrical wire, welding of lithium-ion battery pole piece, etc.



1. This machine is a special equipment for the connection of cable and terminal, is the use of acoustics, mechanics, molecular science and other integrated research and development of high-tech equipment.
2. The machine can use two sets of generator, transducer control of double push structure mode, or a single group of transducer structure, strong output power, ultrasonic selection of original imported acoustic components, reliable and stable performance.
3. Electrical and pneumatic components are selected from internationally renowned brands, such as SMC, FESTO, ADEke and so on.
4. It can meet the different thickness of terminals and copper wire, aluminum wire welding, welding effect is stable, no gap hole, reduce the probability of heating, improve the safety of products.
5. The man-machine interface is equipped with industrial computer, which can meet the docking needs of the MES production system of the customer's factory, the operation is simple and intelligent, the formula parameters can be stored, and the welding formula can be switched arbitrarily to complete the production of different products.

Model	EW-6105
Function	Wire harness and terminal welding (copper wire or aluminum wire)
Welding range	10-120mm ² , terminal thickness: 1-5mm
Maximum power	10KW (2x5KW)
Frequency	20KHZ
Power supply voltage	AC 220V/ 60HZ
Working gas source	Clean and dry compressed air
Working pressure	0.1-0.75 MPa
Weight of the whole machine	About 800KG
Dimensions	120x850x1950(mm)

1、 Generator

Ultrasonic generator for
Germany SONIKKS
original import
generator, stable and
reliable performance



2、 Transducer, modulator

Transducer and amplitude-modulator are made of original German sonikks brand with stable and reliable output.



